In my Milestone Two: Enhancement One: Software Design and Engineering

I began making changes to make the application deployable ready. The problem with the original code is that it is not a complete app, and there are flaws within the code. Because of this, my first step is to clean up the original code so that I can begin adding more during the next two milestones. For my Software Design and Engineering milestone, my goal is to complete the code and create a completely deployable application, improve database integration, ensuring that CRUD operations are fully functional and persist data correctly, and enhance the user interface (UI) to be more intuitive and aligned with design best practices.

The first change I made is I started to cleanup the design for the inventory page. I have not complete this page yet, by I started to clean up the original code to create a cleaner layout and give me a clean slate to begin adding more of my requirements and updates to. This will be the page that shows all of the items in the inventory and will show the items in the cloud-based MySQL database I will work on in the Database milestone. It will also need to include the updates in the Algorithms and Data Structures milestone. These include placing the linear list with a hash table and adding ways to sort the inventory such as by name, category, or quantity.

Another area I began cleaning up is the messages page. One this screen the user should be able to receive and send messages, as well as receive notifications. As of right now I have this page set up with the title and an area to display the messages. I still need to add button to compose and send new messages, as well as organize the notifications by date and a way to delete old messages/notifications. Another page I made updates to was the profile page. On this page I cleaned up the layout as well. The profile page allows the user to update their first and last name, email, phone number, and password. This is the essential information a person would need for this job. Password updates are essential, and will be required often so that employees can protect their data and the company follows security guidelines for their app. I have only begun cleaning up the code, but I still have errors that need debugging and updates that need to be made to make the application deployable and follow each of the other goals for this milestone.