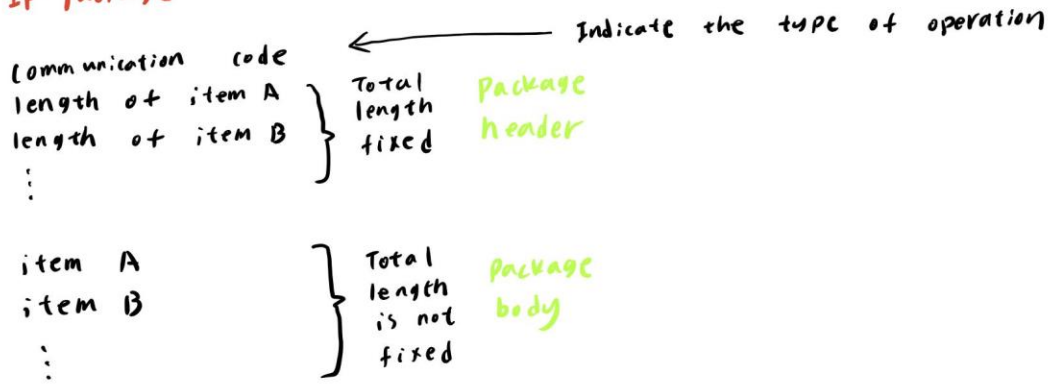
Project Features list (sorted by priority):

1. Enter tasks: ability to put in tasks and a description of the task to add it into the calendar.
2. Day view of tasks (rank by importance): the user will be able to see their tasks by the day, and these tasks will be ordered based on how important the user ranked the tasks to be.
3. Calendar view of tasks: we will have a monthly and a daily of view of everything the user has entered (part 1).
    a. creation and dump date in database: we will have the user input the start date (and if needed, end time) and put that in our database.
4. Email notifications: the user can set how often they want to be reminded (hourly, daily, etc.) and whether it's for every task or many tasks at once.
5. Alerts for upcoming tasks (rank by importance): we will have important and upcoming tasks on the side to remind the user not to forget about them.
6. Customize task importance: the user can rank how important each task is (urgent, important, slightly important, etc.).
7. Categorize using color coding: The user will be able to input what a certain task is categorized as (academic, social, sport, etc.), and we will color code each one for readability.

Architecture Diagram and Web Service Design

Ip package

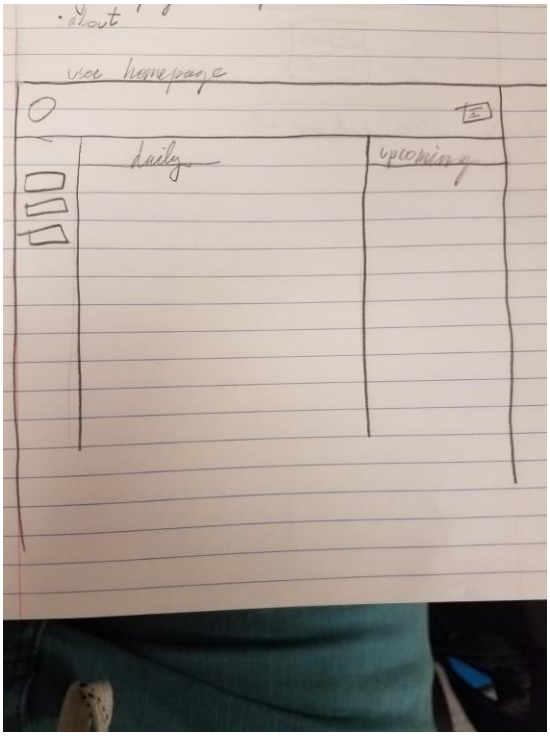


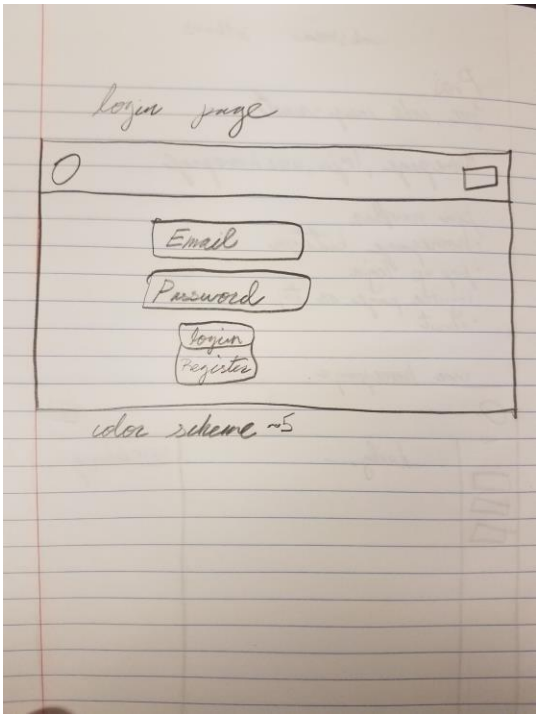
server side

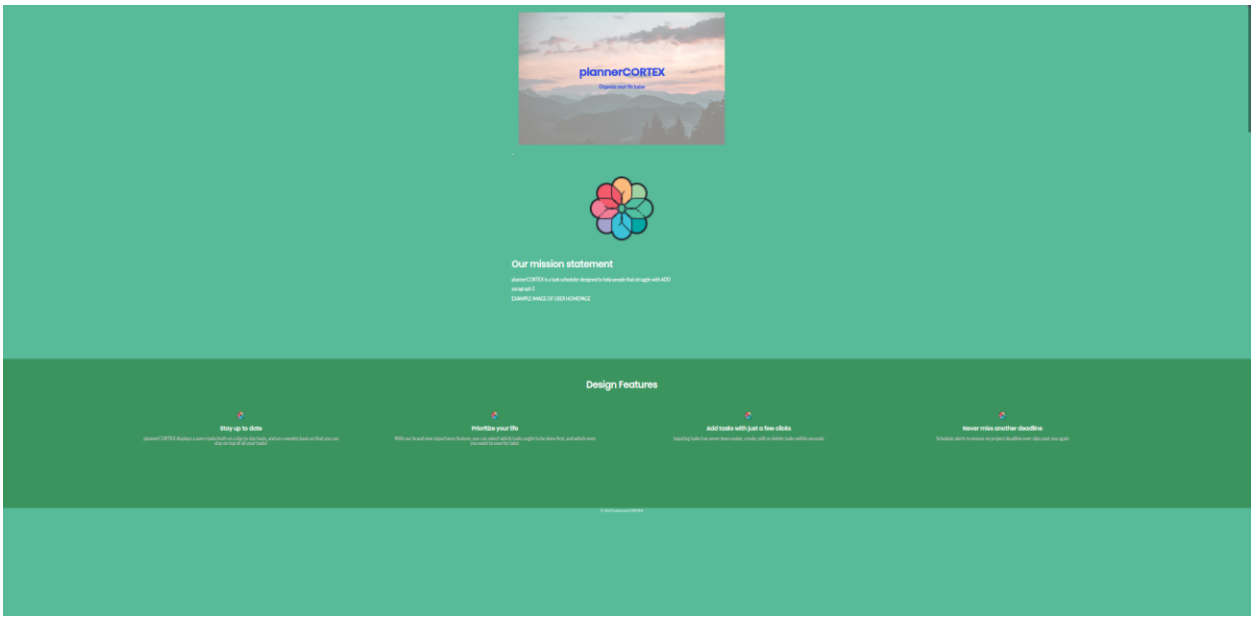
multi-threading
- one for receive request
- one read request from list and full fill it

Io completion port design

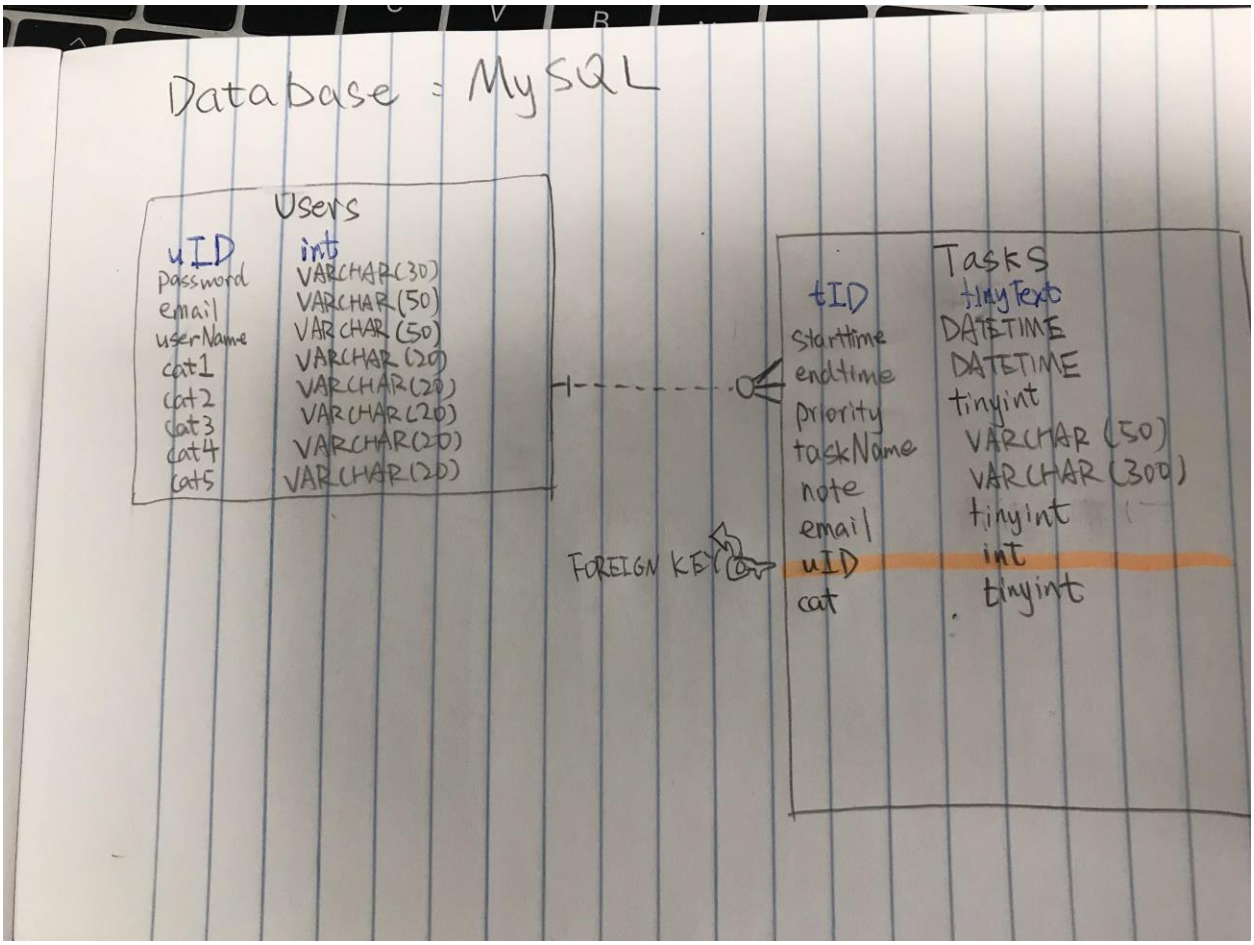
Front end Diagrams:







Database Design


Database = MySQL
Users
uID int
password VARCHAR(30)
email VARCHAR(50)
userName VARCHAR(50)
cat1 VARCHAR(20)
cat2 VARCHAR(20)
cat3 VARCHAR(20)
cat4 VARCHAR(20)
cat5 VARCHAR(20)
Tasks
tID tinyText
startTime DATETIME
endtime DATETIME
priority tinyint
taskName VARCHAR(50)
note VARCHAR(300)
email tinyint
uID int
cat tinyint
FOREIGN KEY