

# CPSC 349: Front-End Web Engineering – Fall 2021

## Homework 4, due by 22 Oct 2021

In this assignment, you will finish the CoffeeRun app and modify the RemoteDataStore module to work with **FIREBASE** 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. Using Firebase, create a new Firebase app for CoffeeRun, using the data sent to the API hosted on Heroku as a guide.
4. Modify scripts/remotedatastore.js as necessary to use Firebase 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.
5. Push the contents of your project to a new GitHub repository using a git client (e.g., the [git](#) command-line client, [GitHub desktop](#)). 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 your project to a public repository on GitHub. You may discuss this homework assignment with others, but must complete it 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 22 Oct 2021

Your name: Evan Le

Repository (print): [https://github.com/le11evan/CPSC\\_349\\_CoffeeRun\\_HW4](https://github.com/le11evan/CPSC_349_CoffeeRun_HW4)

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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	
<input type="checkbox"/>	<input type="checkbox"/>	CoffeeRun page viewed at <a href="http://localhost:3000">http://localhost:3000</a>
<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"/>	<b>Firebase installed and running and coffeorders resource created</b>
<input type="checkbox"/>	<input type="checkbox"/>	<b>Firebase is set up to be the new remotedatasource for coffeorders</b>
<input type="checkbox"/>	<input type="checkbox"/>	Changes to the checklist are reflected in Firebase
<input type="checkbox"/>	<input type="checkbox"/>	Orders stored in Firebase persist after refreshing the page in the browser
<input type="checkbox"/>	<input type="checkbox"/>	No error messages appear in the browser's DevTool's console.
<input type="checkbox"/>	<input type="checkbox"/>	The Project directory has been pushed to the above GitHub repository

Comments:

Firebase Datastore Video: <https://youtu.be/fTeOeXtbp2o>

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