CPSC 473 - Web Front-End Engineering for Internet Applications

Assignment 8 - Spring 2017

Section 2 due April 3. Section 1 due April 5.

In this assignment, you will finish the CoffeeRun app, complete a Programming Challenge, and modify the app to work with a new back-end.

Complete the following:

1. Work through Chapter 13 to connect CoffeeRun to a back-end service.

2. Complete the *SIlver Challenge: Validating Against the Remote Server*.

Note: Steps *(3)* through *(6)* may be completed either before or after working through Chapter 14.

3. From the command line, install the `json-server` tool with

    ```
    npm install -g json-server
    ```

    then switch to your `coffeerun/` directory.

4. Download [db.json](#) from GitHub. Place it in your `coffeerun/` directory, then start the server with

    ```
    json-server --port=3002 --watch db.json
    ```

5.   Modify `SERVER_URL` in `scripts/main.js` to use

    ```
    http://localhost:3002/coffeeorders
    ```

6. Update `scripts/remotedatastore.js` as necessary to use the local `json-server` as CoffeeRun's new back end.

    Note that you will need to make changes to the way that orders are created. These changes should not affect the rest of the code.

    Hint: POST a new order and see how the newly-created order differs from the order currently stored in `db.json`.

7. Work through Chapter 14 to switch over to Promises and JQuery `Deferred` objects when storing data.

8. Push the contents of your `coffeerun` directory into a new public GitHub repository

Grading

How to know if the assignment has been successfully completed:

1. Is there a `.eslintrc.json` file?
2. Have you fixed any issues detected by the `linter-eslint` plugin?
3. Have you run the `atom-beautify` plugin?
4. Have you fixed any JavaScript issues displayed in the DevTools Console?
5. Is there a new `scripts/remotedatastore.js` module?
6. Is `json-server` installed and running?
7. Is `SERVER_URL` pointing to `json-server`?
8. Does the CheckList show the orders stored in the back-end service?
9. Are you able to add rows to the CheckList by submitting the order form?
10. Are you able to make deliveries by clicking rows in the CheckList?
11. Are you able to see orders being added and removed from `db.json`?
12. Has the code been updated to use `Promise` objects with the local `DataStore`?
13. Has the code been updated to use `Deferred` objects with the `RemoteDataStore`?
14. Do you have a new repository for this assignment?
15. Have you checked in the changes from this assignment and pushed them to GitHub?