Hackathon Documentation

Include Cloudrail .jar in your project

- Unzip the SDK you have just downloaded.

- Add the .jar file to the build path.

  For example in Eclipse: Create 'lib' folder -> Copy/Paste the .jar to the folder -> Right click on the file -> Build Path -> Add to Build Path

- Copy paste the folder "com" into your src.

  Two new packages will be created to your project. The one that will contain the class where all the methods from the Definitions you have selected will be autogenerated. And the second package will contain the test class for all these methods. In order to run the tests you should include JUnit to your project.

  In case the definitions you have selected require authentication, such as values like ClientIdentifier and ClientSecret, you have to register to company's website and request those values. For example for Google Plus you have to register at https://console.developers.google.com/ to get these values.

Spotify Web API - Add Tracks To A Playlist

	Name	Type	Unit	Format	Tags	Description
input	uri_list	Array			["List","URI"]	List of URIs of the tracks.
input	useridentifier	String			["UserIdentifier"]	ID of the user.
input	playlistidentifier	String			["PlaylistIdentifier"]	ID of the playlist.
input	accesstoken	String			["AccessToken"]	Access token obtained by the authorization request. Used to authenticate this request.

Spotify Web API - Create Playlist

	Name	Type	Unit	Format	Tags	Description
input	playlistname	String			["PlaylistName"]	Name of the new playlist.
input	publicstatus	Boolean			["PublicStatus"]	true if public, false if private.
input	useridentifier	String			["UserIdentifier"]	ID of the user.
input	accesstoken	String			["AccessToken"]	Access token obtained by the authorization request. Used to authenticate this request.
output	playlistid	String			["PlaylistID"]	ID of the playlist.
output	spotifyurlplaylist	String			["SpotifyURLPlaylist"]	URL to the playlist.

Spotify Web API - Follow A Playlist

	Name	Type	Unit	Format	Tags	Description
input	visibility	Boolean			["Visibility"]	Optional, default true. If true the playlist will be included in user's public playlists, if false it will remain private.
input	playlistidentifier	String			["PlaylistIdentifier"]	ID of the playlist the user wants to follow.
input	owneridentifier	String			["OwnerIdentifier"]	ID of the owner of the playlist.
input	accesstoken	String			["AccessToken"]	Access token obtained by the authorization request. Used to authenticate this request.

Spotify Web API - Get A Playlist

	Name	Type	Unit	Format	Tags	Description
input	playlistidentifier	String			["PlaylistIdentifier"]	ID of the playlist.
input	owneridentifier	String			["OwnerIdentifier"]	ID of the user.
input	accesstoken	String			["AccessToken"]	Access token obtained by the authorization request. Used to authenticate this request.
output	playlistid	String			["PlaylistID"]	ID of the playlist.
output	numberoffollowers	Integer			["NumberOfFollowers"]	Total number of followers.
output	spotifyurlplaylist	String			["SpotifyURLPlaylist"]	URL to the playlist.
output	collaborative	Boolean			["Collaborative"]	true if the owner allows other users to modify the playlist. .
output	description	String			["Description"]	Description of the playlist.
output	playlistname	String			["PlaylistName"]	Name of the playlist.
output	ownerid	String			["OwnerID"]	ID of the owner.
output	spotifyurlowner	String			["SpotifyURLOwner"]	URL to the owner's page.
output	usertype	String			["UserType"]	Type of the user.
output	numberoftracks	Integer			["NumberOfTracks"]	Total number of tracks.
output	limit	Integer			["Limit"]	Limit of the number of track.
output	track_list	Array			["Track","List"]	List of tracks of the playlist.
output	publicstatus	Boolean			["PublicStatus"]	true if public, false if private.

Spotify Web API - Get A Track

	Name	Type	Unit	Format	Tags	Description
input	trackidentifier	String			["TrackIdentifier"]	ID of the track.
input	accesstoken	String			["AccessToken"]	Access token obtained by the authorization request. Used to authenticate this request.
output	trackid	String			["TrackID"]	ID of the track.
output	artist_list	Array			["Artist","List"]	List of artists.
output	spotifyurltrack	String			["SpotifyURLTrack"]	URL to the track.
output	discnumber	Integer			["DiscNumber"]	Number of the disc.
output	list_availablemarket	Array			["List","AvailableMarket"]	List of available markets.
output	explicit	Boolean			["Explicit"]	true if track is explicit, false if not.
output	previewurl	String			["PreviewURL"]	URL to the preview of the track.
output	trackname	String			["TrackName"]	Name of the track.

Spotify Web API - Get A Track

	Name	Type	Unit	Format	Tags	Description
output	albumid	String			["AlbumID"]	ID of the album.
output	spotifyurlalbum	String			["SpotifyURLAlbum"]	URL to the album.
output	albumname	String			["AlbumName"]	Name of the album.
output	albumtype	String			["AlbumType"]	Type of the album.
output	durationms	Integer			["DurationMs"]	Duration of the track in ms.
output	popularity	Integer			["Popularity"]	Popularity of the track.
output	trackuri	String			["TrackURI"]	URI of the track.

Spotify Web API - Get List Of Playlists Of A User

	Name	Type	Unit	Format	Tags	Description
input	useridentifier	String			["UserIdentifier"]	ID of the user.
input	accesstoken	String			["AccessToken"]	Access token obtained by the authorization request. Used to authenticate this request.
output	totalnumberofplaylists	Integer			["TotalNumberOfPlaylists"]	Total number of playlists.
output	limit	Integer			["Limit"]	Limit of number of playlists.
output	playlist_list	Array			["Playlist","List"]	List of the playlists of the specified user.

Spotify Web API - Get Playlist By Id

	Name	Type	Unit	Format	Tags	Description
input	useridentifier	String			["UserIdentifier"]	The user's Spotify user ID.
input	playlistidentifier	String			["PlaylistIdentifier"]	The Spotify ID for the playlist.
input	accesstoken	String			["AccessToken"]	Access token obtained by the authorization request. Used to authenticate this request.
output	url	String			["URL"]	An external, public URL to the object.
output	description	String			["Description"]	The playlist description. Only returned for modified, verified playlists, otherwise null.
output	name	String			["Name"]	The name of the playlist.

Spotify Web API - Get User Data

	Name	Type	Unit	Format	Tags	Description
input	accesstoken	String			["AccessToken"]	Access token obtained by the authorization request. Used to authenticate this request.
output	date_birthdate	String			["Date","Birthdate"]	The user's date-of-birth. This field is only available when the current user has granted access to the user-read-birthdate scope.

Spotify Web API - Get User Data

	Name	Type	Unit	Format	Tags	Description
output	country	String			["Country"]	The country of the user, as set in the user's account profile. An ISO 3166-1 alpha-2 country code. This field is only available when the current user has granted access to the user-read-private scope.
output	name	String			["Name"]	The name displayed on the user's profile. null if not available.
output	email	String			["EMail"]	The user's email address, as entered by the user when creating their account. This field is only available when the current user has granted access to the user-read-email scope.
output	identifier	String			["Identifier"]	The Spotify user ID for the user.
output	product	String			["Product"]	The user's Spotify subscription level: 'premium', 'free', etc. (The subscription level 'open' can be considered the same as 'free'.) This field is only available when the current user has granted access to the user-read-private scope.

Spotify Web API - Remove Tracks From A Playlist

	Name	Type	Unit	Format	Tags	Description
input	track_list	Array			["List","Track"]	List with the tracks which should be deleted.
input	owneridentifier	String			["OwnerIdentifier"]	ID of the owner.
input	playlistidentifier	String			["PlaylistIdentifier"]	ID of the playlist.
input	accesstoken	String			["AccessToken"]	Access token obtained by the authorization request. Used to authenticate this request.

Spotify Web API - Search For A Playlist

	Name	Type	Unit	Format	Tags	Description
input	accesstoken	String			["AccessToken"]	Access token obtained by the authorization request. Used to authenticate this request.
input	searchquery	String			["SearchQuery"]	The search query's keywords (and optional field filters and operators), for example q=roadhouse%20blues. Encode spaces with the hex code %20 or +.
output	playlistsnumber	Integer			["PlaylistsNumber"]	Total number of playlists that match.
output	limit	Integer			["Limit"]	Limit of the number of playlists shown.
output	playlist_list	Array			["Playlist","List"]	List of the playlists that match the search query.

Spotify Web API - Search for artists

	Name	Type	Unit	Format	Tags	Description
input	searchquery	String			["SearchQuery"]	The search query's keywords.
input	accesstoken	String			["AccessToken"]	Access token obtained by the authorization request. Used to authenticate this request.

Spotify Web API - Search for artists

	Name	Type	Unit	Format	Tags	Description
output	items_list	Array			["Items","List"]	List of search results.

Spotify Web API - Search for track

	Name	Type	Unit	Format	Tags	Description
input	searchquery	String			["SearchQuery"]	The search query's keywords for example 'roadhouse%20blues'.
input	accesstoken	String			["AccessToken"]	Access token obtained by the authorization request. Used to authenticate this request.
output	list_items	Array			["List","Items"]	

Soundcloud API - Read Me

	Name	Type	Unit	Format	Tags	Description
input	accesstoken	String		URL	["AccessToken"]	The OAuth 2.0 access token, retrieved by authentication
output	description	String			["Description"]	The user's description, e.g. 'Buskers playing in the S-Bahn station in Berlin'
output	country_location	String			["Country","Location"]	Country, e.g. 'Germany'
output	city_location	String			["City","Location"]	City, e.g. 'Berlin'
output	full name_name	String			["Full Name","Name"]	First and last name, e.g. 'Patrock Stocklaser'
output	username_name	String			["Username","Name"]	The user's username, e.g. 'Doctor GIT'

Soundcloud API - Read App Metadata

	Name	Type	Unit	Format	Tags	Description
input	identifier_appidentifier	String		URL	["AppIdentifier","Identifier"]	App identifier, e.g. "123"
output	app name_name	String			["App Name","Name"]	The app's name, e.g. 'SoundCloud iOS'
output	creator	String			["Creator"]	The username of the app creator, e.g. 'weatherman'

Youtube API - Get Videos List

	Name	Type	Unit	Format	Tags	Description
input	videoids	String			["VideoIds"]	
input	accesstoken	String			["AccessToken"]	
input	part	String			["Part"]	
output	videoList	Array			[]	

Youtube API - Add A Comment

	Name	Type	Unit	Format	Tags	Description
input	textoriginal	String			["TextOriginal"]	
input	parentid	String			["ParentId"]	
input	accesstoken	String			["AccessToken"]	
input	part	String			["Part"]	

Youtube API - Get Comments

	Name	Type	Unit	Format	Tags	Description
input	accesstoken	String			["AccessToken"]	
input	part	String			["Part"]	
output	comments	Array			[]	

Youtube API - Get Playlists

	Name	Type	Unit	Format	Tags	Description
input	accesstoken	String			["AccessToken"]	
input	part	String			["Part"]	
output	playlists	Array			[]	

Youtube API - Subscribe A Channel

	Name	Type	Unit	Format	Tags	Description
input	kind	String			["Kind"]	
input	channelid	String			["ChannelId"]	
input	part	String			["Part"]	
input	accesstoken	String			["AccessToken"]	

Netatmo Weatherstation API - Get Devicelist

	Name	Type	Unit	Format	Tags	Description
input	accesstoken	String			["AccessToken"]	Access token obtained by the authorization request. Used to authenticate this request.
output	status	String			["Status"]	The request status. Should be 'ok' in a successful request.
output	device_list	Array			[]	

Netatmo Weatherstation API - Get Measure

	Name	Type	Unit	Format	Tags	Description
input	accesstoken	String			["AccessToken"]	Access token obtained by the authorization request. Used to authenticate this request.

Netatmo Weatherstation API - Get Measure

	Name	Type	Unit	Format	Tags	Description
input	identifier	String			["Identifier"]	The device / weather station you want to obtain data from.
output	list_measure	Array			[]	
output	status	String			["Status"]	Request status. Should be 'ok' for a successfull request.

Philips Hue API - Create User

	Name	Type	Unit	Format	Tags	Description
input	devicetype	String			["DeviceType"]	An identifier of the form [application_name]#[devicename], e.g. my_hue_app#iphone peter Restrictions: - Pattern: .{0,20}#.{0,19}

Philips Hue API - Get All Lights

	Name	Type	Unit	Format	Tags	Description
input	username	String			["Username"]	The username that was created before
output	list_identifier	Array			[]	

Philips Hue API - Get Light Attributes And State

	Name	Type	Unit	Format	Tags	Description
input	username	String			["Username"]	The username that has been created before
input	lightidentifier	String			["LightIdentifier"]	The light's identifier, usually counts up from "1"
output	state_onoffstate	Boolean			["State","OnOffState"]	On/Off state of the light. On=true, Off=false
output	brightness	Integer		uint8	["Brightness"]	Brightness of the light. This is a scale from the minimum brightness the light is capable of, 1, to the maximum capable brightness, 254.
output	hue	Integer		uint16	["Hue"]	Hue of the light. This is a wrapping value between 0 and 65535. Both 0 and 65535 are red, 25500 is green and 46920 is blue.
output	saturation	Integer		uint8	["Saturation"]	Saturation of the light. 254 is the most saturated (colored) and 0 is the least saturated (white).
output	ciecolor	Array			["CIEColor"]	The x and y coordinates of a color in CIE color space.
output	colortemperature	Integer	Mired	uint16	["ColorTemperature"]	The Mired Color temperature of the light. 2012 connected lights are capable of 153 (6500K) to 500 (2000K).

Philips Hue API - Get Light Attributes And State

	Name	Type	Unit	Format	Tags	Description
output	alerteffect	String			["AlertEffect"]	The alert effect, which is a temporary change to the bulb's state. This can take one of the following values:'none' – The light is not performing an alert effect.'select' – The light is performing one breathe cycle.'lselect' – The light is performing breathe cycles for 15 seconds or until an 'alert': 'none' command is received.Note that this contains the last alert sent to the light and not its current state. i.e. After the breathe cycle has finished the bridge does not reset the alert to 'none'. Restrictions: - Pattern: (^none$)\|(^select$)|(^lselect$)
output	effect	String			["Effect"]	The dynamic effect of the light, can either be 'none' or 'colorloop'.If set to colorloop, the light will cycle through all hues using the current brightness and saturation settings. Restrictions: - Pattern: (^none$)\|(^colorloop$)
output	colormode	String			["ColorMode"]	Indicates the color mode in which the light is working, this is the last command type it received. Values are 'hs' for Hue and Saturation, 'xy' for XY and 'ct' for Color Temperature. This parameter is only present when the light supports at least one of the values. Restrictions: - Pattern: (^xy$)\|(^ct$)|(^hs$)
output	accessibility	Boolean			["Accessibility"]	Indicates if a light can be reached by the bridge.
output	lighttypeidentifier_typeidentifier	String			["LightTypeIdentifier","TypeIdentifier"]	A fixed name describing the type of light e.g. 'Extended color light'.
output	name_lightname	String			["Name","LightName"]	A unique, editable name given to the light.
output	hardwaremodelidentifier	String			["HardwareModelIdentifier"]	The hardware model of the light.
output	softwareversion	String			["SoftwareVersion"]	An identifier for the software version running on the light.

Philips Hue API - Switch Light

	Name	Type	Unit	Format	Tags	Description
input	state_onoffstate	Boolean			["State","OnOffState"]	On/Off state of the light. On=true, Off=false
input	username	String			["Username"]	The username that has been created before
input	lightidentifier	String			["LightIdentifier"]	The light's identifier, usually counts up from "1"

Philips Hue API - Set Brightness

	Name	Type	Unit	Format	Tags	Description
input	brightness	Integer		uint8	["Brightness"]	Brightness of the light. This is a scale from the minimum brightness the light is capable of, 1, to the maximum capable brightness, 254.
input	username	String			["Username"]	The username that has been created before
input	lightidentifier	String			["LightIdentifier"]	The light's identifier, usually counts up from "1"

Philips Hue API - Set Color

	Name	Type	Unit	Format	Tags	Description
input	ciecolor	Array			["CIEColor"]	The x and y coordinates of a color in CIE color space.
input	username	String			["Username"]	The username that has been created before
input	lightidentifier	String			["LightIdentifier"]	The light's identifier, usually counts up from "1"

Dropbox API v2 - Continue with Folder Content

	Name	Type	Unit	Format	Tags	Description
input	cursorposition	String			["CursorPosition"]	The cursor returned by your last call to 'Get Folder Content' or 'Continue with Folder Content'.
input	accesstoken	String			["AccessToken"]	Access token obtained by the authorization request. Used to authenticate this request.
output	content	Array			["Content"]	The files and (direct) subfolders in the folder.
output	cursorposition	String			["CursorPosition"]	Pass the cursor into 'Continue with Folder Content' to see what's changed in the folder since your previous query.
output	hasmoreentries	Boolean			["HasMoreEntries"]	If true, then there are more entries available. Pass the cursor to 'Continue with Folder Content' to retrieve the rest.

Dropbox API v2 - Copy File Or Folder

	Name	Type	Unit	Format	Tags	Description
input	path_source	String			["Path","Source"]	Path in the user's Dropbox to be copied or moved.
input	path_destination	String			["Destination","Path"]	Path in the user's Dropbox that is the destination.
input	accesstoken	String			["AccessToken"]	Access token obtained by the authorization request. Used to authenticate this request.
output	name	String			["Name"]	The last component of the path (including extension). This never contains a slash.
output	path	String			["Path"]	The lowercased full path in the user's Dropbox. This always starts with a slash.
output	timestamp_modificationdate	String			["Timestamp","ModificationDate"]	The last time the file was modified on Dropbox.

Dropbox API v2 - Copy File Or Folder

	Name	Type	Unit	Format	Tags	Description
output	revision	String			["Revision"]	A unique identifier for the current revision of a file. This field is the same rev as elsewhere in the API and can be used to detect changes and avoid conflicts.
output	size	Integer			["Size"]	The file size in bytes.
output	identifier	String			["Identifier"]	A unique identifier for the file / folder. This field is optional.

Dropbox API v2 - Create Folder

	Name	Type	Unit	Format	Tags	Description
input	path_identifier	String			["Identifier","Path"]	The path to the new folder on Dropbox.
input	accesstoken	String			["AccessToken"]	Access token obtained by the authorization request. Used to authenticate this request.
output	name	String			["Name"]	The last component of the path (including extension). This never contains a slash.
output	path	String			["Path"]	The lowercased full path in the user's Dropbox. This always starts with a slash.
output	timestamp_modificationdate	String			["Timestamp","ModificationDate"]	The last time the file was modified on Dropbox.
output	revision	String			["Revision"]	A unique identifier for the current revision of a file. This field is the same rev as elsewhere in the API and can be used to detect changes and avoid conflicts.
output	size	Integer			["Size"]	The file size in bytes.
output	identifier	String			["Identifier"]	A unique identifier for the file / folder. This field is optional.

Dropbox API v2 - Delete File Or Folder

	Name	Type	Unit	Format	Tags	Description
input	path_identifier	String			["Identifier","Path"]	The path of a file or folder on Dropbox.
input	accesstoken	String			["AccessToken"]	Access token obtained by the authorization request. Used to authenticate this request.

Dropbox API v2 - Get Account Info

	Name	Type	Unit	Format	Tags	Description
input	accesstoken	String			["AccessToken"]	Access token obtained by the authorization request. Used to authenticate this request.
output	accountidentifier	String			["AccountIdentifier"]	The user's unique Dropbox ID.
output	firstname	String			["Firstname"]	The user's first name.
output	lastname	String			["Lastname"]	The user'S last name.

Dropbox API v2 - Get Account Info

	Name	Type	Unit	Format	Tags	Description
output	username	String			["Username"]	A name that can be used directly to represent the name of a user's Dropbox account.
output	countryidentifier	String			["CountryIdentifier"]	The user's two-letter country code, if available. Country codes are based on ISO 3166-1. This field is optional.

Dropbox API v2 - Get Folder Content

	Name	Type	Unit	Format	Tags	Description
input	path_identifier	String			["Identifier","Path"]	The path of a folder on Dropbox.
input	accesstoken	String			["AccessToken"]	Access token obtained by the authorization request. Used to authenticate this request.
output	content	Array			["Content"]	The files and (direct) subfolders in the folder.
output	cursorposition	String			["CursorPosition"]	Pass the cursor into 'Continue with Folder Content' to see what's changed in the folder since your previous query.
output	hasmoreentries	Boolean			["HasMoreEntries"]	If true, then there are more entries available. Pass the cursor to 'Continue with Folder Content' to retrieve the rest.

Dropbox API v2 - Get Metadata

	Name	Type	Unit	Format	Tags	Description
input	path_identifier	String			["Identifier","Path"]	The path of a file or folder on Dropbox.
input	accesstoken	String			["AccessToken"]	Access token obtained by the authorization request. Used to authenticate this request.
output	name	String			["Name"]	The last component of the path (including extension). This never contains a slash.
output	path	String			["Path"]	The lowercased full path in the user's Dropbox. This always starts with a slash.
output	timestamp_modificationdate	String			["Timestamp","ModificationDate"]	The last time the file was modified on Dropbox.
output	revision	String			["Revision"]	A unique identifier for the current revision of a file. This field is the same rev as elsewhere in the API and can be used to detect changes and avoid conflicts.
output	size	Integer			["Size"]	The file size in bytes.
output	identifier	String			["Identifier"]	A unique identifier for the file / folder. This field is optional.

Dropbox API v2 - Get Space Usage

	Name	Type	Unit	Format	Tags	Description
input	accesstoken	String			["AccessToken"]	Access token obtained by the authorization request. Used to authenticate this request.

Dropbox API v2 - Get Space Usage

	Name	Type	Unit	Format	Tags	Description
output	usedquota	Integer			["UsedQuota"]	The user's total space usage (bytes).
output	totalquota	Integer			["TotalQuota"]	The user's space allocation applies only to their individual account.

Dropbox API v2 - Move File Or Folder

	Name	Type	Unit	Format	Tags	Description
input	path_source	String			["Path","Source"]	Path in the user's Dropbox to be copied or moved.
input	path_destination	String			["Destination","Path"]	Path in the user's Dropbox that is the destination.
input	accesstoken	String			["AccessToken"]	Access token obtained by the authorization request. Used to authenticate this request.
output	name	String			["Name"]	The last component of the path (including extension). This never contains a slash.
output	path	String			["Path"]	The lowercased full path in the user's Dropbox. This always starts with a slash.
output	timestamp_modificationdate	String			["Timestamp","ModificationDate"]	The last time the file was modified on Dropbox.
output	revision	String			["Revision"]	A unique identifier for the current revision of a file. This field is the same rev as elsewhere in the API and can be used to detect changes and avoid conflicts.
output	size	Integer			["Size"]	The file size in bytes.
output	identifier	String			["Identifier"]	A unique identifier for the file / folder. This field is optional.

Google Tasks - Create A New Task List

	Name	Type	Unit	Format	Tags	Description
input	title	String			["Title"]	New task list title
input	accesstoken	String			["AccessToken"]	Access Token
output	id	String			["Id"]	Task list identifier
output	title	String			["Title"]	Task list title
output	updated	String			["Updated"]	Last update

Google Tasks - Create New Task On Task List

	Name	Type	Unit	Format	Tags	Description
input	title	String			["Title"]	New task title
input	tasklistidentifier	String			["TaskListIdentifier"]	Task list identifier.
input	accesstoken	String			["AccessToken"]	Access Token
output	updated	String			["Updated"]	Last update

Google Tasks - Create New Task On Task List

	Name	Type	Unit	Format	Tags	Description
output	title	String			["Title"]	Task title
output	id	String			["Id"]	Task identifier

Google Tasks - Delete A Task List

	Name	Type	Unit	Format	Tags	Description
input	tasklistidentifier	String			["TaskListIdentifier"]	Task list identifier.
input	accesstoken	String			["AccessToken"]	Access Token

Google Tasks - Delete Task From Task List

	Name	Type	Unit	Format	Tags	Description
input	tasklistidentifier	String			["TaskListIdentifier"]	Task list identifier.
input	taskidentifier	String			["TaskIdentifier"]	Task identifier.
input	accesstoken	String			["AccessToken"]	Access Token

Google Tasks - Get All Task Lists

	Name	Type	Unit	Format	Tags	Description
input	accesstoken	String			["AccessToken"]	Access Token
output	list_tasklist	Array			["List","TaskList"]	The list of all task lists of the current user.

Facebook Graph API - Get information about the user

	Name	Type	Unit	Format	Tags	Description
input	accesstoken	String			["AccessToken"]	Access Token
output	list_work	Array			["List","Work"]	Details of a person`s work experience
output	birthday	String			["Birthday"]	The birthday date in the format DD/MM/YYYY
output	name_hometown	String			["Name","Hometown"]	The name of the hometown
output	name_location	String			["Name","Location"]	The name of the location
output	list_education	Array			["List","Education"]	A list of the educational biography of the user
output	agerange	Object			["AgeRange"]	The age segment for this person expressed as a minimum and maximum age. For example, more than 18, less than 21.
output	id_user	String			["Id","User"]	The id of this person's user account. This ID is unique to each app and cannot be used across different apps. Our upgrade guide provides more information about app-specific IDs
output	firstname	String			["FirstName"]	The person's first name

Facebook Graph API - Get information about the user

	Name	Type	Unit	Format	Tags	Description
output	bio	String			["bio"]	The person's bio
output	lastname	String			["LastName"]	The person's last name
output	list_data_pages	Array			["List","Data","Pages"]	A list of the pages the user likes
output	list_friends	Array			["List","Friends"]	A list of the friends as User nodes.
output	gender	String			["Gender"]	The gender of the user

Facebook Graph API - Get User Feed

	Name	Type	Unit	Format	Tags	Description
input	accesstoken	String			["AccessToken"]	The access token retrieved after authentication
output	feed	Array			[]	An array of posts

Facebook Graph API - Get users friends

	Name	Type	Unit	Format	Tags	Description
input	user identifier	String			["User Identifier"]	The id of this person's user account. This ID is unique to each app and cannot be used across different apps.
input	accesstoken	String			["AccessToken"]	A user access token with user_friends permission is required to view the current person's friends.
output	list_friends	Array			["List","Friends"]	A list of the friends of the user.
output	totalcount	Integer			["TotalCount"]	The total count of friends

Simple Java example

```java
import com.cloudrail.exception.CloudRailException;
 import com.cloudrail.userInterface.MyProject;
 import com.cloudrail.userInterface.MyProject.
GetDataByCityNameResponseListener;



public class Demo {
 public static void main(String[] args) {
 // The city to get weather data about
 final String cityname = "Mannheim";
 // The API key you normally get
from openWeather after signing up
 final String apiKey = "e8a80e050012235a80e0e9c03de2f64d";
// Global variables get passed to the constructor, but we don't have any
MyProject myProject = new MyProject();
// The SDK works asynchronously
 myProject.getDataByCityName(cityname, apiKey, new GetDataByCityNameResponseListener() {
 public void
onSuccess(Double longitude, Double latitude,
 Double temperature, Double pressure, Long humidity,
 Double temperature_minimum, Double temperature_maximum,
 Double wind_speed
, Double wind_direction, Long cloudiness,
 Long cityidentifier, String cityname) {
 System.out.println("Weather data for " + cityname + " is: " + temperature + "°C, " +
pressure + "hPa, " + humidity + "% humidity");
 }
public void onError(CloudRailException error) {
 error.printStackTrace();
 }
public void onProgress(double percentFinished)
{}
 });
 }
 }
```

Java example with Authentication

```java
public class Demo {
 public static void main(String[] args) {
 // Put client-id here. You get the id from the provider's site.
 final String clientidentifier = "";
 // Put
client-secret here. You get it from the provider's site.
 final String clientsecret = "";
 // Leave as is or change port
 final String redirecturi =
"https://localhost:12345";
 // Leave as is or change after reading up on CSRF tokens
 final String csrftoken = "token";
 final UriView open = new LocalUriCaller();
 final
UriRedirectListener redirect = new HttpsServerRedirectListener(Helper.getDummyContext(), 12345)
// Global variables get passed to the constructor
 MyProject myProject =
new MyProject(clientidentifier, clientsecret, redirecturi, csrftoken);
myProject.init_GooglePlus_Auth(open, redirect, new AccessTokenCallback() {
 public void onError(
CloudRailException error) {
 error.printStackTrace();
 }
 public void onToken(String token) {
 myProject.getPeople("me", token, new GetPeopleResponseListener() {
 public void
onSuccess(String birthday, String displayname,
 String relationshipstatus, String biography,
 List< Object> list_emailaddress,
 String profilephoto_url, String firstname,
String lastname) {
System.out.println(displayname + " was born on " + birthday);
 }
public void onError(CloudRailException error) {
 error.printStackTrace();
 }
 public void
onProgress(double percentFinished) {}
 });
 }
 });
 myProject.start_GooglePlus_Auth();
 }
 }
```