Course API

Version 1.3

Jobg8 Limited

Document Version History

Date	Version	Description	Author
4th July 2016	1.0	Initial Version	Brad O'Connor
29th July 2016	1.1	Added Summary function	Brad O'Connor
16th Aug 2016	1.2	Added discount price	Brad O'Connor
3rd Oct 2016	1.3	Added 403 HTTP status code failure message	Brad O'Connor

1. Contents

2. Overview

This course API provides real time search and enquiry functionality for courses within the Jobg8 network.

The API has been designed with two purposes in mind.
1. If you are also using our iframe course solution you may want to call the API to display links to your iframe across other parts of your website. E.g. featured courses advertising banner content to be displayed alongside a job search page results, displaying associated courses to the job search.
2. If you wish to call the course content and run your own search and display function. The course content typically works on a Pay Per Lead basis so it is important that when you display search results that you then also display the full description and course enquiry form.
   Each time a prospective student/candidate completes an Enquiry Form this triggers a financial settlement.

This is a technical document and assumes the reader has a working knowledge of APIs and XML. Additional response details could be added in the future, therefore it's recommended that you allow for this.

This API should always be available, but it is recommended any implementation handles the eventuality that the API is unavailable or a failure message is returned.

Please note: It is important that you do not collect and store the course content gathered from the API. The content will change on a daily basis and it is important that the course details are always up to date. This is also restricted within our Terms of Business.

3. Course API

The URI for the course API is:
http://www.jobg8.com/CourseAPI.aspx

This API exposes the following functionality:
- Search for courses
- Get full details of a course
- Get a summary of courses available

To use the API you will be provided with a unique access key.

3.1 Failure Messages

A failure message will be returned if an issue is encountered calling the API. A HTTP status code is returned along with a plain text message.

List of possible failures:

HTTP Status Code	Message
401	The id provided failed authentication
400	Missing querystring parameter: {0}
400	Invalid value for querystring parameter: {0}
400	1 or more of the following parameters is required: query, type, subject
403	Forbidden
503	Service currently unavailable, please try again later

3.2 Required Parameters

These parameters are required for all calls to the API:

Name	Description	Required
id	Your unique account identifier for accessing the API.	Yes
op	Indicates the function to be performed. Values are "search", "course", "summary".	Yes
ipaddress	The IP v4 address and user agent (browser) of the user. User data is	Yes
useragent	required to detect and protect against excessive API calls from automatic processes such as robots. In the eventuality such a call is detected a 403 HTTP status code (forbidden) is returned.	Yes

3.3 Search

3.3.1 Parameters

Name	Description	Required
query	The course search query.	A minimum of one of these parameters is required
type	The course type. Values are: "Online", "Classroom", "DistanceLearning", "Software", "OnSite".	
subject	The course subject. A subject ID is expected. Appendix A lists all subjects and associated sub subjects.	
subsubject	The course sub subject. A sub subject ID is expected. When a sub subject is supplied the subject parameter is ignored. Appendix A lists all subjects and associated sub subjects	
location	Comma separated free text location. Only applies to Classroom type courses. E.g. Colchester, Essex, UK.	No
range	The search range from the location In kilometres. Default value is 10 km and the maximum value is 1000 km.	No
results	The maximum number of results returned per page. Default is 10 and the maximum value is 50.	No
page	The results page to return. Default is 1.	No

E.g.
*http://www.jobg8.com/CourseAPI.aspx?id=XXX&op=search&ipaddress=1.2.3.4&useragent=
Mozilla/5.0 (compatible; MSIE 10.0; Windows NT 6.1;
Trident/6.0)&query=developer&subject=18&type=online&results=10*

3.3.2 XML Response

Element	Description
CourseID	The unique course identifier.
Title	The title of the course.
Overview	The course overview, trimmed to 400 characters. Any HTML will be XML encoded.
Subject	The course subject. Text value returned, e.g. "Accountancy and Finance".
SubSubject	The course sub subject. Text value returned, e.g. "Bookkeeping"
CourseType	The course type. One of the values is returned: "Online", "Classroom", "DistanceLearning", "Software", "OnSite".
CourseLevel	The level of course. One or more of the values is returned: "Beginner", "Intermediate", "Advanced".
StudyMode	The study mode of course. One or more of the values is returned: "Full time", "Part time".
Price	The price of the course including the currency symbol. If this value is empty then there is no pricing information available for the course.
DiscountPrice	The discounted price of the course. If there is a discount price the price element will contain value.
Location	The location(s) of the course. Only contains values for Classroom courses.
EnquiryURL	The URL to redirect the lead to.

EnquiryType	The type of enquiry. One of the values is returned: "Form", "Traffic". Form indicates the URL is a link to a Jobg8 enquiry form. Traffic indicates the URL is a link to the course on a third party site.
ProviderName	The name of the course provider.
ProviderLogoURL	The Logo URL of the course provider.

E.g.

```
<SearchResults>
  <TotalResults>1</TotalResults>
  <Course>
    <CourseID>2107</CourseID>
    <Title>Web Design Starter Library</Title>
    <Overview>
        Combining these sets of courses will ensure that you are ready to start building and maintain
        websites, adding to your portfolio and setting you on your path to a career as a Web Designer.
    </Overview>
    <Subject>IT</Subject>
    <SubSubject>Web Design</SubSubject>
    <CourseType>Online</CourseType>
    <CourseLevel>Beginner,Intermediate</CourseLevel>
    <StudyMode>Part time</StudyMode>
    <Price>£250.00</Price>
    <DiscountPrice>£100.00</DiscountPrice>
    <Location/>
    <EnquiryURL>
        http://www.jobg8.com/CourseEnquiry.aspx?ic2OtbB8XWrWb0BH8RDSCAb
    </EnquiryURL>
    <EnquiryType>Form</EnquiryType>
    <ProviderName>123 Courses</ProviderName>
    <ProviderLogoURL>
        http://www.jobg8.com/WebsiteFiles/courseproviderlogos/cpl_1094.png
    </ProviderLogoURL>
  </Course>
</SearchResults>
```

If no search results are found the following XML is returned:

```
<SearchResults>
  <TotalResults>0</TotalResults>
</SearchResults>
```

3.4 Course

Returns the full course details.

3.4.1 Parameters

Name	Description	Required
courseid	The unique course identifier.	Yes

E.g.
http://www.jobg8.com/CourseAPI.aspx?id=XXX&op=course&ipaddress=1.2.3.4&useragent= Mozilla/5.0 (compatible; MSIE 10.0; Windows NT 6.1; Trident/6.0)&courseid=4

3.4.2 XML Response

Element	Description
CourseID	The unique course identifier.
Status	The status of the job. One of the values is returned: "1", "2". Status 1 courses are live courses and status 2 courses are expired courses.
Title	The title of the course.
Overview	The full course overview. Any HTML will be XML encoded.
Description	The full course description. Any HTML will be XML encoded.
Subject	The course subject. Text value returned, e.g. "Accountancy and Finance".
SubSubject	The course sub subject. Text value returned, e.g. "Bookkeeping"
CourseType	The course type. One of the values is returned: "Online", "Classroom", "DistanceLearning", "Software", "OnSite".
CourseLevel	The level of course. One or more of the values is returned: "Beginner", "Intermediate", "Advanced".
StudyMode	The study mode of course. One or more of the values is returned: "Full time", "Part time".
Price	The price of the course including the currency symbol. If this value is empty then there is no pricing information available for the course.
DiscountPrice	The discounted price of the course. The price element will always contain a value if there is a discounted price.
Location	The location(s) of the course. Only contains values for Classroom courses.
EnquiryURL	The URL to redirect the lead to.
EnquiryType	The type of enquiry. One of the values is returned: "Form", "Traffic". Form indicates the URL is a link to a Jobg8 enquiry form. Traffic indicates the URL is a link to the course on a third party site.
ProviderName	The name of the course provider.
ProviderLogoURL	The Logo URL of the course provider.

E.g.

```
<CourseDetails>
  <CourseID>2107</CourseID>
  <Status>1</Status>
  <Title>Web Design Starter Library</Title>
  <Overview>
        Combining these sets of courses will ensure that you are ready to start building and maintain
        websites, adding to your portfolio and setting you on your path to a career as a Web Designer.
  </Overview>
  <Description>
        Combining these sets of courses will ensure that you are ready to start building and maintain
        websites, adding to your portfolio and setting you on your path to a career as a Web Designer.
  </Description>
  <Subject>IT</Subject>
  <SubSubject>Web Design</SubSubject>
  <CourseType>Online</CourseType>
  <CourseLevel>Beginner,Intermediate</CourseLevel>
  <StudyMode>Part time</StudyMode>
  <Price>£250.00</Price>
  <DiscountPrice>£100.00</DiscountPrice>
  <Location/>
  <EnquiryURL>
        http://www.jobg8.com/CourseEnquiry.aspx?ic2OtbB8XWrWb0BH8RDSCAb
  </EnquiryURL>
  <EnquiryType>Form</EnquiryType>
  <ProviderName>123 Courses</ProviderName>
  <ProviderLogoURL>
        http://www.jobg8.com/WebsiteFiles/courseproviderlogos/cpl_1094.png
  </ProviderLogoURL>
</CourseDetails>
```

If the course ID does not exist the following XML is returned:

```
<CourseDetails>
  <CourseID>0</CourseID>
</CourseDetails>
```

3.5 Summary

Returns a summary of courses available.

3.5.1 Parameters

There are no additional parameters required for the summary.

E.g.
http://www.jobg8.com/CourseAPI.aspx?id=XXX&op=summary&ipaddress=1.2.3.4&useragent=Mozilla/5.0 (compatible; MSIE 10.0; Windows NT 6.1; Trident/6.0)

3.5.2 XML Response

Element	Description
ID	The ID of the subject or sub subject
Name	The name of the subject or sub subject
Count	The number of courses in the subject or sub subject

E.g.

```
<Summary>
  <Subject>
    <ID>13</ID>
    <Name>Business and Management</Name>
    <Count>1</Count>
    <SubSubject>
      <ID>56</ID>
      <Name>Project Management</Name>
      <Count>1</Count>
    </SubSubject>
  </Subject>
</Summary>
```

4. Appendix A

List of course subjects and associated sub subjects:

Subject ID	Subject Name	Sub Subject ID	Sub Subject Name
11	Accountancy and Finance	28	Accounting
		29	Banking and Investment
		30	Bookkeeping
		31	Compliance and Regulatory
		32	Credit Analysis and Control
		33	Financial Analysis
		34	Financial Management
		35	Other
		36	Payroll and Taxes
12	Admin and Secretarial	37	Administration
		38	General Office Skills
		39	Keyboard Skills and Touch Typing
		40	Microsoft Office
		41	Other
		42	PA
		43	Receptionist
		44	Secretarial and Shorthand
13	Business and Management	45	Business
		46	Business Administration
		47	Business Analysis
		48	Customer Service
		49	HR Training
		50	Legal
		51	Management
		52	Marketing
		53	Other
		54	Performance Management
		55	Personal Development
		56	Project Management
		57	Purchasing
		58	Retail Management
		59	Risk Management
		60	Sales
		61	Time Management
14	Energy	62	Energy Assessment
		63	Management
		64	Nuclear
		65	Oil and Gas
		66	Operations
		67	Other
		68	Renewable Energy
		69	Utilities
15	Fashion and Beauty	70	Beauty
		71	Cosmetic and Make Up
		72	Fashion
		73	Hairdressing
		74	Nail Technician
		75	Natural Therapies
		76	Other
16	Health and Care	77	Animal Care
		78	Child Care
		79	Counselling
		80	Mental Health
		81	Nursing
		82	Other
		83	Physiotherapy
		84	Psychology
		85	Social Care
		86	Stress Management
17	Health and Safety	87	First Aid
		88	Other
		89	Public Health
		90	Site Safety Plus
18	IT	91	Database

		92	Graphic Design
		93	IT Office Skills
		94	IT Security
		95	Networking
		96	Other
		97	Project Management
		98	Service Helpdesk and Technical Support
		99	Web Design
		100	Web Development
19	Languages	101	Arabic
		102	Chinese
		103	Dutch
		104	English
		105	French
		106	German
		107	Greek
		108	Hebrew
		109	Hindi
		110	Irish
		111	Italian
		112	Japanese
		113	Other
		114	Polish
		115	Portuguese
		116	Russian
		117	Spanish
		118	Swedish
		119	Turkish
20	Manufacturing	120	Operations
		121	Other
		122	Supply Chain Management
		123	Transport and Logistics
21	Media and Design	124	Advertising
		125	Creative Writing
		126	Digital Marketing
		127	Digital Media
		128	Digital Photography
		129	Graphic Design
		130	Interior Design
		131	Media
		132	Other
		133	Social Media
		134	Web Design
22	Other	135	Other
23	Recreational	136	Arts and Crafts
		137	Cookery
		138	Cultural Interest
		139	Other
24	Sports and Fitness	140	Fitness Instructor
		141	Nutrition
		142	Other
		143	Personal Trainer
		144	Sports
		145	Sports Massage
		146	Sports Psychology
25	Teaching	147	Education
		148	Initial Teacher
		149	Other
		150	Primary Teacher
		151	Teaching Assistant
26	Trades	152	Construction
		153	Electrician
		154	Gardening
		155	Other
		156	Plumber
27	Travel and Tourism	157	Catering
		158	Events Management
		159	Hospitality
		160	Hotel Management
		161	Other
		162	Travel and Tourism