

Project One: Using a Web Service

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February 27, 2015

Introduction

This project will encompass the contents of the first five chapters of the book. It will involve developing a complete client-side application with the addition of a connection to one of the services available at www.programmableweb.com. The list of tasks in the next section are intentionally open-ended (vague even?). Use your imagination to create something cool.

Tasks

1. Choose an API from [The Programmable Web](http://www.programmableweb.com). Be sure that the format/protocol field on the specs page includes JSONP.
2. Study the API to make sure you understand it.
3. Design a page that interacts in some fashion with the data provided by the service.
4. Use the following algorithm to develop your application:

```
while project not finished
  work on project
  if confused
    ask question

submit project
```

Examples of the kinds of things you might do include

- designing a nice web page to display the data provided by the service
- formatting the data in a nice way
- allowing the user to submit various queries to the service
- connecting to multiple services to combine related data in various ways (a mashup)
- writing a script to manipulate the data in various ways

Grading

Your grade will be based on technical competence and page design. Be creative; add interesting and fun features. You may have an opportunity to present your project in class. Impress your

friends and classmates!

Submission

The project is due Wednesday, March 18, 2015 at 11:55pm. Submit a zipped folder of your files to Moodle.

You may work in teams of two on this project. Submit only one copy of your project. Note that all members of a team will receive the same grade on the project.