**CS 127 Machine Problem Proposal**

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Medicine Tracker

This web application would be useful for people who are required to take multiple medicines in a day or week. There would be an alert feature and a tracker feature to help the individual visualize and track their progress. There are two types of users: *Public User* and *Registered User*.

1. Public User

A user is classified as a Public User when they are only visiting the web application and is not yet logged in or has not yet made and registered an account in the system. A Public User can do the following:

1. Create and Register an Account
   * Account details include: username, password, first name, last name, email address
2. Access the login page
   * Use the details that were registered to login to their own account.
3. Registered User

A user is classified as a Registered User when they have logged in to their account in the web application. Registered Users can take full advantage of the features such as the following:

1. Input the medicines that they are taking
   * The Registered User can input the following:
     1. They could either choose a certain medicine from a premade list.
     2. The amount or dosage they need to take
     3. When in the week and the time should they take this medicine
2. View what medicines they have to take for the day
   * After inputting their medicines, they could view a page showing what they need to take for the day in a to-do list style or format
   * The MediTrack list will show the medicine, dosage, and the duration on how long they should be consuming the said medicine.
3. Search the MediTrack list
   * In the list page a search bar would be implemented to allow the user to search for any of the added entries in the list
   * It would also allow the user to search for both completed and not yet completed entries in the list.
4. Update and edit the medicine tracker
   * In the list page the Registered User can view and click on each entry to update/edit their medicine list.
   * They could change the information they previously inputted like the medicine, notes, dosage, completed, etc.
5. Manually arrange the order of medicines in their list
   * The Registered User could drag and manually arrange the medicines in their list page.
   * This could allow the user to put specific medicines in different arrangements whether it be by completed, the priority of that medicine, etc.
   * A click and drag feature would be implemented to make the process easy and intuitive.
6. Alert notifications via Email
   * The Public User that would register would receive an alert email after registration
   * The Registered User would also be sent an alert email when they have completed or deleted an entry in the MediTrack list.