## CS/SF 495-01

## Weekly Report

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_6/09/2022\_\_\_\_\_

Hours worked this week: \_\_\_13hours\_\_\_\_\_\_\_ Total hours worked: \_\_\_13 hours\_\_\_

**Project Plan timeline activity for this week:**

Developed the navigation bar and assigned elements for the various instances required in the project.

**Undertsand the Problem**

Implementing PyQt5 required me to install other packages into my system. So i installed the library with the following command

“pip3 install PyQt5”

This solved the errors i encountered while writing the code.

**The scope**

Activities.

1. Map the storage of elements from the forms. - Using PyQt5, one can place various menu elements into the menubar. Essentially the Widgets implement structure linke menu that helps structure other elements on top of it.
2. Create a mainWindow to map the elements. - QApplication Main window library helps strucure the size and layout that is required for the elements to be fit in.
3. Structure on the placing of each element on the main window. - The menu window and the tabs are implemented in the tab\_widget file that represents the tabs on the main Window screen.
4. As required, the system should also implement a database-structure to help store the various tasks as lists, and therfore i will be using the SQlite3 database structure to implement the database. In this, i have structured to tables called Tasks, and Projects each representing a timeline activities and section based instances to store the events.

Last summer, i had a python beginner course that helped me implement most codes through the pycharm IDE and i found it more suitable and comfortable to use. It helps structure the code, performs code inspections and also error quick-fixes. With this I can implement the TO-Do List more easily.

**Accomplishments for the week pertaining to the above timeline activity:**

I Intend to accomplish the following:

1. Create a Navigation bar that will enable a user to select and ad evetns marking them with priority
2. Create a database that will help retrieve and add details to it through the forms

**Skills I need.**

For this project, i need to have clear implementation of python language and how to debug the code because it takes time. With the use of the new Library, its a challenge for most of the elements, but i have structured most of the usabilities of the various elements into the code.

Connecting the database to the forms was difficult, it required a lot of research and therefore it took me a day to figure out how to conenct the various database attributes to the form attributes. The first bit of the code took me three days evaluating the elements, attributes and code structure. Testing has not yet been done since my main file that contains the MainWindow, has not been conencted to all the components needed.

**Problems that occurred and how they were solved:**

If i face any problem or issue, i will do research or helpful video that will help tackel and resovle the problem.

**Adjustments to timeline (if needed):**

No adjustments.