

SEOmozumé

An API written in PHP for serving resume data. The code allows for two formats for resume input data, JSON and CSV, but only CSV will be implemented for this exercise. The two options for output are XML and JSON. A .htaccess file will be used to provide URL rewriting. The output will contain an array of errors for any invalid requests or invalid resume data that is loaded.

Endpoints

- `http://www.chewplastic.com/seomozume/{format}/{section}/{subsection}/{bullet_id}`
 - format is either xml or json
 - section is option and may be one of: general, objective, technology, experience, education or references
 - subsection is optional and depends on which section you are viewing
 - bullet_id is optional and depends on which section/subsection you are viewing
- Examples calls:
 - <http://chewplastic.com/seomozume/xml>
 - <http://chewplastic.com/seomozume/xml/general>
 - <http://chewplastic.com/seomozume/xml/general/name>
 - <http://chewplastic.com/seomozume/xml/general/name/0>
 - <http://chewplastic.com/seomozume/xml/objective>
 - <http://chewplastic.com/seomozume/json>
 - <http://chewplastic.com/seomozume/json/experience/delivery.com>
 - <http://chewplastic.com/seomozume/json/experience/delivery.com/6> (invalid request, shows error)

Interfaces

- apiInterface
 - defines the interface for the API
 - methods:
 - addSection(\$section)
 - add a new section
 - addSubSection(\$section, \$subsection)
 - add the specified subsection to the \$section
 - addBullet(\$section, \$subsection, \$bullet_id, \$bullet_data)

- add the \$bullet_data for the specified \$bullet_id
- printOutput(\$section = null, \$subsection = null, \$bullet_id = null)
 - prints the output in the desired format.
 - If any parameter is NULL, then the all available data will be output for that parameter
- parseInterface
 - provides the interface definition for the 2 parser classes
 - methods:
 - __construct(\$filename)
 - Sets up the object and attempts to load \$filename
 - isParserReady()
 - Returns TRUE if parser successfully loaded the file, otherwise returns FALSE
 - getSections()
 - Returns an array of sections parsed from the file
 - getSubSections(\$section)
 - Returns an array of all subsections of \$section
 - getBullets(\$section, \$subsection)
 - Returns all bullets in an array for the provided \$section and \$subsection

Classes

- parserBase
 - contains structures and methods common to the 2 parser classes below
- csvParser
 - A class that attempts to parse resumes data from a CSV file
- jsonParser
 - Parses resume data from a JSON file (NOT IMPLEMENTED FOR THIS EXERCISE)
- apiBase
 - Base class for the API which contains the methods that read the data from the parser into API classes below
- xmlApi
 - serves resume data in XML format
- jsonApi

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- serves resume data in JSON format

Controller

- api.php
 - processes all API input and directs calls to the appropriate place