

CSE 1112/CSI 122 (B): Structured Programming Language Laboratory
Trimester: Spring 2023
Project

Any student found adopting unfair means will be expelled from the trimester/program as per UIU disciplinary rules.

Project Title: A daily task management system in C programming language.

Problem Statement: You have to design a task management system where it must have a signup and login system. Users will signup by entering his/her Username (each user name needs to be unique), and Password. This signup data will be stored in the “**signup.txt**” file. After successful signup, the user will log in to the system by checking his/her credentials (Username and Password). If the credentials do not match, the system will show the error message and suggest logging in again.

Functionalities:

1. **Add Tasks:** After successful login, the User can add tasks. To add a task, the user needs to select the option to add tasks and then, the user needs to give the date, and then the task description.

Let's say the user named **xihaad456** wants to add a task about his Structured Programming Language assignment on 09 May 2023. So the user will enter the task as follows:

09/05/2023 Structured_Programming_Language_Assignment

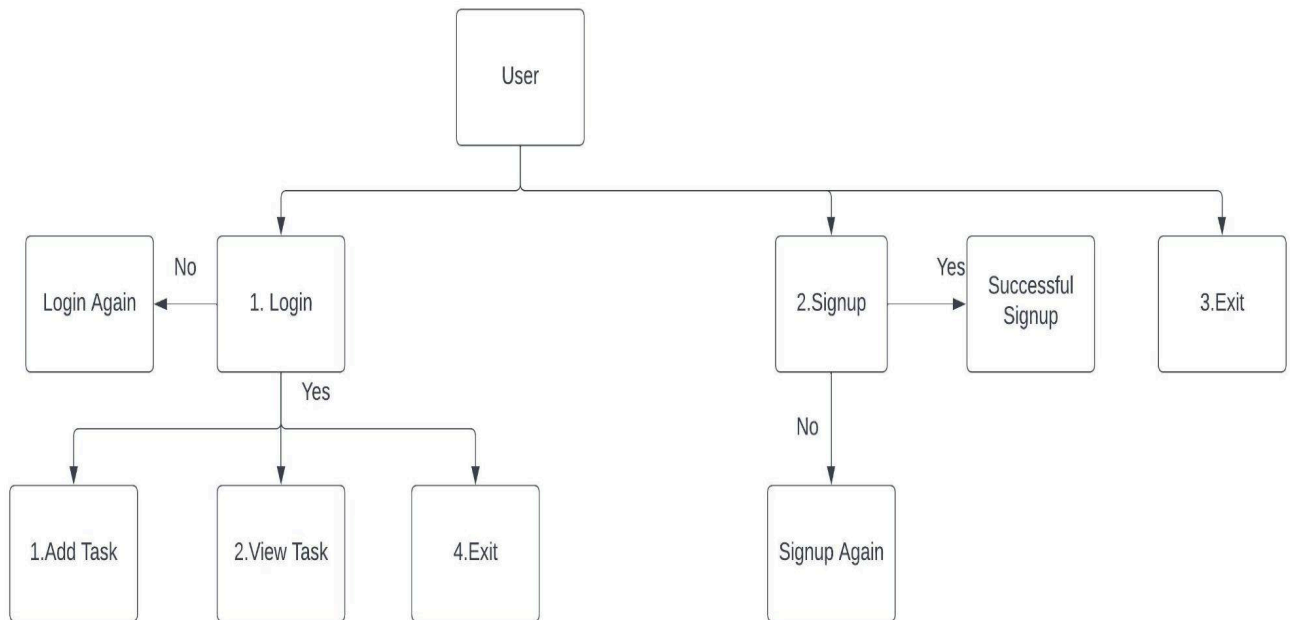
Please note that the task description won't have any space. Instead of space, we are using underscore between the words. You need to store the tasks in a text file named “**tasks.txt**”. So, you need to write the details of the tasks in the file by maintaining the following format:

xihaad456 09/05/2023 Structured_Programming_Language_Assignment

2. **View Tasks:** To view the tasks of a particular date, the user needs to select the option of view tasks first, then the user needs to provide the date as follows: DD/MM/YYYY. For example, the user named xihaad456 enters the date: 09/05/2023. Then, the system will look for the tasks of xihaad456 on the file named “**tasks.txt**” on that day. Then, it will show the tasks of that day of xihaad456 in the console. If no task is found of xihaad456 on that day, you need to print “**No Tasks Found**” on the console.
3. **Exit:** It will terminate the program.

On the next page, you will find the project diagram and project instructions.

Project Diagram:



Project Instructions:

So there will be 3 options before login:

1. SignUp
2. Login
3. Exit

And there will be also 3 options after login.

1. Add Tasks
2. View Tasks
3. Exit

Finally, you need to submit the .c file into the LMS.