

CPSC 473: Front-End Web Engineering - Summer 2018

Homework 4, due 18 July 2018

In this assignment, you will finish the CoffeeRun app and modify the RemoteDataStore module to work with [Deployd](#) as a back end.

Complete the following:

1. If you have not yet completed Chapter 12 (Form Validation), work through that chapter to add form validation.
2. Work through Chapter 13 (Ajax) to connect CoffeeRun to the back-end service at <http://coffeerun-v2-rest-api.herokuapp.com/api/coffeeorders>.
3. Install [MongoDB](#) and [Deployd](#).

If you are using the Ubuntu MATE VM and have completed [Homework 0](#), you should already have an updated version of Node.js installed. Use the following shell commands:

```
$ sudo apt update
$ sudo apt install -y mongodb
$ sudo systemctl stop mongodb
$ sudo systemctl disable mongodb
$ npm install deployd-cli -g
```

4. Create a new Deployd app for CoffeeRun and open the dashboard:

```
$ dpd create coffeerun-backend
$ cd coffeerun-backend
$ dpd -d
```

Note that you may see the following error in your terminal window:

```
ls: no such file or directory: resources/**/config.json
```

The message should disappear when you have completed the next step.

5. Use the Deployd dashboard to [create a Collection](#) for coffeeorders, using the data sent to the API hosted on Heroku as a guide.

6. Modify `SERVER_URL` in `scripts/main.js` to the following URL:

<http://localhost:2403/coffeeorders>

7. Update `scripts/remotedatastore.js` as necessary to use Deployd as CoffeeRun's new back-end. Note the following:

- You may need to change the way that orders are created.
- Any changes you make should not affect the code outside `remotedatastore.js`.
- As with the Heroku API, access the collections [over HTTP](#), rather than through the [dpd.js](#) library.

8. Push the contents of your project to a new GitHub repository 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 this assignment to the same repository as your previous homework assignments.

Submission

Turn in the code for this homework by uploading both the `coffeerun` and `coffeerun-backend` directories to a single public repository 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.

CPSC 473 Homework Submission 4, due 18 July 2018

Your name _____

Repository <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"/>	The CoffeeRun page can be viewed at http://localhost:3000 when browser-sync is running
<input type="checkbox"/>	<input type="checkbox"/>	Coffee Order and Email fields are required for submission
<input type="checkbox"/>	<input type="checkbox"/>	scripts/remotedatastore.js module has been added
<input type="checkbox"/>	<input type="checkbox"/>	Deployd installed and running and coffeeorders resource created
<input type="checkbox"/>	<input type="checkbox"/>	SERVER_URL in main.js points to Deployd
<input type="checkbox"/>	<input type="checkbox"/>	Changes to the checklist are reflected in the coffeeorders collection when viewed through the Deployd dashboard
<input type="checkbox"/>	<input type="checkbox"/>	Orders stored in Deployd persist after refreshing the page in the browser
<input type="checkbox"/>	<input type="checkbox"/>	An .eslintrc.js file is present in the root of the repository
<input type="checkbox"/>	<input type="checkbox"/>	All issues detected by linter-eslint have been fixed
<input type="checkbox"/>	<input type="checkbox"/>	No error messages appear in the browser's DevTools console
<input type="checkbox"/>	<input type="checkbox"/>	HTML, CSS, and JavaScript code reformatted with the atom-beautify plugin
<input type="checkbox"/>	<input type="checkbox"/>	Project directory pushed to new GitHub repository listed above
<input type="checkbox"/>	<input type="checkbox"/>	Project directory has been pushed using a GitHub client, not by manually dragging-and-dropping files onto the GitHub web page.

Comments on your submission
