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CS 290 - Web Development

Practice report

In an attempt to internalize everything that we've learned so far, I took the suggestion of the assignment and extended the to-do list to allow the user to input the city where they live in and to click on suggested activities, marking the list items as green or red depending on the weather at that current time.

To test that sessions worked, I leveraged express-session and used it in the '/' handler to check whether or not a session existed before I render a specific view. I used tools like the Session Storage to see what information is actually being stored in my browser and wrote some console.logs to confirm that the same information was passed in. I also used Incognito mode to ensure that another user accessing my website wouldn't see another person's to-do list.

This would also mean that my GET requests would have to work, so that the session handling could even take place. To ensure that POST requests worked, I had to implement a feature that allowed the user to enter specific tasks and make sure the data would be saved to a specific session and then rendered on the page. On the front end, I had to make sure that my forms were built properly and used the appropriate actions and POST methods so that this information would be transferred to the server properly.

The most interesting part of the project was the integration to the OpenWeather API, which required that I had a good understanding of AJAX requests. Thankfully, I have some experience with web development and leveraged ES6 Promises to make my code a lot more predictable and easier to read. That said, I also understand the importance of how to structure your callbacks to handle the tricky parts of async code.