

CPSC 473 - Front-End Engineering - Spring 2018

Homework 8

Section 02 - due April 23, Section 01 - due April 25

In this assignment, you will set up an [Ember.js](#) development environment and start an Ember-based application.

Note: The learning curve for Ember.js is steep, and the textbook moves quickly. This homework begins a little more slowly than Chapters 19-21.

Complete the following:

1. Work through the Ember.js [Quick Start](#) tutorial to create your first application.

Note: An Ember.js template may be only part of a complete HTML page, so the Atom HTMLHint plugin may report the error "Doctype must be declared first." To suppress this error, create the following file in your application's `app/templates/` directory:

.htmlhintc

```
{
    "doctype-first": false
}
```

2. Create a second application by working through Lessons 1 and 2 of the Ember.js Tutorial at <http://yoember.com/>.

Notes:

- When you reach the [Prerequisites](#) section of the tutorial,
 - If you completed [Homework 0](#), then you have already installed a more recent version of Node.js than the one packaged with the Ubuntu, so you can skip all but the very last step of [The Best Way to Install Node.js - On Linux](#).
 - You can download a binary package of watchman for the 64-bit Ubuntu MATE virtual machine from [here](#) and install it with the following command:

```
$ sudo dpkg -i watchman_4.9.0_amd64.deb
```

- When you reach the section [Turn on a few debugging options](#), make a note of these for use with the textbook's Tracker app and with your app for Project 2.
 - When you reach the section [Add Bootstrap and Sass to Ember.js App](#), compare this to the approach taken in [Chapter 19](#) of the textbook using Bower.
3. Push the contents of `ember-quickstart/` and `library-app/` to new GitHub repositories using a git client (e.g., the [git](#) command-line client, [GitHub Desktop](#), or [GitHub for Atom](#)). Do not submit files using drag-and-drop onto the repository web page, and do not push the repositories for this assignment to the same repository as your previous homework assignments.

Building the Tracker app

At this point, you should be prepared to read Chapters 19-21 for more information on Ember.js.

While you are welcome to start building Tracker along with the book, note that the version of Ember CLI used in the `yoember.com` tutorial is newer than the version used in the textbook, so you may encounter some differences.

In order to successfully complete the Tracker app, switch to `ember-cli@2.4` and `emberx-select@2.2.3`, and keep an eye on the [Errata](#) page

Submission

Turn in the code for this homework by uploading your `ember-quickstart/` and `library-app/` directories to public repositories on GitHub. While you may discuss this homework assignment with other students, the work you submit must have been completed on your own.

To complete your submission, print the following sheet, fill out the spaces below, and submit it to the professor in class by the deadline. Failure to follow the instructions exactly will incur a **10%** penalty on the grade for this assignment.

Homework Submission

CPSC 473, Section _____

Homework 8

Your name _____

GitHub repositories

- <https://github.com/>_____ / _____
- <https://github.com/>_____ / _____

Verify each of the following items and place a checkmark in the correct column. Each item incorrectly marked will incur a **5%** penalty on the grade for this assignment.

Completed	Not Completed	
<input type="checkbox"/>	<input type="checkbox"/>	When ember server is running from ember-quickstart/, the list of scientists can be viewed at http://localhost:3000
<input type="checkbox"/>	<input type="checkbox"/>	Alert shown when each scientist's name is clicked
<input type="checkbox"/>	<input type="checkbox"/>	When ember server is running from library-app/, the Home and About pages can be viewed starting at http://localhost:3000
<input type="checkbox"/>	<input type="checkbox"/>	"Invite me" button only active when valid email has been entered
<input type="checkbox"/>	<input type="checkbox"/>	Alert and response message shown when valid email submitted
<input type="checkbox"/>	<input type="checkbox"/>	A Contact page has been added to library-app/
<input type="checkbox"/>	<input type="checkbox"/>	Message field and "Send message" button added
<input type="checkbox"/>	<input type="checkbox"/>	"Send message" button only active when message present and valid email has been entered
<input type="checkbox"/>	<input type="checkbox"/>	Alert and success message shown when active "Send message" button clicked
<input type="checkbox"/>	<input type="checkbox"/>	Ember apps pushed to new GitHub repositories listed above

Comments on your submission
