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COSC4353
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Assignment 2

1. Provide a link to GitHub repository for TAs to view the code?

Link: https://github.com/ShaneMeghani/Software_Design_Project.git

2. Discuss if your design and development methodology has changed since assignment 1 and why?

During our initial development of the front-end design of our project, we decided to change our software development methodology from Test Driven Development (agile) to Incremental development (prescriptive). The major reason for this change is due to the extensive initial time needed to make unit tests for our program. By only having two weeks to complete the front-end of our project (especially when dealing with other classes), continuing with TDD would lead our group to rushing and making poor unit tests for our program. As we looked for a new development methodology, we found Incremental development to fit our current circumstances. The positives to Incremental development is that it generates working software quickly and early during a software's life cycle, and the model itself is very flexible. However, it's downside is that problems may arise because not all of the software requirements are gathered up front. For us this is not a problem since we have all the requirements of our project on blackboard already (Assignments 1 - 4), thus we can correctly plan out a complete definition of our whole system before being broken down and built incrementally.

3. List what front end technologies you are using and why. List who is responsible for doing what in your group? (2 points)

To create our website's interface we used HTML with CSS as our markup and style sheet language. HTML and CSS were chosen since they are both very easy languages to learn, can be integrated easily with other languages (such as python, javascript, etc), and are supported by all major browsers. To give our interface functionality, we decided to use Python (Flask) as our client-side programming language. We choose Python because it's overall a very easy language to program for and Python lets you build more functions with fewer lines of code. Lastly, we used VS code as our IDE to write our current program. We will be using VS code temporarily until around assignment four where we will move over to Wamp server. We are currently still in the process of learning how to use Wamp server within our group, and VS code was chosen as a temporary solution simply due to many of us having previous experience with it.

4. Provide screenshots of your front end, each page? (5 points)
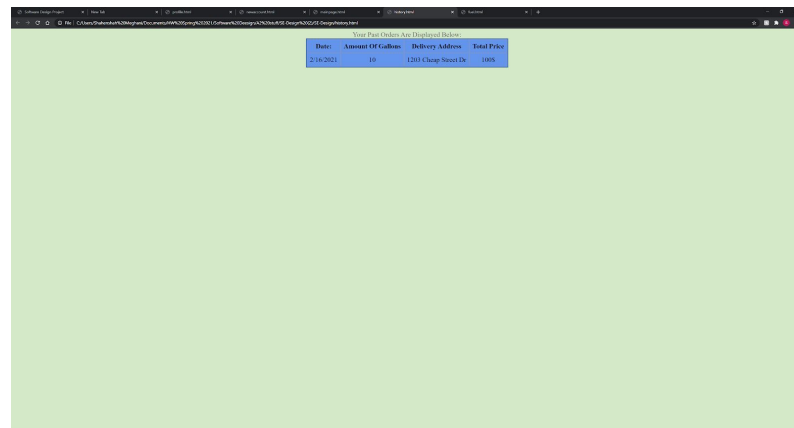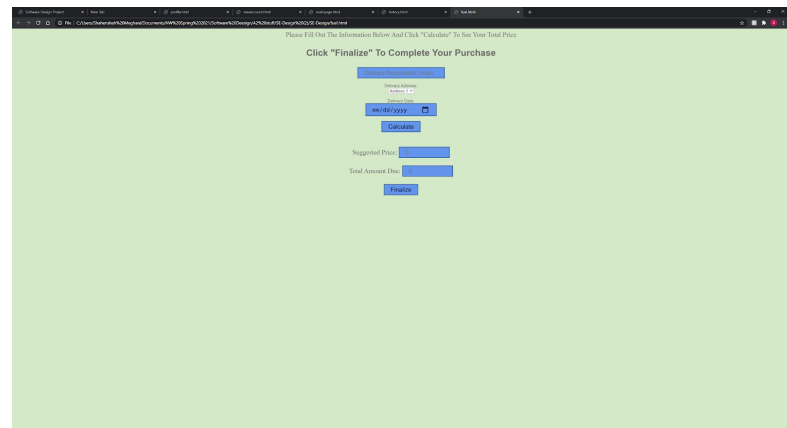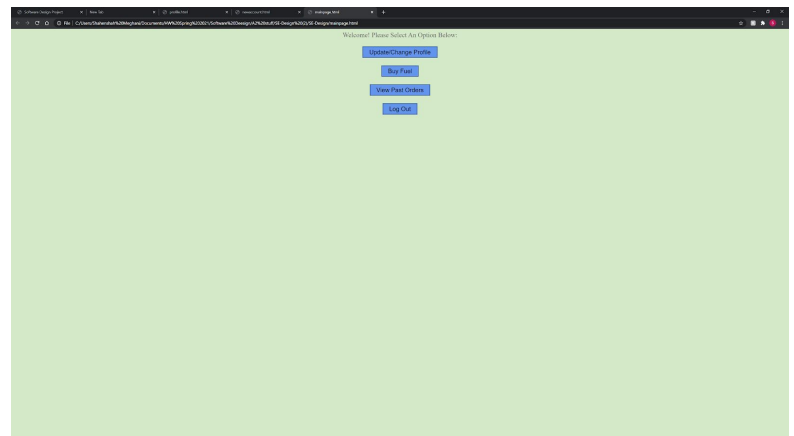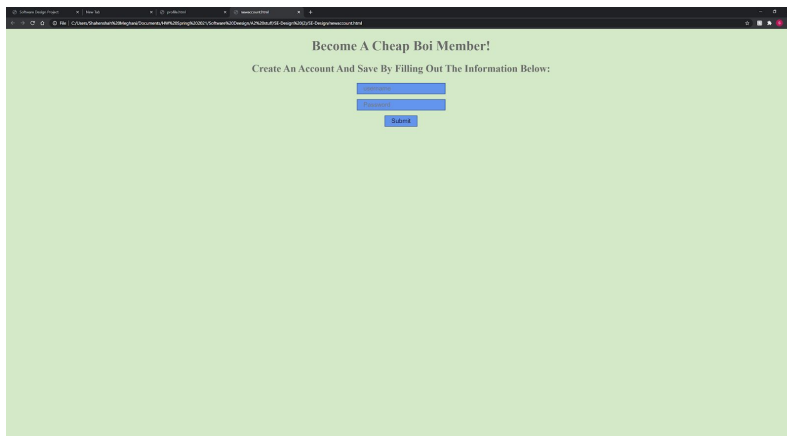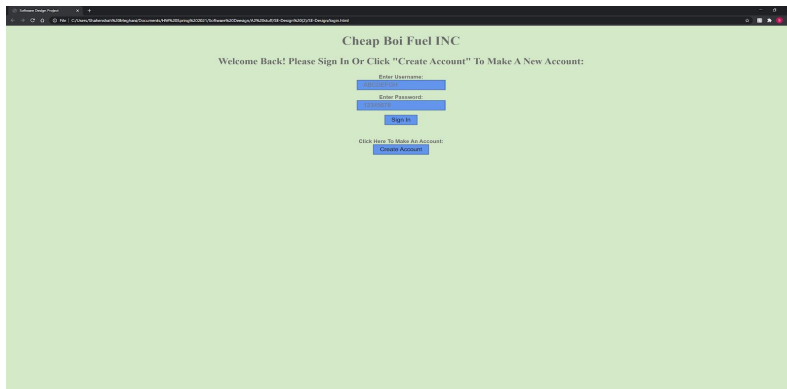
5. IMPORTANT: list who did what within the group. TAs should be able to validate in GitHub, otherwise team members who didn't contribute will receive a ZERO.

Shahenshah Meghani: Answered all questions for assignment two and wrote half of the HTML files.

Andrew Nguyen: Wrote python (flask) code for assignment two.

Syed Aziz: Wrote the other half of the HTML files and added CSS to all HTML files.

*NOTE: All partners in the group worked on every aspect of the project **together**, work was mainly divided based on who is writing that specific unit of work.