

CAP API Documentation

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Important URLs

Description	Production URL	QA URL
OAuth Server	https://authz.stanford.edu/oauth/token	
Profiles API	api.stanford.edu/profiles/v1	
Orgs API	api.stanford.edu/cap/v1/orgs	
Search API	api.stanford.edu/cap/v1/search	
Developer's Console (Swagger console)	https://cap.stanford.edu/cap-api/console	http://cap-uat.stanford.edu/cap-api/console
Stanford Profiles (CAP) Public Website	https://profiles.stanford.edu	https://profiles-uat.stanford.edu/
Stanford Profiles (CAP) Stanford-only Website	https://profiles.stanford.edu/intranet	https://profiles-uat.stanford.edu/intranet
Stanford Web Services Github Account	https://github.com/SU-SWS	
Stanford Web Services Github for CAPx module (info and download)	https://github.com/SU-SWS/stanford_capx	

REST API Requests

Common Request Parameters

The following request parameters can be used for all endpoints that return collections of objects.

Parameter	Type	Description	Notes
p	Integer	Page number	optional, default=1
ps	Integer	Page size	optional, default=10
order	String	Sort order	values=[name, id, lastModified]
populations	List<String>	Comma delimited list of profile populations to query	values=[stanford, shc, menlo, som, ...]
community	String	Include profiles with given community and above	public, stanford, hidden

Request Community

The community request parameter can be used to determine the profiles to include in the results on a per-request basis. The value of the request parameter will override any default community associated with the client ID as long as the requested value is within the allowable community settings for the client. The default and allowable visibilities for a client are set in the runtime properties for the CAP-API.

Steps to make changes:

CAP-API runtime properties are managed by the astool and maintained in the ascap SVN repository. (see the ASCAP/ASTOOL wiki page when that gets written)

Make changes on irt-dev-app-01:

capprd is at `/fs/home/tomcat/ascap/app/tomcat-apps/capprd/runtime-properties/cap-api/`

capdev is at `/fs/home/tomcat/ascap/app/tomcat-apps/capdev/runtime-properties/cap-api/`

capuat is at `/fs/home/tomcat/ascap/app/tomcat-apps/capuat/runtime-properties/cap-api/`

in the file `cap-api.runtime.properties`

Then check them into SVN

capprd is `https://irt-svn.stanford.edu/repos/irt/syseng/ascap/trunk/app/tomcat-apps/capprd`

capdev is `https://irt-svn.stanford.edu/repos/irt/syseng/ascap/trunk/app/tomcat-apps/capdev`

capuat is `https://irt-svn.stanford.edu/repos/irt/syseng/ascap/trunk/app/tomcat-apps/capuat`

Then pushed out using astool. For dev you'll need to restart via Hudson, for uat and prd you can restart using astool.

Visibility Runtime Properties

```
# For the IRT-SCOUT client it will default the the full hidden community
of Stanford
edu.stanford.irt.cap.api.community.clients.irt-scout.default=HIDDEN
edu.stanford.irt.cap.api.community.clients.irt-scout.allowable=HIDDEN,
STANFORD,PUBLIC
```

```
# For the FOO client it will default to the stanford community and only
allow the stanford community
edu.stanford.irt.cap.api.community.clients.foo.default=STANFORD
edu.stanford.irt.cap.api.community.clients.foo.allowable=STANFORD
```

REST API Documentation

GET /profiles/v1

Gets a list of profiles

Request Parameters

Parameter	Type	Description	Notes
ids	List<Integer>	Comma delimited list of profile IDs	
uids	List<String>	Comma delimited list of UIDs (SUNet IDs)	
orgCodes	List<String>	Comma delimited list of university orgcodes	For example orgcodes=VAAA,VAAB
orgAlias	String	Organization alias in CAP	For example orgAlias=school-of-medicine
privGroups	List<String>	Comma delimited list of workgroups	NOTE: this parameter is scheduled to be renamed to 'workgroups'
exact	Boolean	Exact or partial name match	
includeChildren	Boolean	Include profiles child orgs	valid for orgCodes and orgAlias
whitelist	String	Comma delimited list of attributes to returned in the profile json (instead of full profile json) <ul style="list-style-type: none">• Misspelled attributes will be ignored• param will be ignored if blank or empty spaces• Following attributes will always be returned by default: profileId, uid, universityId, alias, registryId, names	optional
filter	String	Comma delimited list of filters which will return back the profile(s) json but with the arrays within in filtered based on the criteria specified Validations	optional

- When using this filter parameter - each filter is separated by a comma, and each filter parameter should have a fieldName followed by a colon, followed by an operator, followed by a colon again followed by a fieldValue.
 - If the value has a ":" which is a delimiter for a single filter element - then a validation error will be sent back.
 - Format : fieldName:operator: fieldValue
 - Format : fieldName:operator: fieldValue, fieldName:operator: fieldValue, fieldName:operator: fieldValue
 - Example: <http://cap.stanford.edu/cap-api/api/profiles/v1/russ-altman?filter=publicationTags.weight:in:13;18>
 - Example: <http://cap.stanford.edu/cap-api/api/profiles/v1/russ-altman?filter=publications.featured:equals:true&filter=patents.title:equals:Patent%204> (ie: title = "Patent 4")
- For each filter the user has to specify the operator. And this operator has to be one of the operators that are currently supported by CAP API, if it is not supported - then a validation error will be sent back.
- The fieldName will be qualified by a dot, the first part of the qualifier always has to be an array, if not - then a validation error will be sent back.
- The fieldName with all the qualifiers - will be validated against the schema and if that particular attribute is not present with the specified path under the specified array - then a validation error will be sent back.
- As of right now CAP API will not support filtering on all arrays, because of index constraints etc, so if the end-user specifies a fieldName which is not in the CAP API [AllowedProfileAttributesForFiltering](#) enum - then a validation error will be sent back informing the end user on which collections can be used for filtering.
- The fieldName specified in the filter also has to be present in the whitelist (if there is a whitelist) and if the user specified a fieldName in the filter, which is not in the whitelist (if there is a whitelist) - then a validation error will be sent back.
- Based on the query performance analysis in MongoDB, CAP API will have a restriction as to the number of filters that can be specified. As of right now CAP API can support only a max of 4 filters. (Based off of the initial testing if the query has more than 4 filters, the MongoDB query is not returning back). So if the number of filters is more than 4 - then an error will be sent back.

		<ul style="list-style-type: none"> • Validations are performed on all the filters specified by the user, and CAP API will return back 1 error message - with all the validation errors found on each filter specified. • If the filter specified has the "in" operator then the value should be separated by ";" and there should be at least 2 values separated by ";" and if that is not the case - then a validation error will be sent back. • As or right now CAP API's findAll() end point will not support filtering. If the user specifies filter for the findAll end point - then a clear message informing this constraint will be sent back. 	
whereClause	String	<p>Comma delimited list of whereClauses will return back the profile(s) json that match the whereClause criteria specified</p> <p>Validations</p> <ul style="list-style-type: none"> • When using this whereClause parameter - each whereClause is separated by a comma, and each whereClause parameter should have a fieldName followed by a colon, followed by an operator, followed by a colon again followed by a fieldValue. <ul style="list-style-type: none"> • If the value has a ":" which is a delimiter for a single whereClause element - then a validation error will be sent back. • Format : fieldName:operator: fieldValue • Format : fieldName:operator: fieldValue, fieldName:operator: fieldValue, fieldName:operator: fieldValue • Example: http://cap.stanford.edu/cap-api/api/profiles/v1/russ-altman?whereClause=publicationTags.weight:in:13;18 • Example: equals:true&whereClause=patents.title>equals:Patent%204">http://cap.stanford.edu/cap-api/api/profiles/v1/russ-altman?whereClause=publications.featured>equals:true&whereClause=patents.title>equals:Patent%204 (ie: title = "Patent 4") • For each whereClause the user has to specify the operator. And this operator has to be one of the operators that are currently supported by CAP API, if it is not supported - then a validation error will be sent back. • The fieldName need not be qualified by a dot, as the fieldName could be attribute name or an attribute within an array. • The fieldName will be validated against the schema and if that particular attribute is not present - then a validation error will be sent back. 	optional

	<ul style="list-style-type: none"> As of right now CAP API will support whereClause to be specified on any attribute of the profile JSON, because of index constraints etc,so if the end-user specifies a fieldName which is not in the CAP API AllowedProfileAttributesForWhereClause enum - then a validation error will be sent back informing the end user on which attributes can be specified as part of whereClause. The fieldName specified in the whereClause need not be present in the whitelist (if there is a whitelist). CAP API does not a restriction as to the number of whereClauses that can be specified. Validations are performed on all the whereClauses specified by the user, and CAP API will return back 1 error message - with all the validation errors found on each whereClause specified. If the whereClause specified has the "in" operator then the value should be separated by "," and there should be at least 2 values separated by "; " and if that is not the case - then a validation error will be sent back. As or right now CAP API's findAll() end point will support whereClauses.
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* Includes [Common Request Parameters](#)

NOTE: The parameters "ids", "uids", "univeristyIds", "orgCodes", "orgAlias", "workgroups", and "name" are currently mutually exclusive.

Response

PagedResult<Profile>

GET /profiles/v1/{identifier}

Get a profile by its profile ID or alias.

Request Parameters

Parameter	Type	Description	Notes
identifier	String/Integer	A profile ID or alias	required
whitelist	String	Comma delimited list of attributes to return in the profile json (instead of full profile json) <ul style="list-style-type: none"> Misspelled attributes will be ignored param will be ignored if blank or empty spaces Following attributes will always be returned by default: profileId, uid, universityId, alias, registryId, names 	optional
filter	String	Comma delimited list of filters which will return back the profile(s) json but with the arrays within in filtered based on the criteria specified <p>Validations</p>	optional

- When using this filter parameter - each filter is separated by a comma, and each filter parameter should have a fieldName followed by a colon, followed by an operator, followed by a colon again followed by a fieldValue.
 - If the value has a ":" which is a delimiter for a single filter element - then a validation error will be sent back.
 - Format : fieldName:operator: fieldValue
 - Format : fieldName:operator: fieldValue, fieldName:operator: fieldValue, fieldName:operator: fieldValue
 - Example: `http://cap.stanford.edu/cap-api/api/profiles/v1/russ-altman?filter=publicationTags.weight:in:13;18`
 - Example: `http://cap.stanford.edu/cap-api/api/profiles/v1/russ-altman?filter=publications.featured:equals:true&filter=patents.title:equals:Patent%204 (ie: title = "Patent 4")`
- For each filter the user has to specify the operator. And this operator has to be one of the operators that are currently supported by CAP API, if it is not supported - then a validation error will be sent back.
- The fieldName will be qualified by a dot, the first part of the qualifier always has to be an array, if not - then a validation error will be sent back.
- The fieldName with all the qualifiers - will be validated against the schema and if that particular attribute is not present with the specified path under the specified array - then a validation error will be sent back.
- As of right now CAP API will not support filtering on all arrays, because of index constraints etc, so if the end-user specifies a fieldName which is not in the CAP API `AllowedProfileAttributesForFiltering` enum - then a validation error will be sent back informing the end user on which collections can be used for filtering.
- The fieldName specified in the filter also has to be present in the whitelist (if there is a whitelist) and if the user specified a fieldName in the filter, which is not in the whitelist (if there is a whitelist) - then a validation error will be sent back.
- Based on the query performance analysis in MongoDB, CAP API will have a restriction as to the number of filters that can be specified. As of right now CAP API can support only a max of 4 filters. (Based off of the initial testing if the query has more than 4 filters, the MongoDB query is not returning back). So if the number of filters is more than 4 - then an error will be sent back.

		<ul style="list-style-type: none"> • Validations are performed on all the filters specified by the user, and CAP API will return back 1 error message - with all the validation errors found on each filter specified. • If the filter specified has the "in" operator then the value should be separated by ";" and there should be at least 2 values separated by ";" and if that is not the case - then a validation error will be sent back. • As or right now CAP API's findAll() end point will not support filtering. If the user specifies filter for the findAll end point - then a clear message informing this constraint will be sent back. 	
whereClause	String	<p>Comma delimited list of whereClauses will return back the profile(s) json that match the whereClause criteria specified</p> <p>Validations</p> <ul style="list-style-type: none"> • When using this whereClause parameter - each whereClause is separated by a comma, and each whereClause parameter should have a fieldName followed by a colon, followed by an operator, followed by a colon again followed by a fieldValue. <ul style="list-style-type: none"> • If the value has a ":" which is a delimiter for a single whereClause element - then a validation error will be sent back. • Format : fieldName:operator: fieldValue • Format : fieldName:operator: fieldValue, fieldName:operator: fieldValue, fieldName:operator: fieldValue • Example: http://cap.stanford.edu/cap-api/api/profiles/v1/russ-altman?whereClause=publicationTags.weight:in:13;18 • Example: equals:true&whereClause=patents.title>equals:Patent%204">http://cap.stanford.edu/cap-api/api/profiles/v1/russ-altman?whereClause=publications.featured>equals:true&whereClause=patents.title>equals:Patent%204 (ie: title = "Patent 4") • For each whereClause the user has to specify the operator. And this operator has to be one of the operators that are currently supported by CAP API, if it is not supported - then a validation error will be sent back. • The fieldName need not be qualified by a dot, as the fieldName could be attribute name or an attribute within an array. • The fieldName will be validated against the schema and if that particular attribute is not present - then a validation error will be sent back. 	optional

- As of right now CAP API will support whereClause to be specified on any attribute of the profile JSON, because of index constraints etc,so if the end-user specifies a fieldName which is not in the CAP API AllowedProfileAttributesForWhereClause enum - then a validation error will be sent back informing the end user on which attributes can be specified as part of whereClause.
- The fieldName specified in the whereClause need not be present in the whitelist (if there is a whitelist).
- CAP API does not a restriction as to the number of whereClauses that can be specified.
- Validations are performed on all the whereClauses specified by the user, and CAP API will return back 1 error message - with all the validation errors found on each whereClause specified.
- If the whereClause specified has the "in" operator then the value should be separated by ";" and there should be at least 2 values separated by ";" and if that is not the case - then a validation error will be sent back.
- As or right now CAP API's findAll() end point will support whereClauses.

Response

Profile

GET /cap/v1/orgs/{alias}

Get the organization for the given alias

Request Parameters

Parameter	Type	Description	Notes
alias	String	The organization alias	required

Response

OrgNode

Status Codes

404 If there is no organization identified by the given alias

GET /cap/v1/orgs/{alias}/profiles

Browse profiles by organization returning those profiles which match the query parameters.

Request Parameters

Parameter	Type	Description	Notes
alias	String	The organization alias	required
name	String	Return only profiles whose last name begins with first letter of the name parameter	optional
affiliations	List<String>	Return only profiles matching one or more of the affiliations	values=[capFaculty, capStaff, capPostdoc, capMdStudent, capPhdStudent, capMsStudent, physician]
organization	String	Return only profiles in the specified organization or any of its children	optional
summarize	Boolean	If true, return a summary of the results in the metadata	default is false
whitelist	String	Comma delimited list of attributes to return in the profile json (instead of full profile json) <ul style="list-style-type: none"> Misspelled attributes will be ignored param will be ignored if blank or empty spaces Following attributes will always be returned by default: profileId, uid, universityId, alias, registryId, names 	optional
filter	String	Comma delimited list of filters to return back the profile json but with the collections within in filtered based on the criteria specified <p>Validations</p> <ul style="list-style-type: none"> When using this parameter - each filter is separated by a comma, and each filter parameter should have a fieldName followed by a colon, followed by an operator, followed by a colon again followed by a fieldValue. If the fieldValue has a ":" which is a delimiter for a single filter element - then a validation error will be sent back. <ul style="list-style-type: none"> fieldName:operator:fieldValue, <ul style="list-style-type: none"> fieldName:operator: fieldValue, fieldName: operator:fieldValue, fieldName:operator:fieldValue Example: http://cap.stanford.edu/cap-api/api/profiles/v1/russ-altman?filter=publicationTags.weight:in:13;18 Example: http://cap.stanford.edu/cap-api/api/profiles/v1/russ-altman?filter=publications.featured:equals:true&filter=patents.title:equals:Patent%204 (ie: title = "Patent 4") Each filter the user has to specify the operator. And this operator has to be one of the operators that are currently beign supported by CAP API, if it is not supported - then a validation error will be sent back. The fieldName will be qualified by a dot, the first part of the qualifier always has to be a collection, if not - then a validation error will be sent back. 	optional

		<ul style="list-style-type: none"> • The fieldName with all the qualifiers - will be validated against the schema and if that particular attribute is not present with the specified path under the specified collection - then a validation error will be sent back. • As of right now CAP API will not support filtering on all collections, because of index constraints etc, so if the end-user specifies a fieldName which is not in the CAP API AllowedProfileAttributesForFiltering Enum - then a validation error will be sent back informing the end-user on which collections can be used for filtering. • The fieldName specified in the filter also has to be present in the whitelist (if there is a whitelist) and if the user specified a fieldName in the filter, which is not in the whitelist (if there is a whitelist) - then a validation error will be sent back. • Based on the query performance analysis in MongoDB CAP API will have a restriction as to the number of filters that can be specified. As of right now CAP API can support only a max of 4 filters. (Based off of the initial testing if the query has more than 4 filters, the mongoDB query is not returning back). So if the number of filters is more than 4 - then a error will be sent back. • Validations are performed on all the filters specified by the user, and CAP API will return back 1 error message - with all the validation errors found on each filter specified. • If the filter specified has the "in" operator then the value should be separated by ";" and there should be at least 2 values separated by ";" and if that is not the case - then a validation error will be sent back. • As of right now CAP API's findAll() end point will not support filtering. If the user specifies filter for the findAll end point - then a clear message informing this constraint will be sent back. 	
whereClause	String	<p>Comma delimited list of whereClauses will return back the profile(s) json that match the whereClause criteria specified</p> <p>Validations</p>	optional

- When using this whereClause parameter - each whereClause is separated by a comma, and each whereClause parameter should have a fieldName followed by a colon, followed by an operator, followed by a colon again followed by a fieldValue.
- If the value has a ":" which is a delimiter for a single whereClause element - then a validation error will be sent back.
- Format : fieldName:operator: fieldValue
- Format : fieldName:operator: fieldValue, fieldName:operator: fieldValue, fieldName:operator: fieldValue
- Example: <http://cap.stanford.edu/cap-api/api/profiles/v1/russ-altman?whereClause=publicationTags.weight:in:13;18>
- Example: [http://cap.stanford.edu/cap-api/api/profiles/v1/russ-altman?whereClause=publications.featured:equals:true&whereClause=patents.title:equals:Patent%204\(title = "Patent 4"\)](http://cap.stanford.edu/cap-api/api/profiles/v1/russ-altman?whereClause=publications.featured:equals:true&whereClause=patents.title:equals:Patent%204(title =)
- For each whereClause the user has to specify the operator. And this operator has to be one of the operators that are currently supported by CAP API, if it is not supported - then a validation error will be sent back.
- The fieldName need not be qualified by a dot, as the fieldName could be attribute name or an attribute within an array.
- The fieldName will be validated against the schema and if that particular attribute is not present - then a validation error will be sent back.
- As of right now CAP API will support whereClause to be specified on any attribute of the profile JSON, because of index constraints etc,so if the end-user specifies a fieldName which is not in the CAP API AllowedProfileAttributesForWhereClause enum - then a validation error will be sent back informing the end user on which attributes can be specified as part of whereClause.
- The fieldName specified in the whereClause need not be present in the whitelist (if there is a whitelist).
- CAP API does not a restriction as to the number of whereClauses that can be specified.
- Validations are performed on all the whereClauses specified by the user, and CAP API will return back 1 error message - with all the validation errors found on each whereClause specified.
- If the whereClause specified has the "in" operator then the value should be separated by "," and there should be at least 2 values separated by "," and if that is not the case - then a validation error will be sent back.

- As of right now CAP API's findAll() end point will support whereClauses.

* Includes [Common Request Parameters](#)

Response

PagedResult<Profile>

GET /cap/v1/search/autocomplete

Search for names or organizations matching the query. A profile matches if it contains a preferred name, legal name, or display name matches the tokens in the query string. Organizations match if a portion of their display name matches the tokens in the query string. Profile matches always precede organization matches in the result.

Profile names, organization names, and the query string are split into tokens at word boundaries. The name tokens of a profile or organization must exactly match or begin with each of the query string tokens in order to be considered a match.

For example, the query "F Flintstone" will match the profile "Frederick W. Flintstone" as well as the "Flintstone Foundation"

Request Parameters

Parameter	Type	Description	Notes
q	String	Query	

* Includes [Common Request Parameters](#)

Response

PagedResult<SearchAutoCompleteResult>

GET /cap/v1/search/keyword

Searches for the query string within the content of key profile sections.

This is a relatively expensive operation. Expect response times on the order of 1-3 seconds.

Request Parameters

Parameter	Type	Description	Notes
q	String	Query	
whitelist	String	Comma delimited list of attributes to return in the profile json (instead of full profile json) <ul style="list-style-type: none"> • Misspelled attributes will be ignored • param will be ignored if blank or empty spaces • Following attributes will always be returned by default: profileId, uid, universityId, alias, registryId, names 	optional
filter	String		optional

Comma delimited list of filters which will return back the profile(s) json but with the arrays within in filtered based on the criteria specified

Validations

- When using this filter parameter - each filter is separated by a comma, and each filter parameter should have a fieldName followed by a colon, followed by an operator, followed by a colon again followed by a fieldValue.
 - If the value has a ":" which is a delimiter for a single filter element - then a validation error will be sent back.
 - Format : fieldName:operator: fieldValue
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 - Example: <http://cap.stanford.edu/cap-api/api/profiles/v1/russ-altman?filter=publicationTags.weight:in:13;18>
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- For each filter the user has to specify the operator. And this operator has to be one of the operators that are currently supported by CAP API, if it is not supported - then a validation error will be sent back.
- The fieldName will be qualified by a dot, the first part of the qualifier always has to be an array, if not - then a validation error will be sent back.
- The fieldName with all the qualifiers - will be validated against the schema and if that particular attribute is not present with the specified path under the specified array - then a validation error will be sent back.
- As of right now CAP API will not support filtering on all arrays, because of index constraints etc, so if the end-user specifies a fieldName which is not in the CAP API [AllowedProfileAttributesForFiltering](#) enum - then a validation error will be sent back informing the end user on which collections can be used for filtering.
- The fieldName specified in the filter also has to be present in the whitelist (if there is a whitelist) and if the user specified a fieldName in the filter, which is not in the whitelist (if there is a whitelist) - then a validation error will be sent back.

		<ul style="list-style-type: none"> Based on the query performance analysis in MongoDB, CAP API will have a restriction as to the number of filters that can be specified. As of right now CAP API can support only a max of 4 filters. (Based off of the initial testing if the query has more than 4 filters, the MongoDB query is not returning back). So if the number of filters is more than 4 - then an error will be sent back. Validations are performed on all the filters specified by the user, and CAP API will return back 1 error message - with all the validation errors found on each filter specified. If the filter specified has the "in" operator then the value should be separated by ";" and there should be at least 2 values separated by ";" and if that is not the case - then a validation error will be sent back. As of right now CAP API's findAll() end point will not support filtering. If the user specifies filter for the findAll end point - then a clear message informing this constraint will be sent back. 	
whereClause	String	<p>Comma delimited list of whereClauses will return back the profile(s) json that match the whereClause criteria specified</p> <p>Validations</p> <ul style="list-style-type: none"> When using this whereClause parameter - each whereClause is separated by a comma, and each whereClause parameter should have a fieldName followed by a colon, followed by an operator, followed by a colon again followed by a fieldValue. <ul style="list-style-type: none"> If the value has a ":" which is a delimiter for a single whereClause element - then a validation error will be sent back. Format : fieldName:operator: fieldValue Format : fieldName:operator: fieldValue, fieldName:operator: fieldValue, fieldName:operator: fieldValue <ul style="list-style-type: none"> Example: http://cap.stanford.edu/cap-api/api/profiles/v1/russ-altman?whereClause=publicationTags.weight:in:13;18 Example: equals:true&whereClause=patents.title>equals:Patent%204">http://cap.stanford.edu/cap-api/api/profiles/v1/russ-altman?whereClause=publications.featured>equals:true&whereClause=patents.title>equals:Patent%204 (ie: title = "Patent 4") For each whereClause the user has to specify the operator. And this operator has to be one of the operators that are currently supported by CAP API, if it is not supported - then a validation error will be sent back. The fieldName need not be qualified by a dot, as the fieldName could be attribute name or an attribute within an array. 	optional

- The fieldName will be validated against the schema and if that particular attribute is not present - then a validation error will be sent back.
- As of right now CAP API will support whereClause to be specified on any attribute of the profile JSON, because of index constraints etc, so if the end-user specifies a fieldName which is not in the CAP API AllowedProfileAttributesForWhereClause enum - then a validation error will be sent back informing the end user on which attributes can be specified as part of whereClause.
- The fieldName specified in the whereClause need not be present in the whitelist (if there is a whitelist).
- CAP API does not have a restriction as to the number of whereClauses that can be specified.
- Validations are performed on all the whereClauses specified by the user, and CAP API will return back 1 error message - with all the validation errors found on each whereClause specified.
- If the whereClause specified has the "in" operator then the value should be separated by ";" and there should be at least 2 values separated by ";" and if that is not the case - then a validation error will be sent back.
- As of right now CAP API's findAll() end point will support whereClauses.

* Includes [Common Request Parameters](#)

Response

PagedResult<Profile>

Profile Layouts

The following sections describe the general layout and ordering of the sections and key fields used on the Stanford Profiles site.

Faculty Layout

```
{
  "headings": [
    {
      "name": "Default",
      "sections": [
        {
          "displayFields": [
            "names.preferred.firstName",
            "names.preferred.middleName",
            "names.preferred.lastName",
            "names.legal.firstName",
            "names.legal.middleName",

```

```

        "names.legal.lastName"
    ],
    "id": "metadata",
    "name": "Metadata"
},
{
    "displayFields": [
        "displayName",
        "documents.cv.label",
        "documents.cv.url",
        "documents.resume.label",
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        "documents.nihBiosketch.url",
        "longTitle.label.html",
        "primaryContact.label",
        "shortTitle.label.html",
        "titles.label.html"
    ],
    "id": "vcard",
    "name": "Vcard"
}
]
},
{
    "name": "Bio",
    "sections": [
        {
            "id": "bannerAffiliations",
            "name": "Banner Affiliations"
        },
        {
            "displayFields": [
                "bio.html"
            ],
            "id": "bio",
            "name": "Bio"
        },
        {
            "displayFields": [
                "currentRoleAtStanford"
            ],
            "id": "currentRoleAtStanford",
            "name": "Current Role at Stanford"
        },
        {
            "displayFields": [
                "clinicalFocus"
            ],
            "id": "clinicalFocus",
            "name": "Clinical Focus"
        }
    ]
}

```

```
"displayFields": [
  "clinicalCare.html"
],
"id": "clinicalCare",
"name": "Patient Care"
},
{
  "id": "academicAppointments",
  "name": "Academic Appointments"
},
{
  "displayFields": [
    "administrativeAppointments.label.html"
  ],
  "id": "administrativeAppointments",
  "name": "Administrative Appointments"
},
{
  "displayFields": [
    "honorsAndAwards.label.html"
  ],
  "id": "honorsAwards",
  "name": "Honors and Awards"
},
{
  "displayFields": [
    "professionalOrganizations.label.html"
  ],
  "id": "professionalActivities",
  "name": "Boards, Advisory Committees, Professional Organizations"
},
{
  "displayFields": [
    "membershipOrganizations.label.html"
  ],
  "id": "membershipOrganizations",
  "name": "Membership Organizations"
},
{
  "displayFields": [
    "education.label.html"
  ],
  "id": "professionalEducation",
  "name": "Professional Education"
},
{
  "displayFields": [
    "clerkships.label.html"
  ],
  "id": "clerkships",
  "name": "Clerkships"
},
{
```

```
    "displayFields": [
      "stanfordAdvisors.label"
    ],
    "id": "advisors",
    "name": "Stanford Advisors"
  },
  {
    "displayFields": [
      "communityAndInternationalWork.label.html",
      "communityAndInternationalWork.detail.html"
    ],
    "id": "communityInternationalWork",
    "name": "Community and International Work"
  },
  {
    "displayFields": [
      "serviceWork.label.html",
      "serviceWork.detail.html"
    ],
    "id": "communityService",
    "name": "Service, Volunteer, and Community Work"
  },
  {
    "displayFields": [
      "patents.label.html"
    ],
    "id": "patents",
    "name": "Patents"
  },
  {
    "displayFields": [
      "personalInterests.html"
    ],
    "id": "personalInterests",
    "name": "Personal Interests"
  },
  {
    "displayFields": [
      "internetLinks.label.html"
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    "id": "websiteLinks",
    "name": "Links"
  }
]
},
{
  "name": "Academic and Contact Information",
  "sections": [
    {
      "displayFields": [
        "alternateContact.label"
      ],
      "id": "alternateContact",
```

```
    "name": "Alternate Contact"
  },
  {
    "displayFields": [
      "clinicalContacts.label",
      "clinicalPractices.label"
    ],
    "id": "clinicalOffices",
    "name": "Clinical Offices"
  },
  {
    "displayFields": [
      "profilePhotos.square.type",
      "profilePhotos.square.url"
    ],
    "id": "photo",
    "name": "Photo"
  },
  {
    "id": "biosketch",
    "name": "Biosketch"
  },
  {
    "id": "curriculumVitae",
    "name": "Curriculum Vitae"
  },
  {
    "id": "resume",
    "name": "Resume"
  },
  {
    "displayFields": [
      "supervisors.profileId",
      "supervisors.label.html"
    ],
    "id": "supervisor",
    "name": "Supervisors"
  }
]
},
{
  "name": "Research & Scholarship",
  "sections": [
    {
      "displayFields": [
        "currentResearchInterests.terseText.html",
        "currentResearchInterests.shortText.html",
        "currentResearchInterests.fullText.html"
      ],
      "id": "currentResearchInterests",
      "name": "Current Research and Scholarly Interests"
    },
    {
```

```
    "displayFields": [
      "clinicalInterests.details",
      "clinicalInterests.terms"
    ],
    "id": "clinicalInterests",
    "name": "Current Clinical Interests"
  },
  {
    "displayFields": [
      "clinicalTrialsUrl"
    ],
    "id": "clinicalTrials",
    "name": "Clinical Trials"
  },
  {
    "displayFields": [
      "industryRelationships.label.html",
      "industryRelationships.detail.html"
    ],
    "id": "industryRelationships",
    "name": "Industry Relationships"
  },
  {
    "displayFields": [
      "researchProjects.label.html",
      "researchProjects.detail.html"
    ],
    "id": "researchProjects",
    "name": "Research Projects"
  },
  {
    "displayFields": [
      "projects.label.html",
      "projects.detail.html"
    ],
    "id": "projects",
    "name": "Projects"
  },
  {
    "displayFields": [
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    "name": "Lab Affiliations"
  }
]
},
{
  "name": "Teaching",
  "sections": [
    {
      "displayFields": [
        "coursesTaught.academicYear",
```

```
        "coursesTaught.courses.label.html",
        "coursesTaught.independentStudyCourses.label.html"
    ],
    "id": "courses",
    "name": "Courses"
},
{
    "displayFields": [
        "advisees.fullName",
        "advisees.profileUrl",
        "postdoctoralAdvisees.label.html"
    ],
    "id": "advisees",
    "name": "Postdoctoral Advisees"
},
{
    "displayFields": [
        "graduateAndFellowshipPrograms.label.html"
    ],
    "id": "graduateFellowshipProgramAffiliations",
    "name": "Graduate and Fellowship Program Affiliations"
}
]
},
{
    "name": "Professional",
    "sections": [
        {
            "displayFields": [
                "professionalInterests.html"
            ],
            "id": "professionalInterests",
            "name": "Professional Interests"
        },
        {
            "displayFields": [
                "workExperience.label.html",
                "workExperience.detail.html"
            ],
            "id": "workExperience",
            "name": "Work Experience"
        }
    ]
}
},
{
    "name": "Publications",
    "sections": [
        {
            "displayFields": [
                "publications.capCitation",
                "publications.detail.html"
            ],
            "id": "publications",
```

```

        "name": "Publications"
      },
      {
        "displayFields": [
          "presentations.label.html",
          "presentations.detail.html"
        ],
        "id": "presentations",
        "name": "Presentations"
      }
    ]
  }
],
"id": "faculty",
"lastModified": "2014-05-05T15:48:53.676-07:00",
"type": "faculty"
}

```

Physician Layout

```

{
  "headings": [
    {
      "name": "Default",
      "sections": [
        {
          "displayFields": [
            "names.preferred.firstName",
            "names.preferred.middleName",
            "names.preferred.lastName",
            "names.legal.firstName",
            "names.legal.middleName",
            "names.legal.lastName"
          ],
          "id": "metadata",
          "name": "Metadata"
        },
        {
          "displayFields": [
            "displayName",
            "documents.cv.label",
            "documents.cv.url",
            "documents.resume.label",
            "documents.resume.url",
            "documents.nihBiosketch.label",
            "documents.nihBiosketch.url",
            "longTitle.label.html",
            "primaryContact.label",
            "shortTitle.label.html",

```



```
        "titles.label.html"
    ],
    "id": "vcard",
    "name": "Vcard"
  }
]
},
{
  "name": "Bio",
  "sections": [
    {
      "id": "bannerAffiliations",
      "name": "Banner Affiliations"
    }
  ]
},
{
  "name": "Academic and Contact Information",
  "sections": [
    {
      "displayFields": [
        "alternateContact.label"
      ],
      "id": "alternateContact",
      "name": "Alternate Contact"
    },
    {
      "displayFields": [
        "clinicalContacts.label",
        "clinicalPractices.label"
      ],
      "id": "clinicalOffices",
      "name": "Clinical Offices"
    },
    {
      "displayFields": [
        "profilePhotos.square.type",
        "profilePhotos.square.url"
      ],
      "id": "photo",
      "name": "Photo"
    },
    {
      "id": "biosketch",
      "name": "Biosketch"
    },
    {
      "id": "curriculumVitae",
      "name": "Curriculum Vitae"
    },
    {
      "id": "resume",
      "name": "Resume"
    }
  ]
}
```

```
    },
    {
      "displayFields": [
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        "supervisors.label.html"
      ],
      "id": "supervisor",
      "name": "Supervisors"
    }
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  "sections": [
    {
      "displayFields": [
        "bio.html"
      ],
      "id": "bio",
      "name": "Bio"
    },
    {
      "displayFields": [
        "currentRoleAtStanford"
      ],
      "id": "currentRoleAtStanford",
      "name": "Current Role at Stanford"
    },
    {
      "displayFields": [
        "clinicalFocus"
      ],
      "id": "clinicalFocus",
      "name": "Clinical Focus"
    },
    {
      "displayFields": [
        "clinicalCare.html"
      ],
      "id": "clinicalCare",
      "name": "Patient Care"
    },
    {
      "id": "academicAppointments",
      "name": "Academic Appointments"
    },
    {
      "displayFields": [
        "administrativeAppointments.label.html"
      ],
      "id": "administrativeAppointments",
      "name": "Administrative Appointments"
    },
  ],
}
```

```
{
  "displayFields": [
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  ],
  "id": "honorsAwards",
  "name": "Honors and Awards"
},
{
  "displayFields": [
    "professionalOrganizations.label.html"
  ],
  "id": "professionalActivities",
  "name": "Boards, Advisory Committees, Professional Organizations"
},
{
  "displayFields": [
    "education.label.html"
  ],
  "id": "professionalEducation",
  "name": "Professional Education"
},
{
  "displayFields": [
    "clerkships.label.html"
  ],
  "id": "clerkships",
  "name": "Clerkships"
},
{
  "displayFields": [
    "stanfordAdvisors.label"
  ],
  "id": "advisors",
  "name": "Stanford Advisors"
},
{
  "displayFields": [
    "communityAndInternationalWork.label.html",
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    "serviceWork.detail.html"
  ],
  "id": "communityService",
  "name": "Service, Volunteer, and Community Work"
},
{
  "displayFields": [
```

```
    "patents.label.html"
  ],
  "id": "patents",
  "name": "Patents"
},
{
  "displayFields": [
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  ],
  "id": "websiteLinks",
  "name": "Internet Links"
},
{
  "displayFields": [
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    "industryRelationships.detail.html"
  ],
  "id": "industryRelationships",
  "name": "Industry Relationships"
},
{
  "displayFields": [
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    "researchProjects.detail.html"
  ],
  "id": "researchProjects",
  "name": "Research Projects"
},
{
  "displayFields": [
    "projects.label.html",
    "projects.detail.html"
  ],
  "id": "projects",
  "name": "Projects"
},
{
  "displayFields": [
    "labAffiliations.label.html"
  ],
  "id": "labAffiliations",
  "name": "Lab Affiliations"
},
{
  "displayFields": [
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    "coursesTaught.courses.label.html",
    "coursesTaught.independentStudyCourses.label.html"
  ],
  "id": "courses",
  "name": "Courses"
},
{
```

```
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],
"id": "advisees",
"name": "Postdoctoral Advisees"
},
{
  "displayFields": [
    "graduateAndFellowshipPrograms.label.html"
  ],
  "id": "graduateFellowshipProgramAffiliations",
  "name": "Graduate and Fellowship Program Affiliations"
},
{
  "displayFields": [
    "professionalInterests.html"
  ],
  "id": "professionalInterests",
  "name": "Professional Interests"
},
{
  "displayFields": [
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    "workExperience.detail.html"
  ],
  "id": "workExperience",
  "name": "Work Experience"
}
]
},
{
  "name": "Personal Interests",
  "sections": [
    {
      "displayFields": [
        "membershipOrganizations.label.html"
      ],
      "id": "membershipOrganizations",
      "name": "Membership Organizations"
    },
    {
      "displayFields": [
        "personalInterests.html"
      ],
      "id": "personalInterests",
      "name": "Personal Interests"
    }
  ]
}
},
{
  "name": "Scientific Focus",
```

```

"sections": [
  {
    "displayFields": [
      "currentResearchInterests.terseText.html",
      "currentResearchInterests.shortText.html",
      "currentResearchInterests.fullText.html"
    ],
    "id": "currentResearchInterests",
    "name": "Current Research and Scholarly Interests"
  },
  {
    "displayFields": [
      "clinicalInterests.details",
      "clinicalInterests.terms"
    ],
    "id": "clinicalInterests",
    "name": "Current Clinical Interests"
  },
  {
    "displayFields": [
      "clinicalTrialsUrl"
    ],
    "id": "clinicalTrials",
    "name": "Clinical Trials"
  },
  {
    "displayFields": [
      "publications.capCitation",
      "publications.detail.html"
    ],
    "id": "publications",
    "name": "Publications"
  },
  {
    "displayFields": [
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  }
]
}
],
"id": "physician",
"lastModified": "2014-05-05T15:48:53.684-07:00",
"type": "physician"
}

```

Postdoc Layout

```

{
  "headings": [
    {
      "name": "Default",
      "sections": [
        {
          "displayFields": [
            "names.preferred.firstName",
            "names.preferred.middleName",
            "names.preferred.lastName",
            "names.legal.firstName",
            "names.legal.middleName",
            "names.legal.lastName"
          ],
          "id": "metadata",
          "name": "Metadata"
        },
        {
          "displayFields": [
            "displayName",
            "documents.cv.label",
            "documents.cv.url",
            "documents.resume.label",
            "documents.resume.url",
            "documents.nihBiosketch.label",
            "documents.nihBiosketch.url",
            "longTitle.label.html",
            "primaryContact.label",
            "shortTitle.label.html",
            "titles.label.html"
          ],
          "id": "vcard",
          "name": "Vcard"
        }
      ]
    },
    {
      "name": "Bio",
      "sections": [
        {
          "id": "bannerAffiliations",
          "name": "Banner Affiliations"
        },
        {
          "displayFields": [
            "bio.html"
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          "id": "bio",
          "name": "Bio"
        },
        {
          "displayFields": [
            "currentRoleAtStanford"
          ]
        }
      ]
    }
  ]
}

```

```
    ],
    "id": "currentRoleAtStanford",
    "name": "Current Role at Stanford"
  },
  {
    "displayFields": [
      "clinicalFocus"
    ],
    "id": "clinicalFocus",
    "name": "Clinical Focus"
  },
  {
    "displayFields": [
      "clinicalCare.html"
    ],
    "id": "clinicalCare",
    "name": "Patient Care"
  },
  {
    "id": "academicAppointments",
    "name": "Institute Affiliations"
  },
  {
    "displayFields": [
      "administrativeAppointments.label.html"
    ],
    "id": "administrativeAppointments",
    "name": "Administrative Appointments"
  },
  {
    "displayFields": [
      "honorsAndAwards.label.html"
    ],
    "id": "honorsAwards",
    "name": "Honors and Awards"
  },
  {
    "displayFields": [
      "professionalOrganizations.label.html"
    ],
    "id": "professionalActivities",
    "name": "Boards, Advisory Committees, Professional Organizations"
  },
  {
    "displayFields": [
      "membershipOrganizations.label.html"
    ],
    "id": "membershipOrganizations",
    "name": "Membership Organizations"
  },
  {
    "displayFields": [
      "education.label.html"
    ]
  }
}
```



```
    ],
    "id": "professionalEducation",
    "name": "Professional Education"
  },
  {
    "displayFields": [
      "clerkships.label.html"
    ],
    "id": "clerkships",
    "name": "Clerkships"
  },
  {
    "displayFields": [
      "stanfordAdvisors.label"
    ],
    "id": "advisors",
    "name": "Stanford Advisors"
  },
  {
    "displayFields": [
      "communityAndInternationalWork.label.html",
      "communityAndInternationalWork.detail.html"
    ],
    "id": "communityInternationalWork",
    "name": "Community and International Work"
  },
  {
    "displayFields": [
      "serviceWork.label.html",
      "serviceWork.detail.html"
    ],
    "id": "communityService",
    "name": "Service, Volunteer, and Community Work"
  },
  {
    "displayFields": [
      "patents.label.html"
    ],
    "id": "patents",
    "name": "Patents"
  },
  {
    "displayFields": [
      "personalInterests.html"
    ],
    "id": "personalInterests",
    "name": "Personal Interests"
  },
  {
    "displayFields": [
      "internetLinks.label.html"
    ],
    "id": "websiteLinks",
```

```
    "name": "Links"
  }
]
},
{
  "name": "Academic and Contact Information",
  "sections": [
    {
      "displayFields": [
        "alternateContact.label"
      ],
      "id": "alternateContact",
      "name": "Alternate Contact"
    },
    {
      "displayFields": [
        "clinicalContacts.label",
        "clinicalPractices.label"
      ],
      "id": "clinicalOffices",
      "name": "Clinical Offices"
    },
    {
      "displayFields": [
        "profilePhotos.square.type",
        "profilePhotos.square.url"
      ],
      "id": "photo",
      "name": "Photo"
    },
    {
      "id": "biosketch",
      "name": "Biosketch"
    },
    {
      "id": "curriculumVitae",
      "name": "Curriculum Vitae"
    },
    {
      "id": "resume",
      "name": "Resume"
    },
    {
      "displayFields": [
        "supervisors.profileId",
        "supervisors.label.html"
      ],
      "id": "supervisor",
      "name": "Supervisors"
    }
  ]
},
{
```

```
"name": "Research & Scholarship",
"sections": [
  {
    "displayFields": [
      "currentResearchInterests terseText.html",
      "currentResearchInterests shortText.html",
      "currentResearchInterests fullText.html"
    ],
    "id": "currentResearchInterests",
    "name": "Current Research and Scholarly Interests"
  },
  {
    "displayFields": [
      "clinicalInterests.details",
      "clinicalInterests.terms"
    ],
    "id": "clinicalInterests",
    "name": "Current Clinical Interests"
  },
  {
    "displayFields": [
      "clinicalTrialsUrl"
    ],
    "id": "clinicalTrials",
    "name": "Clinical Trials"
  },
  {
    "displayFields": [
      "industryRelationships.label.html",
      "industryRelationships.detail.html"
    ],
    "id": "industryRelationships",
    "name": "Industry Relationships"
  },
  {
    "displayFields": [
      "researchProjects.label.html",
      "researchProjects.detail.html"
    ],
    "id": "researchProjects",
    "name": "Research Projects"
  },
  {
    "displayFields": [
      "projects.label.html",
      "projects.detail.html"
    ],
    "id": "projects",
    "name": "Projects"
  },
  {
    "displayFields": [
      "labAffiliations.label.html"
    ]
  }
]
```

```

    ],
    "id": "labAffiliations",
    "name": "Lab Affiliations"
  }
]
},
{
  "name": "Teaching",
  "sections": [
    {
      "displayFields": [
        "coursesTaught.academicYear",
        "coursesTaught.courses.label.html",
        "coursesTaught.independentStudyCourses.label.html"
      ],
      "id": "courses",
      "name": "Courses"
    },
    {
      "displayFields": [
        "advisees.fullName",
        "advisees.profileUrl",
        "postdoctoralAdvisees.label.html"
      ],
      "id": "advisees",
      "name": "Postdoctoral Advisees"
    },
    {
      "displayFields": [
        "graduateAndFellowshipPrograms.label.html"
      ],
      "id": "graduateFellowshipProgramAffiliations",
      "name": "Graduate and Fellowship Program Affiliations"
    }
  ]
},
{
  "name": "Professional",
  "sections": [
    {
      "displayFields": [
        "professionalInterests.html"
      ],
      "id": "professionalInterests",
      "name": "Professional Interests"
    },
    {
      "displayFields": [
        "workExperience.label.html",
        "workExperience.detail.html"
      ],
      "id": "workExperience",
      "name": "Work Experience"
    }
  ]
}

```

```

    }
  ]
},
{
  "name": "Publications",
  "sections": [
    {
      "displayFields": [
        "publications.capCitation",
        "publications.detail.html"
      ],
      "id": "publications",
      "name": "Publications"
    },
    {
      "displayFields": [
        "presentations.label.html",
        "presentations.detail.html"
      ],
      "id": "presentations",
      "name": "Presentations"
    }
  ]
}
],
"lastModified": "2014-05-05T15:48:53.692-07:00",
"type": "postdoc"
}

```

Student Layout

```

{
  "headings": [
    {
      "name": "Default",
      "sections": [
        {
          "displayFields": [
            "names.preferred.firstName",
            "names.preferred.middleName",
            "names.preferred.lastName",
            "names.legal.firstName",
            "names.legal.middleName",
            "names.legal.lastName"
          ],
          "id": "metadata",
          "name": "Metadata"
        },
        {

```

```

    "displayFields": [
      "displayName",
      "documents.cv.label",
      "documents.cv.url",
      "documents.resume.label",
      "documents.resume.url",
      "documents.nihBiosketch.label",
      "documents.nihBiosketch.url",
      "longTitle.label.html",
      "primaryContact.label",
      "shortTitle.label.html",
      "titles.label.html"
    ],
    "id": "vcard",
    "name": "Vcard"
  }
],
},
{
  "name": "Bio",
  "sections": [
    {
      "id": "bannerAffiliations",
      "name": "Banner Affiliations"
    },
    {
      "displayFields": [
        "bio.html"
      ],
      "id": "bio",
      "name": "Bio"
    },
    {
      "displayFields": [
        "currentRoleAtStanford"
      ],
      "id": "currentRoleAtStanford",
      "name": "Current Role at Stanford"
    },
    {
      "id": "academicAppointments",
      "name": "Institute Affiliations"
    },
    {
      "displayFields": [
        "honorsAndAwards.label.html"
      ],
      "id": "honorsAwards",
      "name": "Honors and Awards"
    },
    {
      "displayFields": [
        "professionalOrganizations.label.html"

```

```
],
  "id": "professionalActivities",
  "name": "Professional Affiliations and Activities"
},
{
  "displayFields": [
    "membershipOrganizations.label.html"
  ],
  "id": "membershipOrganizations",
  "name": "Membership Organizations"
},
{
  "displayFields": [
    "education.label.html"
  ],
  "id": "professionalEducation",
  "name": "Education and Certifications"
},
{
  "displayFields": [
    "clerkships.label.html"
  ],
  "id": "clerkships",
  "name": "Clerkships"
},
{
  "displayFields": [
    "stanfordAdvisors.label"
  ],
  "id": "advisors",
  "name": "Stanford Advisors"
},
{
  "displayFields": [
    "serviceWork.label.html",
    "serviceWork.detail.html"
  ],
  "id": "communityService",
  "name": "Service, Volunteer, and Community Work"
},
{
  "displayFields": [
    "patents.label.html"
  ],
  "id": "patents",
  "name": "Patents"
},
{
  "displayFields": [
    "personalInterests.html"
  ],
  "id": "personalInterests",
  "name": "Personal Interests"
}
```

```
    },
    {
      "displayFields": [
        "internetLinks.label.html"
      ],
      "id": "websiteLinks",
      "name": "Links"
    }
  ]
},
{
  "name": "Academic and Contact Information",
  "sections": [
    {
      "displayFields": [
        "alternateContact.label"
      ],
      "id": "alternateContact",
      "name": "Alternate Contact"
    },
    {
      "displayFields": [
        "profilePhotos.square.type",
        "profilePhotos.square.url"
      ],
      "id": "photo",
      "name": "Photo"
    },
    {
      "id": "biosketch",
      "name": "Biosketch"
    },
    {
      "id": "curriculumVitae",
      "name": "Curriculum Vitae"
    },
    {
      "id": "resume",
      "name": "Resume"
    },
    {
      "displayFields": [
        "supervisors.profileId",
        "supervisors.label.html"
      ],
      "id": "supervisor",
      "name": "Supervisors"
    }
  ]
},
{
  "name": "Research & Scholarship",
  "sections": [
```



```

    {
      "displayFields": [
        "currentResearchInterests.terseText.html",
        "currentResearchInterests.shortText.html",
        "currentResearchInterests.fullText.html"
      ],
      "id": "currentResearchInterests",
      "name": "Current Research and Scholarly Interests"
    },
    {
      "displayFields": [
        "clinicalInterests.details",
        "clinicalInterests.terms"
      ],
      "id": "clinicalInterests",
      "name": "Current Clinical Interests"
    },
    {
      "displayFields": [
        "clinicalTrialsUrl"
      ],
      "id": "clinicalTrials",
      "name": "Clinical Trials"
    },
    {
      "displayFields": [
        "researchProjects.label.html",
        "researchProjects.detail.html"
      ],
      "id": "researchProjects",
      "name": "Research Projects"
    },
    {
      "displayFields": [
        "projects.label.html",
        "projects.detail.html"
      ],
      "id": "projects",
      "name": "Projects"
    },
    {
      "displayFields": [
        "labAffiliations.label.html"
      ],
      "id": "labAffiliations",
      "name": "Lab Affiliations"
    }
  ]
},
{
  "name": "Teaching",
  "sections": [
    {

```

```
    "displayFields": [
      "coursesTaught.academicYear",
      "coursesTaught.courses.label.html",
      "coursesTaught.independentStudyCourses.label.html"
    ],
    "id": "courses",
    "name": "Courses"
  }
]
},
{
  "name": "Professional",
  "sections": [
    {
      "displayFields": [
        "professionalInterests.html"
      ],
      "id": "professionalInterests",
      "name": "Professional Interests"
    },
    {
      "displayFields": [
        "workExperience.label.html",
        "workExperience.detail.html"
      ],
      "id": "workExperience",
      "name": "Work Experience"
    }
  ]
},
{
  "name": "Publications",
  "sections": [
    {
      "displayFields": [
        "publications.capCitation",
        "publications.detail.html"
      ],
      "id": "publications",
      "name": "Publications"
    },
    {
      "displayFields": [
        "presentations.label.html",
        "presentations.detail.html"
      ],
      "id": "presentations",
      "name": "Presentations"
    }
  ]
}
],
"id": "student",
```

```
"lastModified": "2014-05-05T15:48:53.703-07:00",  
"type": "student"  
}
```

Staff Layout

```
{  
  "headings": [  
    {  
      "name": "Default",  
      "sections": [  
        {  
          "displayFields": [  
            "names.preferred.firstName",  
            "names.preferred.middleName",  
            "names.preferred.lastName",  
            "names.legal.firstName",  
            "names.legal.middleName",  
            "names.legal.lastName"  
          ],  
          "id": "metadata",  
          "name": "Metadata"  
        },  
        {  
          "displayFields": [  
            "displayName",  
            "documents.cv.label",  
            "documents.cv.url",  
            "documents.resume.label",  
            "documents.resume.url",  
            "documents.nihBiosketch.label",  
            "documents.nihBiosketch.url",  
            "longTitle.label.html",  
            "primaryContact.label",  
            "shortTitle.label.html",  
            "titles.label.html"  
          ],  
          "id": "vcard",  
          "name": "Vcard"  
        }  
      ]  
    },  
    {  
      "name": "Bio",  
      "sections": [  
        {  
          "id": "bannerAffiliations",  
          "name": "Banner Affiliations"  
        },  
        {  
          "id": "bannerAffiliations",  
          "name": "Banner Affiliations"  
        }  
      ]  
    }  
  ]  
}
```

```
"displayFields": [
  "bio.html"
],
"id": "bio",
"name": "Bio"
},
{
  "displayFields": [
    "currentRoleAtStanford"
  ],
  "id": "currentRoleAtStanford",
  "name": "Current Role at Stanford"
},
{
  "id": "academicAppointments",
  "name": "Institute Affiliations"
},
{
  "displayFields": [
    "honorsAndAwards.label.html"
  ],
  "id": "honorsAwards",
  "name": "Honors and Awards"
},
{
  "displayFields": [
    "education.label.html"
  ],
  "id": "professionalEducation",
  "name": "Education and Certifications"
},
{
  "displayFields": [
    "projects.label.html",
    "projects.detail.html"
  ],
  "id": "projects",
  "name": "Projects"
},
{
  "displayFields": [
    "clinicalTrialsUrl"
  ],
  "id": "clinicalTrials",
  "name": "Clinical Trials"
},
{
  "displayFields": [
    "serviceWork.label.html",
    "serviceWork.detail.html"
  ],
  "id": "communityService",
  "name": "Service, Volunteer, and Community Work"
```

```
    },
    {
      "displayFields": [
        "patents.label.html"
      ],
      "id": "patents",
      "name": "Patents"
    },
    {
      "displayFields": [
        "personalInterests.html"
      ],
      "id": "personalInterests",
      "name": "Personal Interests"
    },
    {
      "displayFields": [
        "internetLinks.label.html"
      ],
      "id": "websiteLinks",
      "name": "Links"
    }
  ]
},
{
  "name": "Academic and Contact Information",
  "sections": [
    {
      "displayFields": [
        "alternateContact.label"
      ],
      "id": "alternateContact",
      "name": "Alternate Contact"
    },
    {
      "displayFields": [
        "profilePhotos.square.type",
        "profilePhotos.square.url"
      ],
      "id": "photo",
      "name": "Photo"
    },
    {
      "id": "biosketch",
      "name": "Biosketch"
    },
    {
      "id": "curriculumVitae",
      "name": "Curriculum Vitae"
    },
    {
      "id": "resume",
      "name": "Resume"
    }
  ]
}
```

```
    },
    {
      "displayFields": [
        "supervisors.profileId",
        "supervisors.label.html"
      ],
      "id": "supervisor",
      "name": "Supervisors"
    }
  ]
},
{
  "name": "Teaching",
  "sections": [
    {
      "displayFields": [
        "coursesTaught.academicYear",
        "coursesTaught.courses.label.html",
        "coursesTaught.independentStudyCourses.label.html"
      ],
      "id": "courses",
      "name": "Courses"
    }
  ]
},
{
  "name": "Professional",
  "sections": [
    {
      "displayFields": [
        "professionalInterests.html"
      ],
      "id": "professionalInterests",
      "name": "Professional Interests"
    },
    {
      "displayFields": [
        "workExperience.label.html",
        "workExperience.detail.html"
      ],
      "id": "workExperience",
      "name": "Work Experience"
    },
    {
      "displayFields": [
        "professionalOrganizations.label.html"
      ],
      "id": "professionalActivities",
      "name": "Professional Affiliations and Activities"
    }
  ]
},
{
```

```

    "name": "Publications",
    "sections": [
      {
        "displayFields": [
          "publications.capCitation",
          "publications.detail.html"
        ],
        "id": "publications",
        "name": "Publications"
      },
      {
        "displayFields": [
          "presentations.label.html",
          "presentations.detail.html"
        ],
        "id": "presentations",
        "name": "Presentations"
      }
    ]
  },
  "id": "staff",
  "lastModified": "2014-05-05T15:48:53.699-07:00",
  "type": "staff"
}

```

JSON Schema Reference

Profile Schema

The following JsonSchema describes the structure of the CAP Profile JSON object.

```

{
  "type": "object",
  "properties": {
    "administrativeAppointments": {
      "type": "array",
      "description": "Leadership positions or appointments at Stanford and elsewhere.",
      "items": {
        "type": "object",
        "properties": {
          "appointment": {
            "type": "string",
            "title": "Appointment Description"
          },
          "endYear": {
            "type": "object",

```

```
"properties": {
  "html": {
    "type": "string",
    "description": "HTML representation",
    "title": "HTML"
  },
  "text": {
    "type": "string",
    "description": "Plain text representation",
    "title": "Text"
  },
  "value": {
    "type": "string",
    "description": "ISO 8601 date truncated as needed",
    "format": "DATE_TIME",
    "title": "Value"
  }
},
"title": "Appointment End Year"
},
"label": {
  "type": "object",
  "description": "Formatted administrative appointment label",
  "properties": {
    "html": {
      "type": "string",
      "description": "HTML representation",
      "title": "HTML"
    },
    "text": {
      "type": "string",
      "description": "Plain text representation",
      "title": "Text"
    }
  },
  "title": "Label"
},
"organization": {
  "type": "string",
  "title": "Appointment Title"
},
"startYear": {
  "type": "object",
  "properties": {
    "html": {
      "type": "string",
      "description": "HTML representation",
      "title": "HTML"
    },
    "text": {
      "type": "string",
      "description": "Plain text representation",
      "title": "Text"
    }
  }
}
```



```

        },
        "value": {
            "type": "string",
            "description": "ISO 8601 date truncated as needed",
            "format": "DATE_TIME",
            "title": "Value"
        }
    },
    "title": "Appointment Start Year"
}
}
},
"title": "Administrative Appointments"
},
"advisees": {
    "type": "array",
    "items": {
        "type": "object",
        "properties": {
            "fullName": {
                "type": "string",
                "description": "Full name of the advisee",
                "title": "Full Name"
            },
            "profileUrl": {
                "type": "string",
                "description": "Profile URL of the advisee if applicable",
                "title": "Profile URL"
            }
        }
    }
},
"title": "Advisees"
},
"affiliations": {
    "type": "object",
    "description": "Flags indicating the affiliation types associated
with the profile",
    "properties": {
        "capFaculty": {
            "type": "boolean"
        },
        "capMdStudent": {
            "type": "boolean"
        },
        "capMsStudent": {
            "type": "boolean"
        },
        "capPhdStudent": {
            "type": "boolean"
        },
        "capPostdoc": {
            "type": "boolean"
        }
    }
},

```



```
    },
    "email": {
      "type": "string",
      "title": "Email"
    },
    "fax": {
      "type": "string",
      "title": "FAX"
    },
    "label": {
      "type": "string",
      "description": "Formatted contact label",
      "title": "Label"
    },
    "name": {
      "type": "string",
      "title": "Name"
    },
    "officeName": {
      "type": "string",
      "title": "Office Name"
    },
    "phoneNumbers": {
      "type": "array",
      "items": {
        "type": "string"
      },
      "title": "Phone Numbers"
    },
    "state": {
      "type": "string",
      "title": "State"
    },
    "title": {
      "type": "string",
      "title": "Title"
    },
    "type": {
      "type": "string",
      "description": "Contact type (e.g. primary, alternate, office,
etc.)",
      "title": "Type"
    },
    "zip": {
      "type": "string",
      "title": "Zip"
    }
  },
  "title": "Alternate Contact"
},
"bio": {
  "type": "object",
  "properties": {
```

```
"html": {
  "type": "string",
  "description": "HTML representation",
  "title": "HTML"
},
"text": {
  "type": "string",
  "description": "Plain text representation",
  "title": "Text"
}
},
"title": "Bio"
},
"californiaPhysicianLicense": {
  "type": "string",
  "title": "California Physician License Number",
  "metadata": true
},
"clerkships": {
  "type": "array",
  "description": "Clerkship information for prior quarters is
automatically added to CAP profiles",
  "items": {
    "type": "object",
    "properties": {
      "catalogNumber": {
        "type": "string",
        "title": "Catalog Number"
      },
      "department": {
        "type": "string",
        "title": "Department"
      },
      "label": {
        "type": "object",
        "description": "Formatted clerkship",
        "properties": {
          "html": {
            "type": "string",
            "description": "HTML representation",
            "title": "HTML"
          },
          "text": {
            "type": "string",
            "description": "Plain text representation",
            "title": "Text"
          }
        },
        "title": "Label"
      },
      "location": {
        "type": "string",
        "title": "Location"
      }
    }
  }
}
```

```
    },
    "quarter": {
      "type": "string",
      "title": "Quarter"
    },
    "subject": {
      "type": "string",
      "title": "Subject"
    },
    "subjectCode": {
      "type": "string",
      "title": "Subject Code"
    },
    "year": {
      "type": "object",
      "properties": {
        "html": {
          "type": "string",
          "description": "HTML representation",
          "title": "HTML"
        },
        "text": {
          "type": "string",
          "description": "Plain text representation",
          "title": "Text"
        },
        "value": {
          "type": "string",
          "description": "ISO 8601 date truncated as needed",
          "format": "DATE_TIME",
          "title": "Value"
        }
      },
      "title": "Year"
    }
  },
  "title": "Clerkships"
},
"clinicalCare": {
  "type": "object",
  "properties": {
    "html": {
      "type": "string",
      "description": "HTML representation",
      "title": "HTML"
    },
    "text": {
      "type": "string",
      "description": "Plain text representation",
      "title": "Text"
    }
  }
},
```

```
    "title": "Physician Care Narrative"
  },
  "clinicalContacts": {
    "type": "array",
    "items": {
      "type": "object",
      "properties": {
        "address": {
          "type": "string",
          "title": "Address"
        },
        "address2": {
          "type": "string",
          "title": "Address 2"
        },
        "city": {
          "type": "string",
          "title": "City"
        },
        "email": {
          "type": "string",
          "title": "Email"
        },
        "fax": {
          "type": "string",
          "title": "FAX"
        },
        "label": {
          "type": "string",
          "description": "Formatted contact label",
          "title": "Label"
        },
        "name": {
          "type": "string",
          "title": "Name"
        },
        "officeName": {
          "type": "string",
          "title": "Office Name"
        },
        "phoneNumbers": {
          "type": "array",
          "items": {
            "type": "string"
          },
          "title": "Phone Numbers"
        },
        "state": {
          "type": "string",
          "title": "State"
        },
        "title": {
          "type": "string",
```

```
        "title": "Title"
    },
    "type": {
        "type": "string",
        "description": "Contact type (e.g. primary, alternate, office,
etc.)",
        "title": "Type"
    },
    "zip": {
        "type": "string",
        "title": "Zip"
    }
},
"title": "Clinical Offices"
},
"clinicalFocus": {
    "type": "array",
    "items": {
        "type": "string"
    },
    "title": "Clinical Focus"
},
"clinicalInterests": {
    "type": "object",
    "properties": {
        "details": {
            "type": "string",
            "description": "Description of clinical interests",
            "title": "Details"
        },
        "terms": {
            "type": "array",
            "description": "List of clinical terms",
            "items": {
                "type": "string"
            },
            "title": "Terms"
        }
    },
    "title": "Clinical Interests"
},
"clinicalPractices": {
    "type": "array",
    "description": "Physician clinical practice locations",
    "items": {
        "type": "object",
        "properties": {
            "id": {
                "type": "string",
                "description": "Unique identifier",
                "title": "ID",
                "identifier": true
            }
        }
    }
}
```

```
},
"label": {
  "type": "object",
  "description": "Formatted place",
  "properties": {
    "html": {
      "type": "string",
      "description": "HTML representation",
      "title": "HTML"
    },
    "text": {
      "type": "string",
      "description": "Plain text representation",
      "title": "Text"
    }
  },
  "title": "Label"
},
"location": {
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        }
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    }
  }
}
```



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        "title": "Name"
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    "title": "Name"
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    "title": "URL"
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the profile",
    "title": "Clinical Trials URL"
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        "title": "Href"
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        "title": "Relationship"
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        "title": "Activity"
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    }
  }
},
```

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        "title": "Text"
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    "description": "True if this is an ongoing project",
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    "title": "Populations Served"
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    "title": "Specific Location"
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    "title": "Student Involvement Available"
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```

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"title": "Courses Taught"
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```

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              "title": "Text"
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                        "title": "Text"
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```

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Program, Masters Program)",
      "title": "Program Type"
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      "description": "Link to program website",
      "title": "URL"
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```

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            "title": "URL"
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    "title": "Text"
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```

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                    "description": "Formatted organization",

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  "title": "Title"
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},
"maintainers": {
  "type": "array",
  "description": "Alternate profile maintainers",
  "items": {
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    "properties": {
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        "title": "Alias",
        "identifier": true
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      "email": {
        "type": "string",
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  "firstName": {
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    "title": "First Name"
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    "items": {
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          "title": "Key",
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              "description": "HTML representation",
              "title": "HTML"
            },
            "text": {
              "type": "string",
              "description": "Plain text representation",
              "title": "Text"
            }
          },
          "title": "Label"
        },
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          "description": "Value of flag",
          "title": "Value"
        }
      }
    },
    "title": "Flags"
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                "description": "Hypertext reference",
                "title": "Href"
            },
            "rel": {
                "type": "string",
                "description": "Link relationship",
                "title": "Relationship"
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    "title": "Profile ID",
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              "description": "Plain text representation",
              "title": "Text"
            }
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          "title": "Label"
        },
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          "properties": {
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              "title": "Name"
            },
            "url": {
              "type": "string",
              "title": "URL"
            }
          },
          "title": "Organization"
        },
        "role": {
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          "title": "Role"
        }
      }
    },
    "title": "Membership Organizations"
  },
  "meta": {
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    "title": "Metadata",
    "metadata": true
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}
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  "description": "Names associated with the profile",
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      "properties": {
        "firstName": {
          "type": "string"
        },
        "lastName": {
          "type": "string"
        },
        "middleName": {
          "type": "string"
        }
      }
    },
    "preferred": {
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      "properties": {
        "firstName": {
          "type": "string"
        },
        "lastName": {
          "type": "string"
        },
        "middleName": {
          "type": "string"
        }
      }
    }
  },
  "title": "Profile Names",
  "metadata": true
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"patents": {
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    "properties": {
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        "title": "Assignee"
      },
      "country": {
        "type": "string",
        "title": "Country"
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      "countryCode": {
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        "title": "Country Code",
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    }
  }
}
```

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  "properties": {
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      "title": "HTML"
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    "text": {
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      "description": "Plain text representation",
      "title": "Text"
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  "title": "Title"
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```

```
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        "description": "HTML representation",
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    },
    "title": "Personal Interests"
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  "postdoctoralAdvisees": {
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          "title": "Email"
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          "items": {
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            "properties": {
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                "type": "string",
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            "title": "HTML"
        },
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    "title": "Last Name"
},
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          "title": "Href"
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        "rel": {
          "type": "string",
          "description": "Link relationship",
          "title": "Relationship"
        }
      }
    },
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  },
  "phone": {
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  },
  "principalInvestigator": {
    "type": "boolean",
    "title": "Principal Investigator"
  },
  "profileId": {
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    "identifier": true
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  }
},
"titles": "Postdoctoral Advisees"
},
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    "properties": {
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        "items": {
          "type": "object",
          "properties": {
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              "title": "HTML"
            },
            "text": {
              "type": "string",
              "description": "Plain text representation",
              "title": "Text"
            }
          }
        },
        "title": "Label"
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      "value": {
        "type": "boolean",
        "description": "Value of flag",
        "title": "Value"
      }
    }
  },
  "title": "Flags"
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  "type": "object",
  "description": "Formatted person",
  "properties": {
```

```
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      "title": "HTML"
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      "description": "Plain text representation",
      "title": "Text"
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},
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        "title": "Href"
      },
      "rel": {
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  "title": "Principal Investigator"
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  "title": "Profile ID",
  "identifier": true
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            "title": "HTML"
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            "title": "Text"
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            "description": "Plain text representation",
            "title": "Text"
        }
    }
}
```

```
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      "description": "Plain text representation",
      "title": "Text"
    }
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      "title": "City"
    },
    "country": {
      "type": "string",
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      "title": "ID",
      "identifier": true
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},
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    "title": "Zip"
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                "description": "Formatted media reference",
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                        "title": "HTML"
                    }
                }
            }
        }
    }
},
```

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        },
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      "title": "Office Name"
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      "title": "State"
    },
    "title": {
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      "title": "Title"
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}
```



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      "description": "Contact type (e.g. primary, alternate, office,
etc.)",
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      "title": "Zip"
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            "title": "HTML"
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            "title": "Text"
          },
          "value": {
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            "description": "ISO 8601 date truncated as needed",
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            "title": "Value"
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      }
    }
  }
}
```

```
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  },
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        "title": "HTML"
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        "title": "Text"
      },
      "value": {
        "type": "string",
        "description": "ISO 8601 date truncated as needed",
        "format": "DATE_TIME",
        "title": "Value"
      }
    },
    "title": "Start Year"
  }
},
"title": "Professional Organizations"
```

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  "title": "Profile ID",
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  "description": "Profile photos in various sizes and aspect ratios",
  "properties": {
    "big": {
      "type": "object",
      "properties": {
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        },
        "height": {
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        },
        "placeholder": {
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        "url": {
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        },
        "width": {
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        }
      }
    },
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      "properties": {
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```
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        },
        "height": {
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        },
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        },
        "width": {
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        }
      }
    }
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  "title": "Profile Photos"
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        "properties": {
          "name": {
            "type": "string",
            "title": "Name"
          }
        }
      }
    }
  }
},
"bioscienceHomeProgram": {
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  "items": {
    "type": "object",
    "properties": {
      "name": {
        "type": "string",
```



```
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        "title": "Text"
    }
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        "description": "Value of flag",
        "title": "Value"
    }
}
},
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"label": {
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            "title": "HTML"
        },
        "text": {
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            "description": "Plain text representation",
            "title": "Text"
        }
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    "title": "Last Name"
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    "items": {
        "type": "object",
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            },
            "rel": {
                "type": "string",
                "description": "Link relationship",
                "title": "Relationship"
            }
        }
    }
}
```

```
    },
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  "organization": {
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  },
  "phone": {
    "type": "string",
    "title": "Phone"
  },
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    "title": "Principal Investigator"
  },
  "profileId": {
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    "title": "Profile ID",
    "identifier": true
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  "title": {
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    "title": "Title"
  }
}
},
"collaborators": {
  "title": "Collaborators"
},
"description": {
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      "title": "Text"
    }
  },
  "title": "Description"
},
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  "description": "Formatted project detail",
  "properties": {
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      "description": "HTML representation",
      "title": "HTML"
    }
  },
}
```

```
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  "title": "Detail"
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      "title": "HTML"
    },
    "text": {
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      "description": "Plain text representation",
      "title": "Text"
    },
    "value": {
      "type": "string",
      "description": "ISO 8601 date truncated as needed",
      "format": "DATE_TIME",
      "title": "Value"
    }
  },
  "title": "End Date"
},
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  "title": "Institution"
},
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  "description": "Formatted project summary",
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      "description": "HTML representation",
      "title": "HTML"
    },
    "text": {
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      "title": "Text"
    }
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  "title": "Label"
},
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  "city": {
    "type": "string",
    "title": "City"
  },
  "country": {
    "type": "string",
    "title": "Country"
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    "title": "ID",
    "identifier": true
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"lastName": {
    "type": "string",
    "title": "Last Name"
},
"links": {
    "type": "array",
    "items": {
        "type": "object",
        "properties": {
            "href": {
                "type": "string",
                "description": "Hypertext reference",
                "title": "Href"
            },
            "rel": {
```



```
        "title": "HTML"
    },
    "text": {
        "type": "string",
        "description": "Plain text representation",
        "title": "Text"
    }
},
"title": "Label"
},
"organization": {
    "type": "object",
    "properties": {
        "label": {
            "type": "object",
            "description": "Formatted organization",
            "properties": {
                "html": {
                    "type": "string",
                    "description": "HTML representation",
                    "title": "HTML"
                },
                "text": {
                    "type": "string",
                    "description": "Plain text representation",
                    "title": "Text"
                }
            },
            "title": "Label"
        },
        "org": {
            "type": "string",
            "title": "Organization"
        },
        "orgCode": {
            "type": "string",
            "title": "Org Code"
        },
        "orgUrl": {
            "type": "string",
            "title": "URL"
        }
    },
    "title": "Organization"
},
"title": {
    "type": "string",
    "title": "Title"
},
"type": {
    "type": "string",
    "title": "Type"
}
```

```
    }
  },
  "title": "Titles"
},
"uid": {
  "type": "string",
  "description": "Stanford University Network Identifier",
  "title": "SUNetID",
  "metadata": true
},
"universityId": {
  "type": "string",
  "title": "University ID",
  "metadata": true
},
"workExperience": {
  "type": "array",
  "items": {
    "type": "object",
    "properties": {
      "description": {
        "type": "object",
        "properties": {
          "html": {
            "type": "string",
            "description": "HTML representation",
            "title": "HTML"
          },
          "text": {
            "type": "string",
            "description": "Plain text representation",
            "title": "Text"
          }
        }
      },
      "title": "Description"
    }
  },
  "detail": {
    "type": "object",
    "description": "Formatted work experience summary",
    "properties": {
      "html": {
        "type": "string",
        "description": "HTML representation",
        "title": "HTML"
      },
      "text": {
        "type": "string",
        "description": "Plain text representation",
        "title": "Text"
      }
    }
  },
  "title": "Detail"
},
}
```



```
"endDate": {
  "type": "object",
  "properties": {
    "html": {
      "type": "string",
      "description": "HTML representation",
      "title": "HTML"
    },
    "text": {
      "type": "string",
      "description": "Plain text representation",
      "title": "Text"
    },
    "value": {
      "type": "string",
      "description": "ISO 8601 date truncated as needed",
      "format": "DATE_TIME",
      "title": "Value"
    }
  },
  "title": "End Date"
},
"institution": {
  "type": "string",
  "title": "Institution"
},
"label": {
  "type": "object",
  "description": "Formatted work experience detail",
  "properties": {
    "html": {
      "type": "string",
      "description": "HTML representation",
      "title": "HTML"
    },
    "text": {
      "type": "string",
      "description": "Plain text representation",
      "title": "Text"
    }
  },
  "title": "Label"
},
"location": {
  "type": "object",
  "properties": {
    "address": {
      "type": "string",
      "title": "Address"
    },
    "city": {
      "type": "string",
      "title": "City"
    }
  }
}
```

```
    },
    "country": {
      "type": "string",
      "title": "Country"
    },
    "id": {
      "type": "string",
      "title": "ID",
      "identifier": true
    },
    "label": {
      "type": "object",
      "description": "Formatted location",
      "properties": {
        "html": {
          "type": "string",
          "description": "HTML representation",
          "title": "HTML"
        },
        "text": {
          "type": "string",
          "description": "Plain text representation",
          "title": "Text"
        }
      },
      "title": "Label"
    },
    "latitude": {
      "type": "string",
      "title": "Latitude"
    },
    "longitude": {
      "type": "string",
      "title": "Longitude"
    },
    "name": {
      "type": "string",
      "title": "Name"
    },
    "state": {
      "type": "string",
      "title": "State"
    },
    "zip": {
      "type": "string",
      "title": "Zip"
    }
  },
  "title": "Location"
},
"startDate": {
  "type": "object",
  "properties": {
```

```

    "html": {
      "type": "string",
      "description": "HTML representation",
      "title": "HTML"
    },
    "text": {
      "type": "string",
      "description": "Plain text representation",
      "title": "Text"
    },
    "value": {
      "type": "string",
      "description": "ISO 8601 date truncated as needed",
      "format": "DATE_TIME",
      "title": "Value"
    }
  },
  "title": "Start Date"
},
"titles": {
  "type": "string",
  "title": "Title"
}
},
"titles": "Work Experience"
}
}
}

```

Academic Ranks, Job Code, and Appointment Information for Profile Categorization

(*for Data pulled via API / CAP Drupal Module for external sites)

- School of Medicine Academic Ranks Diagram:
 - [SoM academic ranks - 6-11-2014.pdf](#)
- Job Code, Job Description, Faculty Line, Appointment Category Mapping for All CAP Profiles:
 - [ref_job_code - All CAP.xlsx](#) (Reported 6-10-2014)
- Job Code Mapping and Counts for the Schools of Engineering and H & S:
 - [ref_job_code_counts - SoE - HandS.xlsx](#) (Reported 6-10-2014)
- Information on Faculty Appointments from the Stanford Faculty Handbook
 - [Stanford Faculty Handbook - Courtesy Appointments Information](#)

Evaluating performance of Autocomplete API

Run the java program PerformanceTest.java checked into cap-api project. (package edu.stanford.irt.cap.api.util)

Once in 24 hours or so, following tokens need to be refreshed in the program.

```
private static String devToken = "bearer ex...";  
private static String uatToken = "bearer ey...";  
private static String prodToken = "bearer ez...";
```

By default, program runs on dev, uat and prod. It can be customized by changing code in the main method.

Program output will be something like this:

```
*****  
  
[473, 513, 309, 30, 206, 279, 322, 348, 212, 337, 200, 204, 280, 212, 893, 250, 208] dev apiUrl  
Average time: 309.0 ms dev apiUrl  
  
[227, 242, 526, 41, 257, 286, 241, 201, 283, 293, 259, 265, 231, 360, 293, 252, 229] uat apiUrl  
Average time: 262.0 ms uat apiUrl  
  
[202, 240, 201, 33, 183, 250, 198, 217, 242, 249, 191, 198, 258, 215, 218, 257, 227] prod apiUrl  
Average time: 209.0 ms prod apiUrl  
  
*****
```

Why use new version cap.api.client (6.40.30) ?

Recently, we added 4 new affiliations to our affiliations hashmap and the new affiliations hashmap look like this in the cap-api response:

```
"affiliations" : {  
  "FACULTY" : true,  
  "STAFF" : false,  
  "POSTDOC" : false,  
  "MD_STUDENT" : false,  
  "MS_STUDENT" : false,  
  "PHD_STUDENT" : false,  
  "PHYSICIAN" : false,  
  "REGISTRY" : false,  
  "RESIDENT" : false,  
  "FELLOW" : false,  
  "OTHER" : false  
},
```

Anyone using older version of cap-api-client.jar will see following exception when they try to parse the api response:

Caused by: com.fasterxml.jackson.databind.exc.InvalidFormatException: Can not construct Map key of type edu.stanford.irt.cap.api.client.dto.AffiliationType from String "capRegistry": not a valid representation: Unrecognized JSON value 'capRegistry'

at [Source: org.apache.http.conn.EofSensorInputStream@13a6ad0d; line: 1, column: 11942] (through reference chain: edu.stanford.irt.cap.api.client.dto.ProfileDto["affiliations"])

at com.fasterxml.jackson.databind.exc.InvalidFormatException.from(InvalidFormatException.java:55)

at com.fasterxml.jackson.databind.DeserializationContext.weirdKeyException(DeserializationContext.java:657)

at com.fasterxml.jackson.databind.deser.std.StdKeyDeserializer.deserializeKey(StdKeyDeserializer.java:43)

at com.fasterxml.jackson.databind.deser.std.MapDeserializer._readAndBind(MapDeserializer.java:379)

at com.fasterxml.jackson.databind.deser.std.MapDeserializer.deserialize(MapDeserializer.java:317)

at com.fasterxml.jackson.databind.deser.std.MapDeserializer.deserialize(MapDeserializer.java:26)

at com.fasterxml.jackson.databind.deser.SettableBeanProperty.deserialize(SettableBeanProperty.java:464)

at com.fasterxml.jackson.databind.deser.impl.FieldProperty.deserializeAndSet(FieldProperty.java:107)

at com.fasterxml.jackson.databind.deser.BeanDeserializer.deserializeFromObject(BeanDeserializer.java:295)

at com.fasterxml.jackson.databind.deser.BeanDeserializer.deserialize(BeanDeserializer.java:121)

at com.fasterxml.jackson.databind.ObjectMapper._readMapAndClose(ObjectMapper.java:2888)

at com.fasterxml.jackson.databind.ObjectMapper.readValue(ObjectMapper.java:2094)

at org.springframework.http.converter.json.MappingJackson2HttpMessageConverter.readJavaType(MappingJackson2HttpMessageConverter.java:167)

... 59 more

To avoid such exceptions, library users should upgrade to 6.40.30 or higher.

Also, in future, when we add new affiliations, clients don't have to upgrade their library. This is a one-time change only.

Clients will have to upgrade in the future only if they are interested in new affiliations or else new affiliations will fall into the affiliation bucket OTHER:true

cap.api.client library - independent of dependencies(jar files) and util classes - 6.40.45

version - 6.40.45

Recently we cleaned up all the unwanted java dependencies(jar files) and util classes.

Util classes that were removed are listed as below:

ApiStringUtils.java
AppStatus.java
AppStatusEntry.java
AppStatusHelper.java
ClientCertAccessTokenProvider.java
ClientCertAuthenticationHandler.java
ClientCertResourceDetails.java
JsonSchemaUtils.java
OAuth2ResponseErrorHandler.java
OAuth2RestTemplate.java
ProfileLayoutContext.java
ProfileLayoutUtils.java
ProfileProperty.java
ResponseErrorHandlerChain.java

Util classes were just meant to be used by CAP projects. We also found that util classes were being used in Connector app. Util classes have been copied over in respective projects as below:

CAP-API: Moved to package edu.stanford.irt.cap.api.util

CAP-SOM: Moved to package edu.stanford.irt.cap.web.util

CAP-SU: Moved to package edu.stanford.irt.cap.web.util

CAP-Intranet: Moved to package edu.stanford.irt.cap.api.client.util

Connector: Moved to package edu.stanford.irt.connector.util

We identified that following 4 files are needed only by Cap-Intranet project and hence moved to package edu.stanford.irt.util.api under Cap-Intranet

ApiStringUtils.java
ProfileLayoutContext.java
ProfileLayoutUtils.java
ProfileProperty.java

In future, the plan is to move the common util classes to a new library. All of the above mentioned projects can then refer to the new library instead of maintaining individual copies of the files.