CPSC 349: Front-End Web Engineering - Fall 2020
Homework 4, due 9 Oct 2020

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://coffeerunv2-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 coffeerunbackend** $ **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.

Turn in the code for this homework by uploading your project to a public repository on GitHub. While you may discuss this homework assignment with other students, you must complete the work 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 349 Homework Submission 4, due 9 Oct 2020

Your name: Loc Nguyen

Repository *(print)*: **https://github.com/**
____kevinlbnguyen113_____/_____CS349HW4_____

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

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

Comments:

Fill out and print this page, and submit it on the day this project is due.