# The Common Resume API

## Version 1.0

## Author: Frank A. Cipollone & Ted J. Cogan

## Date: April 12, 2015

# Overview

All API calls documented here consist of an HTTP method and a relative path; the path is relative to a configurable base URL.

# Requests

Unless otherwise noted, all API calls receive requests in the form of JSON.

In general, the backend will balk if it receives unexpected parameters, so take care to send only the documented parameters and nothing else. All documented parameters are always required to be present unless otherwise noted

# Responses

All responses, unless otherwise noted, are either formatted in JSON, whose MIME type is application/json, or HTML. Since JSON is typed, this documentation specifies the **TYPE** of each returned parameter, along with other notes.

JSON natively includes the types String, Number, Boolean, Array, Object as well as the singleton value null. In addition, this document uses *Integer* to refer to whole Numbers, *Datetime String* to refer to String values consisting of an absolute timestamp in the web-standard format [ISO 8601](http://en.wikipedia.org/wiki/ISO_8601), and *Money String* to refer to String values consisting of an unformatted representation of a floating point value.

All JSON responses include the errors array, which is the APIs mechanism for reporting errors.

|  |  |  |
| --- | --- | --- |
| **PARAMETER** | **DESCRIPTION** | **TYPE** |
| **errors** | A list of errors. This list is empty if and only if there were no errors in processing the request. Note that an array is always given; this member is never null or undefined. | Array of error objects (see **Error Object** below) |

**Error Object**

|  |  |  |
| --- | --- | --- |
| **PARAMETER** | **DESCRIPTION** | **TYPE** |
| **code** | The error code. | Integer |
| **message** | The error message. | String |

# Resource overview

/login – GET the html of the login page

/applicants/

/applicants/{appID}

/employers/

/employers/{empID}

/appContactInfo

/appContactInfo/{appID}

/empContactInfo

/empContactInfo/{empID}

/school/

/school/{schoolID}

/work/

/work/{workID}

/jobs/

/jobs/{jobID}

/applied/

/applied/{appliedID}

/applicants/

/applicants/{appID}

|  |  |
| --- | --- |
| **Action** | **Description** |
| GET /applicants/{appID} | Get applicant information, or the html of the main applicant’s page |
| GET /applicants/ | Get list of applicants |
| POST /applicants | Create a new applicant   * Response body returned on **200 OK**. See below. |
| PUT /applicants/{appID} | Edit an existing applicant   * Response body returned on **200 OK**. See below. |
| DELETE /applicants/{appID} | Delete an existing applicant   * Response body returned on **200 OK**. See below. |

*Data Model:*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Description** | **Type/Format** | **Required** |
| appID | System-defined unique Customer identifier | Integer | Y |
| name | Full name | String, up to 45 characters | Y |
| phone | Example: “1234567890” | String, up to 20 numeric characters | Y |
| password | Hash using SHA-512 is stored, never full password | String, up to 45 characters | Y |
| email | Email, which is also username for login | String, e-mail format, up to 45 characters | Y |

*JSON Form:*

{

name

phone

email

password

}

*POST, PUT Response:*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Description** | **Type/Format** | **Required** |
| appID | Generated by the API during POST. | String |  |

*Error Messages:*

|  |  |
| --- | --- |
| **Code** | **Text** |
| 6000 | Applicant Already Exists |
| 6001 | Applicant Does Not Exist |

/employers/

/employers/{empID}

|  |  |
| --- | --- |
| **Action** | **Description** |
| GET /employers/{empID} | Get employer information, or the html of the main employer website |
| GET /employers | Get list of employers |
| PUT /employers/{empID} | Update an employer   * Response body returned on **200 OK**. See below. |
| POST /employers | Add an employer  Response body returned on **200 OK**. See below. |
| DELETE /employers/{empID} | Delete an employer   * Response body returned on **200 OK**. See below. |

*Data Model:*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Description** | **Type/Format** | **Required** |
| empID | System-defined unique Customer identifier | Integer | Y |
| name | Full name | String, up to 45 characters | Y |
| phone | Example: “1234567890” | String, up to 20 numeric characters | Y |
| password | Hash using SHA-512 is stored, never full password | String, up to 45 characters | Y |
| email | Email, which is also username for login | String, e-mail format, up to 45 characters | Y |

*JSON Form:*

{

name

phone

password

email

}

*POST, PUT Response:*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Description** | **Type/Format** | **Required** |
| empID | Generated by the API during PUT, POST. | String |  |

*Error Messages:*

|  |  |
| --- | --- |
| **Code** | **Text** |
| 6000 | Employer Already Exists |
| 6001 | Employer Does Not Exist |

/applicantInfo/

/applicantInfo/{appID}

|  |  |
| --- | --- |
| **Action** | **Description** |
| GET /applicantInfo/{appID} | Get applicant information |
| PUT /applicantInfo/{appID} | Update the applicant information   * Response body returned on **200 OK**. See below. |
| POST /applicantInfo | Add an applicant information  Response body returned on **200 OK**. See below. |
| DELETE /applicantInfo/{appID} | Delete an applicants information   * Response body returned on **200 OK**. See below. |

*Data Model:*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Description** | **Type/Format** | **Required** |
| appID | System-defined unique Applicant identifier | Integer | Y |
| address | Applicants address | String, up to 100 characters | Y |
| phone | Example: “1234567890” | String, up to 20 numeric characters | Y |
| city | City the applicant lives in | String, up to 45 characters | Y |
| state | State the applicant lives in | String, up to 45 characters | Y |
| zip | Email, which is also username for login | String, e-mail format, up to 45 characters | Y |

*JSON Form:*

{

address

phone

city

state

zip

}

*POST, PUT Response:*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Description** | **Type/Format** | **Required** |
| appID | Generated by the API during PUT, POST. | String |  |

*Error Messages:*

|  |  |
| --- | --- |
| **Code** | **Text** |
| 6000 | Application Info Already Exists |
| 6001 | Application Info Does Not Exist |

/employerInfo/

/employerInfo/{empID}

|  |  |
| --- | --- |
| **Action** | **Description** |
| GET /employerInfo/{empID} | Get employer information |
| PUT /employerInfo/{empID} | Update an employers information   * Response body returned on **200 OK**. See below. |
| POST /employerInfo | Add an employers information  Response body returned on **200 OK**. See below. |
| DELETE /employerInfo/{empID} | Delete an employers information   * Response body returned on **200 OK**. See below. |

*Data Model:*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Description** | **Type/Format** | **Required** |
| empID | System-defined unique Employer identifier | Integer | Y |
| address | Applicants address | String, up to 100 characters | Y |
| phone | Example: “1234567890” | String, up to 20 numeric characters | Y |
| city | City the applicant lives in | String, up to 45 characters | Y |
| state | State the applicant lives in | String, up to 45 characters | Y |
| website | Website of the company | String, up to 200 characters | Y |
| zip | Email, which is also username for login | String, e-mail format, up to 45 characters | Y |

*JSON Form:*

{

address

phone

city

state

zip

website

}

*POST, PUT Response:*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Description** | **Type/Format** | **Required** |
| empID | Generated by the API during PUT, POST. | String |  |

*Error Messages:*

|  |  |
| --- | --- |
| **Code** | **Text** |
| 6000 | Employer Info Already Exists |
| 6001 | Employer Info Does Not Exist |

/schools/

/schools/{schoolID}

|  |  |
| --- | --- |
| **Action** | **Description** |
| GET /schools/{schoolID} | Get school information |
| POST /schools | Create a new school entry   * Response body returned on **200 OK**. See below. |
| PUT /schools/{schoolID} | Edit an existing school   * Response body returned on **200 OK**. See below. |
| DELETE /schools/{shoolID} | Delete an existing school   * Response body returned on **200 OK**. See below. |

*Data Model:*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Description** | **Type/Format** | **Required** |
| schoolID | System-defined unique School identifier | Integer | Y |
| name | Full name | String, up to 100 characters | Y |
| city | City of the school | String, up to 20 numeric characters | Y |
| state | State of the school | String, up to 20 characters | Y |
| degree | Degree gotten from the school | String, up to 100 characters | Y |
| GPA | GPA of student | String, up to 5 characters | Y |
| Grad Date | Graduation Date | String, up to 25 characters | Y |
| major | Email, which is also username for login | String, e-mail format, up to 45 characters | Y |

*JSON Form:*

{

name

city

state

degree

GPA

Grad\_date

major

}

*POST, PUT Response:*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Description** | **Type/Format** | **Required** |
| schoolID | Generated by the API during POST. | String |  |

*Error Messages:*

|  |  |
| --- | --- |
| **Code** | **Text** |
| 6000 | School entry Already Exists |
| 6001 | School entry Does Not Exist |

/work/

/work/{workID}

|  |  |
| --- | --- |
| **Action** | **Description** |
| GET /work/{workID} | Get information about work experience |
| POST /work | Create a new work experience   * Response body returned on **200 OK**. See below. |
| PUT /work/{workID} | Edit an existing work experience   * Response body returned on **200 OK**. See below. |
| DELETE /work/{workID} | Delete an existing work experience   * Response body returned on **200 OK**. See below. |

*Data Model:*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Description** | **Type/Format** | **Required** |
| workID | System-defined unique Work identifier | Integer | Y |
| position | Full name | String, up to 100 characters | Y |
| company | City of the school | String, up to 20 numeric characters | Y |
| Start date | State of the school | String, up to 20 characters | Y |
| End date | Degree gotten from the school | String, up to 100 characters | Y |
| description | GPA of student | String, up to 5 characters | Y |

*JSON Form:*

{

position

company

start\_date

end\_date

description

}

*POST, PUT Response:*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Description** | **Type/Format** | **Required** |
| workID | Generated by the API during POST. | String |  |

*Error Messages:*

|  |  |
| --- | --- |
| **Code** | **Text** |
| 6000 | School entry Already Exists |
| 6001 | School entry Does Not Exist |

/jobs/

/jobs/{jobID}

|  |  |
| --- | --- |
| **Action** | **Description** |
| GET /jobs/{jobID} | Get job information |
| POST /jobs | Create a new job entry   * Response body returned on **200 OK**. See below. |
| PUT /jobs/{jobID} | Edit an existing job   * Response body returned on **200 OK**. See below. |
| DELETE /jobs/{jobID} | Delete an existing job   * Response body returned on **200 OK**. See below. |

*Data Model:*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Description** | **Type/Format** | **Required** |
| jobID | System-defined unique Job identifier | Integer | Y |
| name | Full name | String, up to 100 characters | Y |
| description | City of the school | String, up to 400 numeric characters | Y |

*JSON Form:*

{

name

description

}

*POST, PUT Response:*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Description** | **Type/Format** | **Required** |
| jobID | Generated by the API during POST. | String |  |

*Error Messages:*

|  |  |
| --- | --- |
| **Code** | **Text** |
| 6000 | Job entry Already Exists |
| 6001 | Job entry Does Not Exist |

/applied/

/applied/{appliedID}

|  |  |
| --- | --- |
| **Action** | **Description** |
| GET /applied/{appliedID} | Get applied information |
| POST /applied | Create a new applied entry   * Response body returned on **200 OK**. See below. |
| PUT /applied/appliedID} | Edit an existing apllied entry   * Response body returned on **200 OK**. See below. |
| DELETE /applied/{appliedID} | Delete an existing applied entry   * Response body returned on **200 OK**. See below. |

*Data Model:*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Description** | **Type/Format** | **Required** |
| appliedID | System-defined unique Applied identifier | Integer | Y |
| appID | Foreign key Applicant Identifier | Integer | Y |
| jobID | Foreign key Job Identifier | Integer | Y |

*JSON Form:*

{

appID

jobID

}

*POST, PUT Response:*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Description** | **Type/Format** | **Required** |
| appliedID | Generated by the API during POST. | String |  |

*Error Messages:*

|  |  |
| --- | --- |
| **Code** | **Text** |
| 6000 | Applied entry Already Exists |
| 6001 | Applied entry Does Not Exist |