



Alison Remote Access API

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Table of Contents

[Alison Remote Access API](#)

[Overview](#)

[About SOAP](#)

[Alison API Functionality](#)

[Alison API Responsibility](#)

[Third-Party Responsibility](#)

[Alison API Implementation](#)

[Alison API Responses](#)

[Alison API Error Responses](#)

[Alison API Error Codes](#)

[Alison API Authentication](#)

[Alison API User Privacy](#)

[Alison API Calls](#)

[getUserId Call](#)

[emailExists Call](#)

[login Call](#)

[getAlisonIdFromExternalId Call](#)

[updateEmail Call](#)

[getAvailableCategories Call](#)

[getAvailableCourses Call](#)

[getCoursesByLanguage Call](#)

[getCoursesByCategory Call](#)

[getCourse Call](#)

[getFirstAccess Call](#)

[getLastAccess Call](#)

[getDuration Call](#)

[getDurationPeriod Call](#)

[getMyCourses Call](#)

[getMyCoursesDetailed Call](#)



Overview

As part of Alison's commitment to simplifying integration into our platform for our partners, we have developed a SOAP based API to allow our partners to bypass our normal registration and login processes, and thereby register new users on Alison and silently log users into Alison to complete Alison learning modules.

About SOAP

SOAP stands for Simple Object Access Protocol. SOAP is an open communication protocol supported by the W3C that allows systems connected via the Internet to communicate in a platform independent format. A SOAP message is delivered as XML.

Additional information on SOAP:

<http://www.w3.org/TR/soap/>

The use of SOAP in the Alison API allows development teams on third party systems to entirely manage their own code and functionality independent.



Alison API Functionality

In its current form, the Alison Remote Access API allows the following core actions:

1. Register and Login (called “login”)
2. Retrieve available courses (called “getAvailableCourses”)
3. Retrieve specific course (called “getCourse”)
4. Retrieve available categories (called “getAvailableCategories”)
5. Retrieve a user ID (called “getUserId”)
6. Determine if a given e-mail address already exists on the Alison system (called “emailExists”)
7. Retrieve available courses by a given language (called “getCourseByLanguage”)
8. Retrieve available courses by a given category (called “getCoursesByCategory”)
9. Retrieve a user’s first access time (called “getFirstAccess”)
10. Retrieve a user’s last access time (called “getLastAccess”)
11. Retrieve a user’s total study duration time (called “getDuration”)
12. Retrieve a user’s total study duration time for a given period (called “getDurationPeriod”)
13. Retrieve details of a user’s enrolled courses (called “getMyCourses”)
14. Retrieve advanced details of a user’s enrolled courses (called “getMyCoursesDetailed”)
15. Retrieve an Alison user ID based on a given external ID (called “getAlisonIdFromExternalId”)

Note: To avoid duplicate registrations for the same user, Alison has implemented the API to only perform the Login functionality if a Register and Login call is made for a user that already exists on the Alison platform.

Example:

A third-party system makes two identical “Register and Login” calls to the API for two students – Learner A and Learner B. Learner A does not exist on Alison. Learner B exists on Alison.

The Alison API will perform a Register and Login action for Learner A.

The Alison API will perform a Login action for Learner B.



Code logic for Login action

Receive user details.

Check if user exists.

If user does not exist, register user.

Return string to allow user login to Alison.

Code logic for Get Available Courses action

Receive request. No Parameter needed.

Return a listing of all available courses for the client.

Code logic for Get Course action

Receive request. No Parameter needed.

Return a listing of a specific course for the client.

Code logic for Get Available Categories action

Receive request. No Parameter needed.

Return a listing of all available categories for the client.

Code logic for Get User ID action

Receive request. Parameter *e-mail* needed.

Return the Alison user ID for the account.

Code logic for E-mail Exists action

Receive request. Parameter *e-mail* needed.

Return boolean value.

Code logic for Get Courses By Language action

Receive request. Parameter *language* needed.

Return a listing of all available courses for the client.

Code logic for Get Courses By Category action

Receive request. Parameter *categoryid* needed.

Return a listing of all available courses for the client.

Code logic for Get First Access action

Receive request. Parameter *userid* needed.

Return a UTC timestamp.

Code logic for Get Last Access action

Receive request. Parameter *userid* needed.

Return a UTC timestamp.

Code logic for Get Duration action

Receive request. Parameter *userid* needed.

Return time in the format *hh:mm:ss*.



Code logic for Get Duration Period action

Receive request. Parameters *userid*, *from* and *to* needed.

Return time in the format *hh:mm:ss*.

Code logic for Get My Courses action

Receive request. Parameter *userid* needed.

Return a listing of all available courses for the client.

Code logic for Get My Courses Detailed action

Receive request. Parameter *userid* needed.

Return a listing of all available courses for the client.

Code logic for Get Alison ID From External ID action

Receive request. Parameter *external ID* needed.

Return the Alison user ID for the account.



Alison API Responsibility

The use of the open SOAP protocol creates a clear definition of which side in the communication exchange are responsible for each area of development.

Registration call

Alison is responsible for consuming the SOAP message, deciding if the user needs to be registered and if so registering.

Alison is also responsible for logging the user into the Alison platform.

Alison is responsible for directing the student to the course passed I the TAGS field.

Get Available Courses call

Alison is responsible for consuming the SOAP message, and returning a list of all available courses for the client.

Get Course call

Alison is responsible for consuming the SOAP message, and returning a specific course for the client.

Get Available Categories call

Alison is responsible for consuming the SOAP message, and returning a list of all available categories for the client.

Get User ID call

Alison is responsible for consuming the SOAP message, and returning a user ID to the client.

Email Exists call

Alison is responsible for consuming the SOAP message, and returning a binary value to the client.

Get Courses By Language call

Alison is responsible for consuming the SOAP message, and returning a list of all available courses to the client.

Get Courses By Category call

Alison is responsible for consuming the SOAP message, and returning a list of all available courses to the client.

Get First Access call

Alison is responsible for consuming the SOAP message, and returning a UTC timestamp to the client.

Get Last Access call

Alison is responsible for consuming the SOAP message, and returning a UTC timestamp to the client.

Get Duration call

Alison is responsible for consuming the SOAP message, and returning a formatted time string to the client.

Get Duration Period call

Alison is responsible for consuming the SOAP message, and returning a formatted time string to the client.



Get My Courses call

Alison is responsible for consuming the SOAP message, and returning a list of all relevant courses to the client.

Get My Courses Detailed call

Alison is responsible for consuming the SOAP message, and returning a list of all relevant courses to the client.

Get Alison ID From External ID call

Alison is responsible for consuming the SOAP message, and returning a user ID to the client.

In the event that the incoming SOAP message contains errors then Alison is responsible for communicating this to the third party via SOAP error responses.

Third-Party Responsibility

Requests to Alison

The third party development team are responsible for opening a connection to the client specific API access url. The third party is then responsible for sending a properly formatted SOAP call, with the correct parameters in place (for registration call), as outlined in the API Implementation section of this document.

Responses from Alison

The third party is responsible for consuming, filtering and using the returned data send by Alison as response to incoming data request calls.



Alison API Implementation

The first step in implementing a connection via the Alison API is connection to the client specific API URL:

```
https://alison.com/api/service.php
```

The next step is to send a properly formatted SOAP call for the desired function call. The format for these calls is outlined on the following pages.

Alison API Responses

All responses from the Alison API will adhere to SOAP. The outline structure of **every** response will be as follows:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>

    [RESPONSE DATA]

  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Alison API Error Responses

All error responses from the Alison API will adhere to the following SOAP structure:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <SOAP-ENV:Fault>
      <faultcode xsi:type="xsd:string">SOAP-ENV:Client</faultcode>
      <faultactor xsi:type="xsd:string">[TEXT]</faultactor>
      <faultstring xsi:type="xsd:string">[TEXT]</faultstring>
      <detail xsi:type="xsd:string">[TEXT]</detail>
    </SOAP-ENV:Fault>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```



Alison API Error Codes

Error Code	Details
EMAIL_MISSING	A valid e-mail address must be provided.
EXTERNAL_ID_MISSING	A valid external ID must be provided.
EXTERNAL_ID_NOT_FOUND	The provided external ID was not found on the Alison system.
INVALID_EMAIL	An invalid e-mail address was provided.
EMAIL_EXISTS	The given e-mail address already exists on the Alison system.
FIELDS_MISSING	A required field was not provided.
INVALID_COUNTRY	An invalid 2-character country code was provided.
USER_TYPE_ERROR	This user is a type that is not permitted to use the API.
USER_SUSPENDED	The given user is suspended from use on the Alison system.
USER_DELETED	The given user has been deleted from use on the Alison system.
USER_ERROR	The given user was not found.
USER_PERMISSION_ERROR	Your organisation does not have permission to view this user's details.
NO_AVAILABLE_CATEGORIES	No categories found.
NO_AVAILABLE_COURSES	No courses found.
NO_AVAILABLE_COURSE	Given course not found.
LANGUAGE_ERROR	Invalid language code provided.
AUTH_FAILED	Organisation authentication failed.
REGISTRATION_INSERT_FAILED	Creation of the new user has failed.
INVALID_ALISON_ID	An valid Alison user ID must be provided.



Alison API Authentication

To use the Alison Web Service, your organisation must be registered with Alison as an authorized organisation. Once authorized, Alison will provide your organisation with a unique ORGANIZATION ID and ORGANIZATION KEY.

Once obtained, authentication information must be contained within the SOAP Header. **Every call** to the Alison Web Service must include your unique authentication information, stored within 'credentials' tags in the SOAP Header, i.e.:

```
<soap:Header>
<credentials>
  <alisonOrgId>[ORGANIZATION ID]</alisonOrgId>
  <alisonOrgKey>[ORGANIZATION KEY]</alisonOrgKey>
</credentials>
</soap:Header>
```

Your calls to the Alison Web Service will fail if the above authentication structure is not adhered to.

Alison API User Privacy

All registered Alison users are internally identifiable by their registration source. To preserve the privacy of Alison users, an API organisation can only retrieve data for users registered by that organisation, or a user who is not tied to any organisation. Any attempts to retrieve information relating to other users will generate a SOAP error.



Alison API Calls

getUserId Call

The purpose of this call is to allow a client to retrieve an Alison user ID for a given e-mail address.

Sample SOAP message (send to Alison API)

```
<q1:getUserId xmlns:q1="urn:alisonwsdl">
  <email xsi:type="xsd:string">[E-MAIL ADDRESS]</email>
</q1:getUserId>
```

The field highlighted above refers to the following values:

Field	Value expected
E-mail address	The e-mail address to be queried on the Alison platform.

Success

If the correct details are received in the format outlined above, and the queried user is assigned to your organisation, the Alison user ID will be returned e.g.

```
<ns1:getUserIdResponse xmlns:ns1="http://tempuri.org">
  <return xsi:type="xsd:int">1234567</return>
</ns1:getUserIdResponse>
```

Failure - Error Messages

The Alison API will return SOAP error responses for a number of scenarios.

- If the email is empty or is not a valid email address, an **EMAIL_MISSING** error will be thrown.
- If the email provided does not exist in Alison database, 0 (zero) will be returned.



emailExists Call

The purpose of this call is to check for the existence of a given e-mail address within the Alison system.

Sample SOAP message (send to Alison API)

```
<q1:emailExists xmlns:q1="urn:alisonwsdl">
  <email xsi:type="xsd:string">[E-MAIL ADDRESS]</email>
</q1:emailExists>
```

The field highlighted above refers to the following values:

Field	Value expected
E-mail address	The e-mail address to be queried on the Alison platform.

Success

If the correct details are received in the format outlined above, a binary value (0=not exists, 1=exists) will be returned e.g.

```
<ns1:emailExistsResponse xmlns:ns1="http://tempuri.org">
  <return xsi:type="xsd:int">1</return>
</ns1:emailExistsResponse>
```

Failure - Error Messages

The Alison API will return SOAP error responses for a number of scenarios.



login Call

The purpose of this call is to allow a client to register a user on Alison, log the user into the Alison platform, and, if desired, direct them to a specific course. If the student already exists on Alison, the login action is performed without re-registration.

Sample SOAP message (send to Alison API)

```
<q1:login xmlns:q1="urn:alisonwsdl">
  <email xsi:type="xsd:string">[E-MAIL ADDRESS]</email>
  <firstname xsi:type="xsd:string">[FIRST NAME]</firstname>
  <lastname xsi:type="xsd:string">[LAST NAME]</lastname>
  <city xsi:type="xsd:string">[CITY]</city>
  <country xsi:type="xsd:string">[COUNTRY]</country>
  <external_id xsi:type="xsd:string">[EXTERNAL ID]</external_id>
</q1:login>
```

The fields highlighted above refer to the following values:

Field	Value expected
E-mail address	The email address of the student who is to be added to the Alison platform.
First name	The first name of the student who is to be added to the Alison platform.
Last name	The last name of the student who is to be added to the Alison platform.
City	The City location for the student who is to be added to the Alison platform.
Country	The 2-character country code for the student who is to be added to the Alison platform.
External ID	A non-Alison ID which may be used to reference the created Alison account (optional)

Success - User Logged In

If the correct details are received in the format outlined above, then the specified user will be registered (if not already) and the return string will allow for user login to Alison e.g.

```
<ns1:loginResponse xmlns:ns1="http://tempuri.org">
  <return xsi:type="xsd:string">e=some-random-string/test@example.com</return>
</ns1:loginResponse>
```

Once this return string is received, the user should be redirected to the following url to complete login on Alison:

```
https://alison.com/login/external.php?e=some-random-string/test@example.com
```

A further option is to include the *shortcode* of a particular course to redirect the user directly to the course landing page for the given course, e.g.

```
https://alison.com/login/external.php?e=some-random-string/test@example.com&idcourse=Sample-Course-Shortname
```



Failure - Error Messages

The Alison API will return SOAP error responses for a number of scenarios.

- If no email is provided, a `EMAIL_MISSING` error will be thrown.
- If an invalid email is passed, a `INVALID_EMAIL` error will be thrown.

If the user does not exist and login() is trying to create a new user, the following applies.

- If first name, city or country are empty, a `FIELDS_MISSING` error will be thrown.
- If the country passed does not match any [ISO 3166-1 alpha-2](#) code, a `INVALID_COUNTRY` error will be thrown.
- If the email provided matched with a Alison Admin e-mail, a `USER_TYPE_ERROR` error will be thrown.
- If the user is suspended, a `USER_SUSPENDED` error will be thrown.
- If the user is deleted, a `USER_DELETED` error will be thrown.



getAlisonIdFromExternalId Call

The purpose of this call is to allow a client to retrieve an Alison user ID for a given user external ID, as set at sign-up time by a call to *login*.

Sample SOAP message (send to Alison API)

```
<q1:getAlisonIdFromExternalId xmlns:q1="urn:alisonwsdl">
  <external_id xsi:type="xsd:string">[EXTERNAL ID]</external_id>
</q1:getAlisonIdFromExternalId>
```

The field highlighted above refers to the following values:

Field	Value expected
External ID	A non-Alison ID which references an existing Alison account.

Success

If the correct details are received in the format outlined above, and the queried user is assigned to your organisation, the Alison user ID will be returned e.g.

```
<ns1:getAlisonIdFromExternalIdResponse xmlns:ns1="http://tempuri.org">
  <return xsi:type="xsd:int">1234567</return>
</ns1:getAlisonIdFromExternalIdResponse>
```

Failure - Error Messages

The Alison API will return SOAP error responses for a number of scenarios.



updateEmail Call

The purpose of this call is to allow a client to update the e-mail address for a given Alison user ID.

Sample SOAP message (send to Alison API)

```
<q1:updateEmail xmlns:q1="urn:alisonwsdl">
  <alison_id xsi:type="xsd:int">[Alison USER ID]</alison_id>
  <old_email xsi:type="xsd:string">[OLD EMAIL ADDRESS]</old_email>
  <new_email xsi:type="xsd:string">[NEW EMAIL ADDRESS]</new_email>
</q1:updateEmail>
```

The field highlighted above refers to the following values:

Field	Value expected
Alison ID	An Alison user ID which references an existing Alison account.
Old Email	The current e-mail address for the given account.
New Email	The new e-mail address for the given account.

Success

If the correct details are received in the format outlined above, and the queried user is assigned to your organisation, an integer "1" will be returned e.g.

```
<ns1:updateEmailResponse xmlns:ns1="http://tempuri.org">
  <return xsi:type="xsd:int">1</return>
</ns1:updateEmailResponse>
```

Failure - Error Messages

The Alison API will return SOAP error responses for a number of scenarios.



getAvailableCategories Call

The purpose of this call is to return a list of available categories available to a client. Should a category be temporarily unavailable from the Alison platform – for editing or other reasons – the category will not be returned by the API.

Sample SOAP message (send to Alison API)

```
<q1:getAvailableCategories xmlns:q1="urn:alisonwsdl">
</q1:getAvailableCategories>
```

Success

If the message is received and correctly formatted, Alison API will return a list of categories that are available to the client who is making the call, e.g.

```
<ns1:getAvailableCategoriesResponse xmlns:ns1="http://tempuri.org">
  <return xsi:type="SOAP-ENC:Array" SOAP-ENC:arrayType="tns:categories[10]">
    <item xsi:type="tns:categories">
      <id xsi:type="xsd:int">25</id>
      <name xsi:type="xsd:string">Diploma Courses</name>
      <name_ar xsi:type="xsd:string">دبْلوما</name_ar>
      <name_he xsi:type="xsd:string">קורסים לתעודה</name_he>
      <name_es xsi:type="xsd:string">Cursos de Diploma</name_es>
      <name_fr xsi:type="xsd:string">Formations diplômantes</name_fr>
      <name_cn xsi:type="xsd:string">文凭课程</name_cn>
      <name_ur xsi:type="xsd:string">ڈپلومہ کورس</name_ur>
      <name_hi xsi:type="xsd:string">डिप्लोमा पाठ्यक्रम</name_hi>
      <name_ru xsi:type="xsd:string">Д и п л о м н ы е  к у р с ы</name_ru>
      <name_pt xsi:type="xsd:string">Cursos de diploma</name_pt>
      <name_de xsi:type="xsd:string">Diplomkurse</name_de>
      <name_it xsi:type="xsd:string">Corsi di diploma</name_it>
      <name_ku xsi:type="xsd:string">Diploma Courses</name_ku>
    </item>
    ...
  </return>
</ns1:getAvailableCategoriesResponse>
```

Failure - Error Messages

The Alison API will return SOAP error responses for a number of scenarios.



getAvailableCourses Call

The purpose of this call is to provide the client with a list of all available courses. Should a course be temporarily unavailable from the Alison platform – for editing or other reasons – the course will not be returned by the API.

Sample SOAP message (send to Alison API)

```
<q1:getAvailableCourses xmlns:q1="urn:alisonwsdl">
  <offset xsi:type="xsd:int">[STARTING OFFSET]</offset>
  <count xsi:type="xsd:int">[NUMBER OF COURSES]</count>
</q1:getAvailableCourses>
```

The fields highlighted above refer to the following values:

Field	Value expected
Starting Offset	The starting offset integer within the set of courses.
Number of courses	The number of courses to return.

Success

If the message is received and correctly formatted, Alison API will return a list of courses that are available to the client who is making the call.

```
<ns1:getAvailableCoursesResponse xmlns:ns1="http://tempuri.org">
  <return xsi:type="SOAP-ENC:Array" SOAP-ENC:arrayType="tns:courses[10]">
    <item xsi:type="tns:courses">
      <id xsi:type="xsd:int">7</id>
      <category xsi:type="xsd:int">2</category>
      <categoryname xsi:type="xsd:string"> Financial & Economic
Literacy</categoryname>
      <release_date xsi:type="xsd:string">25 February 2011</release_date>
      <fullname xsi:type="xsd:string">Financial Literacy</fullname>
      <fullname_ar xsi:type="xsd:string">محو الأمية المالية</fullname_ar>
      <fullname_he xsi:type="xsd:string">פינוסית אוריינות</fullname_he>
      <fullname_es xsi:type="xsd:string">Cultura financiera</fullname_es>
      <fullname_fr xsi:type="xsd:string">Littérature financière</fullname_fr>
      <fullname_cn xsi:type="xsd:string">金融扫盲</fullname_cn>
      <fullname_ur xsi:type="xsd:string">مالیاتی خواندگی</fullname_ur>
      <fullname_hi xsi:type="xsd:string">वित्तीय साक्षरता</fullname_hi>
      <fullname_ru xsi:type="xsd:string">Ф и н а н с о в а я
Г р а м о т н о с т ь</fullname_ru>
      <fullname_pt xsi:type="xsd:string">Alfabetização Financeira</fullname_pt>
      <fullname_de xsi:type="xsd:string">Finanzielle
Allgemeinbildung</fullname_de>
      <fullname_it xsi:type="xsd:string">Alfabetizzazione
finanziaria</fullname_it>
      <fullname_ku xsi:type="xsd:string">Financial Literacy</fullname_ku>
      <headline xsi:type="xsd:string">Manage your money effectively by learning
how to budget and save</headline>
      <summary xsi:type="xsd:string"> -- summary text -- </summary>
      <summary_ar xsi:type="xsd:string"> -- summary text -- </summary_ar>
      <summary_he xsi:type="xsd:string"> -- summary text -- </summary_he>
```



```
<summary_es xsi:type="xsd:string"> -- summary text -- </summary_es>
<summary_fr xsi:type="xsd:string"> -- summary text -- </summary_fr>
<summary_cn xsi:type="xsd:string"> -- summary text -- </summary_cn>
<summary_ur xsi:type="xsd:string"> -- summary text -- </summary_ur>
<summary_hi xsi:type="xsd:string"> -- summary text -- </summary_hi>
<summary_ru xsi:type="xsd:string"> -- summary text -- </summary_ru>
<summary_pt xsi:type="xsd:string"> -- summary text -- </summary_pt>
<summary_de xsi:type="xsd:string"> -- summary text -- </summary_de>
<summary_it xsi:type="xsd:string"> -- summary text -- </summary_it>
<summary_ku xsi:type="xsd:string"> -- summary text -- </summary_ku>
<image
xsi:type="xsd:string">https://cdn.alison.com/images/crs/2/7/Alison_CoursewareIntro_7.jpg
</image>
  <courselink
xsi:type="xsd:string">https://alison.com/login/external.php?idcourse=Financial-Literacy<
/courselink>
  </item>
  ...
</return>
</ns1:getAvailableCoursesResponse>
```

Failure - Error Messages

The Alison API will return SOAP error responses for a number of scenarios.



getCoursesByLanguage Call

The purpose of this call is to provide the client with a list of all available courses in a particular language. Should a course be temporarily unavailable from the Alison platform – for editing or other reasons – the course will not be returned by the API.

Sample SOAP message (send to Alison API)

```
<q1:getCoursesByLanguage xmlns:q1="urn:alisonwsdl">
  <language xsi:type="xsd:string">[LANGUAGE]</language>
</q1:getCoursesByLanguage>
```

The field highlighted above refers to the following value:

Field	Value expected
Language	Two-letter language code e.g. en, ar

Success

If the message is received and correctly formatted, Alison API will return a list of courses that are available to the client who is making the call.

```
<ns1:getCoursesByLanguageResponse xmlns:ns1="http://tempuri.org">
  <return xsi:type="SOAP-ENC:Array" SOAP-ENC:arrayType="tns:courses[10]">
    <item xsi:type="tns:courses">
      <id xsi:type="xsd:int">7</id>
      <category xsi:type="xsd:int">2</category>
      <categoryname xsi:type="xsd:string"> Financial & Economic
Literacy</categoryname>
      <release_date xsi:type="xsd:string">25 February 2011</release_date>
      <fullname xsi:type="xsd:string">Financial Literacy</fullname>
      <fullname_ar xsi:type="xsd:string">محو الأمية المالية</fullname_ar>
      <fullname_he xsi:type="xsd:string">אוריינות פיננסית</fullname_he>
      <fullname_es xsi:type="xsd:string">Cultura financiera</fullname_es>
      <fullname_fr xsi:type="xsd:string">Littératie financière</fullname_fr>
      <fullname_cn xsi:type="xsd:string">金融扫盲</fullname_cn>
      <fullname_ur xsi:type="xsd:string">مالیاتی خواندگی</fullname_ur>
      <fullname_hi xsi:type="xsd:string">वित्तीय साक्षरता</fullname_hi>
      <fullname_ru xsi:type="xsd:string">Ф и н а н с о в а я
Г р а м о т н о с т ь</fullname_ru>
      <fullname_pt xsi:type="xsd:string">Alfabetização Financeira</fullname_pt>
      <fullname_de xsi:type="xsd:string">Finanzielle
Allgemeinbildung</fullname_de>
      <fullname_it xsi:type="xsd:string">Alfabetizzazione
finanziaria</fullname_it>
      <fullname_ku xsi:type="xsd:string">Financial Literacy</fullname_ku>
      <headline xsi:type="xsd:string">Manage your money effectively by learning
how to budget and save</headline>
      <summary xsi:type="xsd:string"> -- summary text -- </summary>
      <summary_ar xsi:type="xsd:string"> -- summary text -- </summary_ar>
      <summary_he xsi:type="xsd:string"> -- summary text -- </summary_he>
      <summary_es xsi:type="xsd:string"> -- summary text -- </summary_es>
```



```
<summary_fr xsi:type="xsd:string"> -- summary text -- </summary_fr>
<summary_cn xsi:type="xsd:string"> -- summary text -- </summary_cn>
<summary_ur xsi:type="xsd:string"> -- summary text -- </summary_ur>
<summary_hi xsi:type="xsd:string"> -- summary text -- </summary_hi>
<summary_ru xsi:type="xsd:string"> -- summary text -- </summary_ru>
<summary_pt xsi:type="xsd:string"> -- summary text -- </summary_pt>
<summary_de xsi:type="xsd:string"> -- summary text -- </summary_de>
<summary_it xsi:type="xsd:string"> -- summary text -- </summary_it>
<summary_ku xsi:type="xsd:string"> -- summary text -- </summary_ku>
<image
xsi:type="xsd:string">https://cdn.alison.com/images/crs/2/7/Alison_CoursewareIntro_7.jpg
</image>
  <courselink
xsi:type="xsd:string">https://alison.com/login/external.php?idcourse=Financial-Literacy<
/courselink>
  </item>
  ...
</return>
</ns1:getCoursesByLanguageResponse>
```

Failure - Error Messages

The Alison API will return SOAP error responses for a number of scenarios.



getCoursesByCategory Call

The purpose of this call is to provide the client with a list of all available courses in a particular category. Should a course be temporarily unavailable from the Alison platform – for editing or other reasons – the course will not be returned by the API.

Sample SOAP message (send to Alison API)

```
<q1:getCoursesByCategory xmlns:q1="urn:alisonwsdl">
  <categoryid xsi:type="xsd:int">[CATEGORY ID]</categoryid>
</q1:getCoursesByCategory>
```

The field highlighted above refers to the following value:

Field	Value expected
Category ID	The integer ID of the category whose courses you wish to retrieve.

Success

If the message is received and correctly formatted, Alison API will return a list of courses that are available to the client who is making the call.

```
<ns1:getCoursesByCategoryResponse xmlns:ns1="http://tempuri.org">
  <return xsi:type="SOAP-ENC:Array" SOAP-ENC:arrayType="tns:courses[10]">
    <item xsi:type="tns:courses">
      <id xsi:type="xsd:int">7</id>
      <category xsi:type="xsd:int">2</category>
      <categoryname xsi:type="xsd:string"> Financial & Economic
Literacy</categoryname>
      <release_date xsi:type="xsd:string">25 February 2011</release_date>
      <fullname xsi:type="xsd:string">Financial Literacy</fullname>
      <fullname_ar xsi:type="xsd:string">محو الأمية المالية</fullname_ar>
      <fullname_he xsi:type="xsd:string">אוריינות פיננסית</fullname_he>
      <fullname_es xsi:type="xsd:string">Cultura financiera</fullname_es>
      <fullname_fr xsi:type="xsd:string">Littérature financière</fullname_fr>
      <fullname_cn xsi:type="xsd:string">金融扫盲</fullname_cn>
      <fullname_ur xsi:type="xsd:string">مالیاتی خواندگی</fullname_ur>
      <fullname_hi xsi:type="xsd:string">वित्तीय साक्षरता</fullname_hi>
      <fullname_ru xsi:type="xsd:string">Ф и н а н с о в а я
Г р а м о т н о с т ь</fullname_ru>
      <fullname_pt xsi:type="xsd:string">Alfabetização Financeira</fullname_pt>
      <fullname_de xsi:type="xsd:string">Finanzielle
Allgemeinbildung</fullname_de>
      <fullname_it xsi:type="xsd:string">Alfabetizzazione
finanziaria</fullname_it>
      <fullname_ku xsi:type="xsd:string">Financial Literacy</fullname_ku>
      <headline xsi:type="xsd:string">Manage your money effectively by learning
how to budget and save</headline>
      <summary xsi:type="xsd:string"> -- summary text -- </summary>
      <summary_ar xsi:type="xsd:string"> -- summary text -- </summary_ar>
      <summary_he xsi:type="xsd:string"> -- summary text -- </summary_he>
      <summary_es xsi:type="xsd:string"> -- summary text -- </summary_es>
```



```
<summary_fr xsi:type="xsd:string"> -- summary text -- </summary_fr>
<summary_cn xsi:type="xsd:string"> -- summary text -- </summary_cn>
<summary_ur xsi:type="xsd:string"> -- summary text -- </summary_ur>
<summary_hi xsi:type="xsd:string"> -- summary text -- </summary_hi>
<summary_ru xsi:type="xsd:string"> -- summary text -- </summary_ru>
<summary_pt xsi:type="xsd:string"> -- summary text -- </summary_pt>
<summary_de xsi:type="xsd:string"> -- summary text -- </summary_de>
<summary_it xsi:type="xsd:string"> -- summary text -- </summary_it>
<summary_ku xsi:type="xsd:string"> -- summary text -- </summary_ku>
<image
xsi:type="xsd:string">https://cdn.alison.com/images/crs/2/7/Alison_CoursewareIntro_7.jpg
</image>
  <courselink
xsi:type="xsd:string">https://alison.com/login/external.php?idcourse=Financial-Literacy<
/courselink>
  </item>
  ...

</return>
</ns1:getCoursesByCategoryResponse>
```

Failure - Error Messages

The Alison API will return SOAP error responses for a number of scenarios.



getCourse Call

The purpose of this call is to return a course to a client. Should a course be temporarily unavailable from the Alison platform – for editing or other reasons – the course will not be returned by the API.

Sample SOAP message (send to Alison API)

```
<q1:getCourse xmlns:q1="urn:alisonwsdl">
  <courseid xsi:type="xsd:int">[COURSE ID]</courseid>
</q1:getCourse>
```

The field highlighted above refers to the following value:

Field	Value expected
Course ID	The integer ID of the course whose information you wish to retrieve.

Success

If the message is received and correctly formatted, Alison API will return a specific course that is available to the client who is making the call.

```
<ns1:getCourseResponse xmlns:ns1="http://tempuri.org">
  <return xsi:type="SOAP-ENC:Array" SOAP-ENC:arrayType="tns:courses[1]">
    <item xsi:type="tns:courses">
      <id xsi:type="xsd:int">601</id>
      <category xsi:type="xsd:int">9</category>
      <categoryname xsi:type="xsd:string"> Business and Enterprise
Skills</categoryname>
      <fullname xsi:type="xsd:string">Completing the Accounting Cycle</fullname>
      <fullname_ar xsi:type="xsd:string">Completing the Accounting
Cycle</fullname_ar>
      <fullname_he xsi:type="xsd:string">Completing the Accounting
Cycle</fullname_he>
      <fullname_es xsi:type="xsd:string">Completing the Accounting
Cycle</fullname_es>
      <fullname_fr xsi:type="xsd:string">Completing the Accounting
Cycle</fullname_fr>
      <fullname_cn xsi:type="xsd:string">完成会计循环</fullname_cn>
      <fullname_ur xsi:type="xsd:string">اکاؤنٹنگ چکر مکمل کر رہا ہے</fullname_ur>
      <fullname_hi xsi:type="xsd:string"></fullname_hi>
      <fullname_ru xsi:type="xsd:string">З а в е р ш е н и е  ц и к л
о т ч е т н о с т и</fullname_ru>
      <fullname_pt xsi:type="xsd:string">Completando o ciclo de
contabilidade</fullname_pt>
      <fullname_de xsi:type="xsd:string">Abschluss Abrechnungszyklus</fullname_de>
      <fullname_it xsi:type="xsd:string">Completando il ciclo di
contabilità</fullname_it>
      <fullname_ku xsi:type="xsd:string">Completing the Accounting
Cycle</fullname_ku>
```



```
<headline xsi:type="xsd:string">Learn more about completing the accounting cycle.</headline>
<summary xsi:type="xsd:string"> -- summary text -- </summary>
<summary_ar xsi:type="xsd:string"> -- summary text -- </summary_ar>
<summary_he xsi:type="xsd:string"> -- summary text -- </summary_he>
<summary_es xsi:type="xsd:string"> -- summary text -- </summary_es>
<summary_fr xsi:type="xsd:string"> -- summary text -- </summary_fr>
<summary_cn xsi:type="xsd:string"> -- summary text -- </summary_cn>
<summary_ur xsi:type="xsd:string"> -- summary text -- </summary_ur>
<summary_hi xsi:type="xsd:string"> -- summary text -- </summary_hi>
<summary_ru xsi:type="xsd:string"> -- summary text -- </summary_ru>
<summary_pt xsi:type="xsd:string"> -- summary text -- </summary_pt>
<summary_de xsi:type="xsd:string"> -- summary text -- </summary_de>
<summary_it xsi:type="xsd:string"> -- summary text -- </summary_it>
<summary_ku xsi:type="xsd:string"> -- summary text -- </summary_ku>
<image
xsi:type="xsd:string">https://cdn.alison.com/images/crs/9/601/Alison_CoursewareIntro_601
.jpg</image>
  <courselink
xsi:type="xsd:string">https://alison.com/login/external.php?idcourse=Completing-the-Acco
unting-Cycle</courselink>
  </item>
</return>
</ns1:getCourseResponse>
```

Failure - Error Messages

The Alison API will return SOAP error responses for a number of scenarios.



getFirstAccess Call

The purpose of this call is to retrieve the first access time, in UTC timestamp format, for a given Alison user ID.

Sample SOAP message (send to Alison API)

```
<q1:getFirstAccess xmlns:q1="urn:alisonwsdl">  
  <userid xsi:type="xsd:int">[USER ID]</userid>  
</q1:getFirstAccess>
```

The field highlighted above refers to the following value:

Field	Value expected
User ID	The integer ID of the user whose first access time you wish to retrieve.

Success

If the message is received and correctly formatted, Alison API will return a specific UTC timestamp, e.g.

```
<ns1:getFirstAccessResponse xmlns:ns1="http://tempuri.org">  
  <return xsi:type="xsd:string">1467111638</return>  
</ns1:getFirstAccessResponse>
```

Failure - Error Messages

The Alison API will return SOAP error responses for a number of scenarios.



getLastAccess Call

The purpose of this call is to retrieve the last access time, in UTC timestamp format, for a given Alison user ID.

Sample SOAP message (send to Alison API)

```
<q1:getLastAccess xmlns:q1="urn:alisonwsdl">
  <userid xsi:type="xsd:int">[USER ID]</userid>
</q1:getLastAccess>
```

The field highlighted above refers to the following value:

Field	Value expected
User ID	The integer ID of the user whose last access time you wish to retrieve.

Success

If the message is received and correctly formatted, Alison API will return a specific UTC timestamp, e.g.

```
<ns1:getLastAccessResponse xmlns:ns1="http://tempuri.org">
  <return xsi:type="xsd:string">1467111152</return>
</ns1:getLastAccessResponse>
```

Failure - Error Messages

The Alison API will return SOAP error responses for a number of scenarios.



getDuration Call

The purpose of this call is to retrieve the total study duration, in *hh:mm:ss* format, for a given Alison user ID.

Sample SOAP message (send to Alison API)

```
<q1:getDuration xmlns:q1="urn:alisonwsdl">  
  <userid xsi:type="xsd:int">[USER ID]</userid>  
</q1:getDuration>
```

The field highlighted above refers to the following value:

Field	Value expected
User ID	The integer ID of the user whose total study duration you wish to retrieve.

Success

If the message is received and correctly formatted, Alison API will return a time duration in the format *hh:mm:ss*, e.g.

```
<ns1:getDurationResponse xmlns:ns1="http://tempuri.org">  
  <return xsi:type="xsd:string">42:08:22</return>  
</ns1:getDurationResponse>
```

Failure - Error Messages

The Alison API will return SOAP error responses for a number of scenarios.



getDurationPeriod Call

The purpose of this call is to retrieve the total study duration, in *hh:mm:ss* format, for a given Alison user ID and for a given time period.

Sample SOAP message (send to Alison API)

```
<q1:getDurationPeriod xmlns:q1="urn:alisonwsdl">  
  <userid xsi:type="xsd:int">[USER ID]</userid>  
  <from xsi:type="xsd:string">[FROM]</from>  
  <to xsi:type="xsd:string">[TO]</to>  
</q1:getDurationPeriod>
```

The fields highlighted above refer to the following value:

Field	Value expected
User ID	The integer ID of the user whose total study duration, for the given period, you wish to retrieve.
From	The from date, in the format <i>yyyy-mm-dd</i> , indicating the start of the period that you wish to retrieve.
To	The to date, in the format <i>yyyy-mm-dd</i> , indicating the end of the period that you wish to retrieve.

Success

If the message is received and correctly formatted, Alison API will return a time duration in the format *hh:mm:ss*, e.g.

```
<ns1:getDurationPeriodResponse xmlns:ns1="http://tempuri.org">  
  <return xsi:type="xsd:string">12:48:18</return>  
</ns1:getDurationPeriodResponse>
```

Failure - Error Messages

The Alison API will return SOAP error responses for a number of scenarios.



getMyCourses Call

The purpose of this call is to retrieve information for courses on which the given user is enrolled.

Sample SOAP message (send to Alison API)

```
<q1:getMyCourses xmlns:q1="urn:alisonwsdl">
  <userid xsi:type="xsd:int">[USER ID]</userid>
</q1:getMyCourses>
```

The field highlighted above refers to the following value:

Field	Value expected
User ID	The integer ID of the user whose course information you wish to retrieve.

Success

If the message is received and correctly formatted, Alison API will return *course name* and *course link* for each retrieved course.

```
<ns1:getMyCoursesResponse xmlns:ns1="http://tempuri.org">
  <return xsi:type="SOAP-ENC:Array" SOAP-ENC:arrayType="tns:courses[58]">
    <item xsi:type="tns:courses">
      <courseName xsi:type="xsd:string">Sample Videos &ndash; Cultural Course
and Language Course</courseName>
      <courseLink
xsi:type="xsd:string">https://alison.com/login/external.php?idcourse=sample-videos-cultu
ral-course-and-language-course-v4</courseLink>
    </item>
    ...
  </return>
</ns1:getMyCoursesResponse>
```

Failure - Error Messages

The Alison API will return SOAP error responses for a number of scenarios.



getMyCoursesDetailed Call

The purpose of this call is to retrieve detailed information for courses on which the given user is enrolled.

Sample SOAP message (send to Alison API)

```
<q1:getMyCoursesDetailed xmlns:q1="urn:alisonwsdl">
  <userid xsi:type="xsd:int">[USER ID]</userid>
</q1:getMyCoursesDetailed>
```

The field highlighted above refers to the following value:

Field	Value expected
User ID	The integer ID of the user whose course information you wish to retrieve.

Success

If the message is received and correctly formatted, Alison API will return *coursename*, *courselink*, *coursestate*, *coursevalue*, *scores*, *firstaccess*, *lastaccess* & *totaltimespent* for each retrieved course.

```
<ns1:getMyCoursesDetailedResponse xmlns:ns1="http://tempuri.org">
  <return xsi:type="SOAP-ENC:Array" SOAP-ENC:arrayType="tns:courses[58]">
    <item xsi:type="tns:courses">
      <coursename xsi:type="xsd:string">Zika Virus - What You Need To
Know</coursename>
      <courselink
xsi:type="xsd:string">https://alison.com/login/external.php?idcourse=zika-virus</courselink
ink>
      <coursestate xsi:type="xsd:string">100% completed</coursestate>
      <coursevalue xsi:type="xsd:string">0% Quizes</coursevalue>
      <scores xsi:type="xsd:string">Module 2: Zika Virus Assessment Zika Virus
Assessment: 0
Module 1: Zika Virus - What You Need To Know Learning Outcomes: 0
Module 1: Zika Virus - What You Need To Know Zika Virus - What You Need to Know: 0
Module 1: Zika Virus - What You Need To Know Information for Health Care Providers: 0
Module 1: Zika Virus - What You Need To Know Key Questions for Pregnant Women: 0
Module 1: Zika Virus - What You Need To Know Lesson Summary: 0</scores>
      <firstaccess xsi:type="xsd:string">1454348338</firstaccess>
      <lastaccess xsi:type="xsd:string">1455115688</lastaccess>
      <totaltimespent xsi:type="xsd:string">1:00:00</totaltimespent>
    </item>
    ...
  </return>
</ns1:getMyCoursesDetailedResponse>
```

Failure - Error Messages

The Alison API will return SOAP error responses for a number of scenarios.

