GROUP 3
PROJECT PRESENTATION

GROUP 3 MEMBERS

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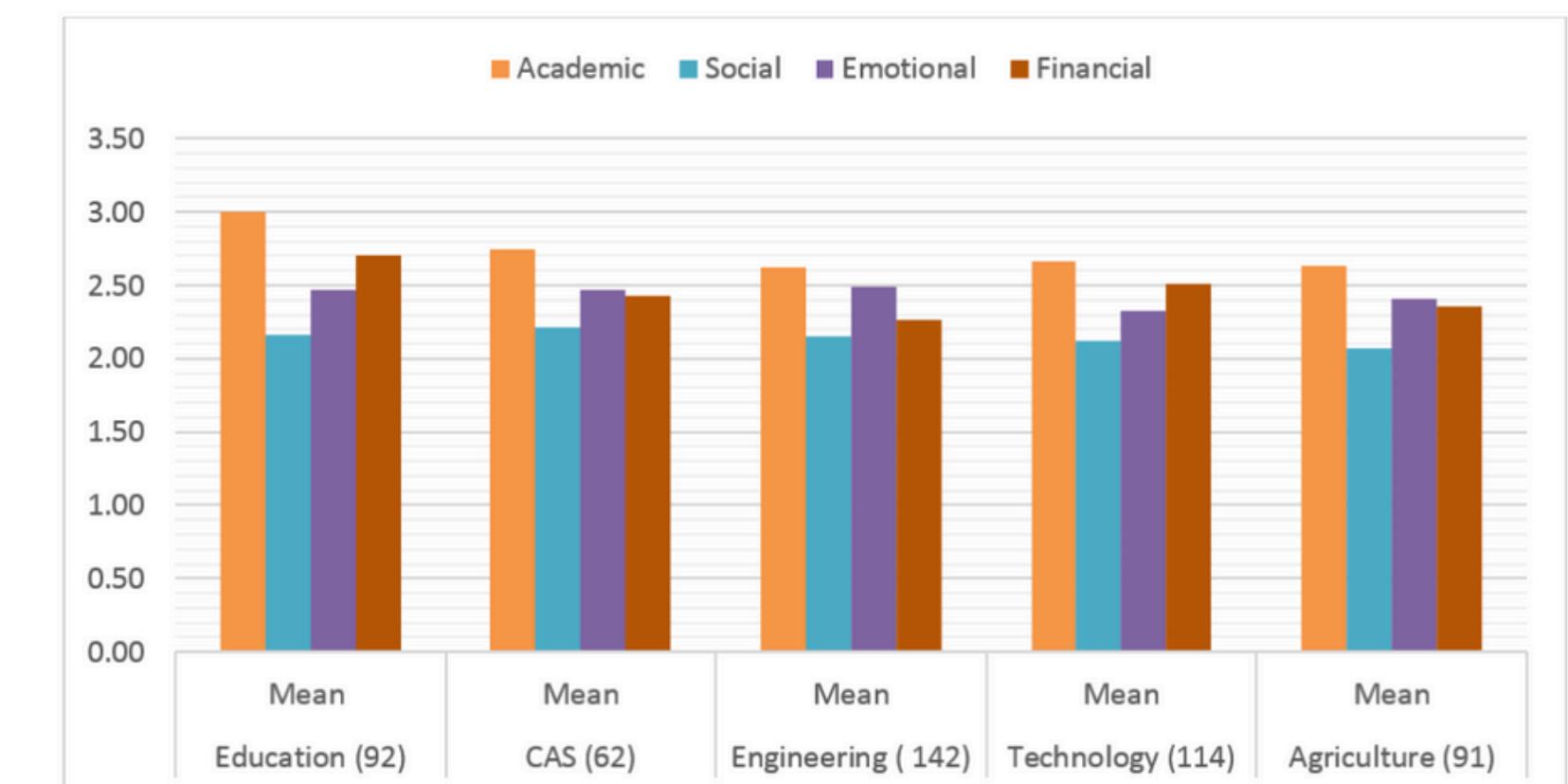Lopez, Andrei Dion C.

Research has also shown that a **student may feel academic pressure due to heavy loads of work,** which can be stressful when handling many difficult assignments from different classes all at once. This can significantly affect the student's physical health, which **leads them to lose interest in eating regularly due to multiple tasks, develop constant headaches, and experience severe fatigue (Vallejo M, 2023).**

The current method of for teachers to view tasks from students has **limited visibility on the overall workload assigned to a particular section** which makes it difficult for students to work on their assignment properly and effectively.

According to **Zhang et al. (2022),** students **exposed to a high academic stress environment may experience anxiety,** and this anxiety may further **contribute to the occurrence of depression and hopelessness** in their academic journey.

A graph from Bate et al. (2019, as cited in Soriano & Gatchalian, 2023) that shows the **amount of stress** the students get from **academic stressors**

STUDENT AND TEACHER TASK SCHEDULER

OBJECTIVES:

This project aims to:
- Create a login and registration system for both teachers and students.
- To allow teachers to:
  - Display the amount of tasks given in a day from all the teachers in a section to know if they overlap other subjects.
  - Set tasks and delete tasks for students
- To allow students to:
  - Display the amount of tasks given in a day from all the teachers in their section
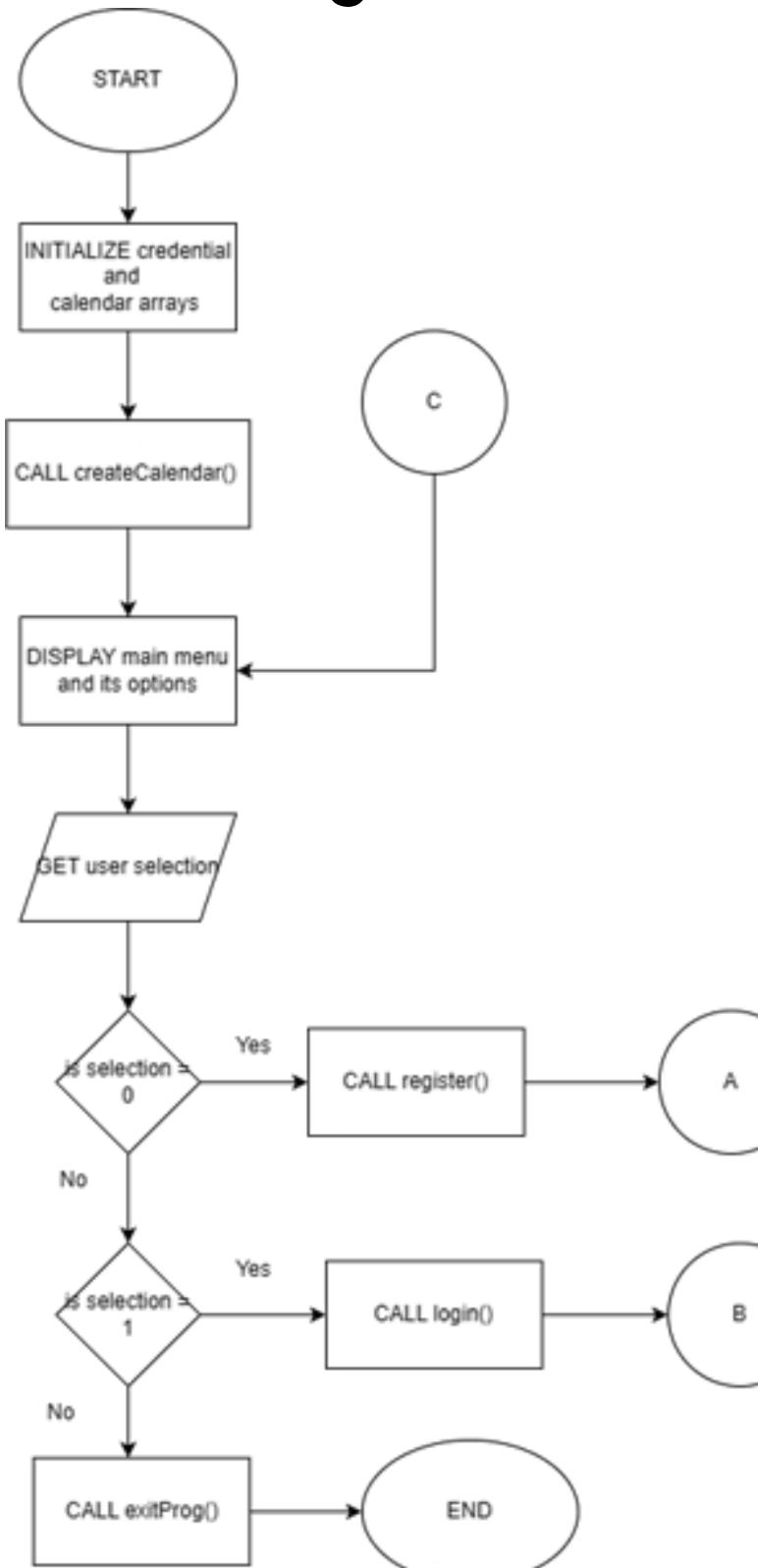
THE CLIENT (BENEFICIARIES)

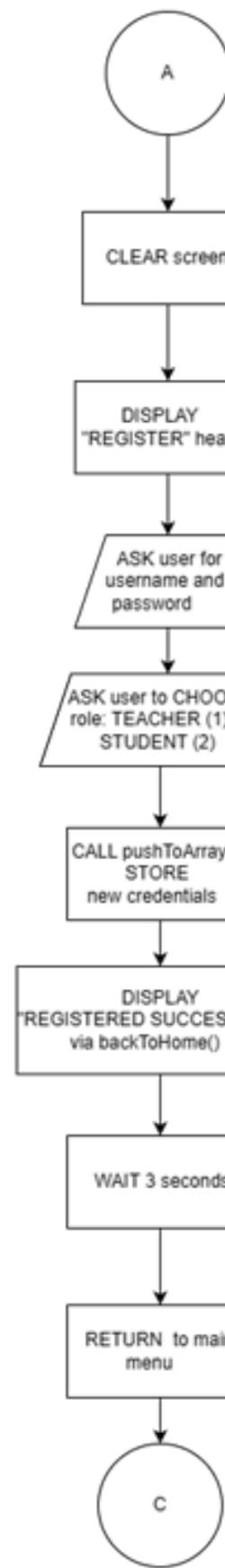Students- the program help track deadlines and organize their time effectively.

Teachers- The program provides insights into their students' deadlines. This allows them to set a reasonable deadline for each task.
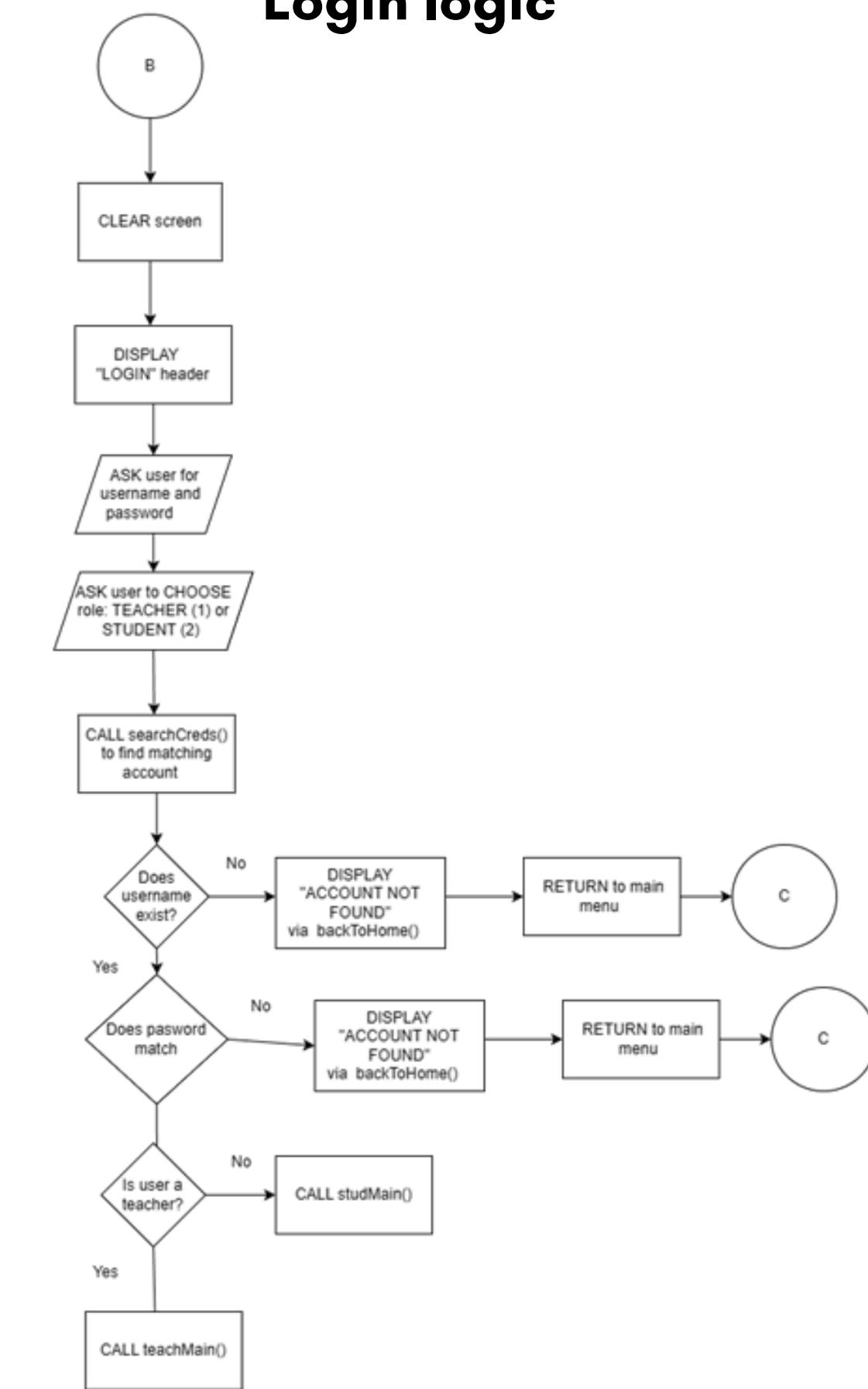
FLOWCHART

Main menu logic

```
      ( START )
          │
          ▼
┌──────────────────┐
│ INITIALIZE       │
│ credential and   │          ( C )
│ calendar arrays  │
└──────────────────┘
          │
          ▼
┌──────────────────┐
│ CALL             │
│ createCalendar() │
└──────────────────┘
          │
          ▼
┌──────────────────┐
│ DISPLAY main menu │◄────────
│ and its options  │
└──────────────────┘
          │
          ▼
   ╱ GET user ╲
   ╲ selection ╱
          │
          ▼
      ╱ is ╲      Yes   ┌──────────────┐      ( A )
     ╱ selection ╲────────►│ CALL register() │──────►
     ╲ = 0  ╱            └──────────────┘
          │ No
          ▼
      ╱ is ╲      Yes   ┌──────────────┐      ( B )
     ╱ selection ╲────────►│ CALL login() │──────►
     ╲ = 1  ╱            └──────────────┘
          │ No
          ▼
┌──────────────┐      ( END )
│ CALL         │──────►
│ exitProg()   │
└──────────────┘
```
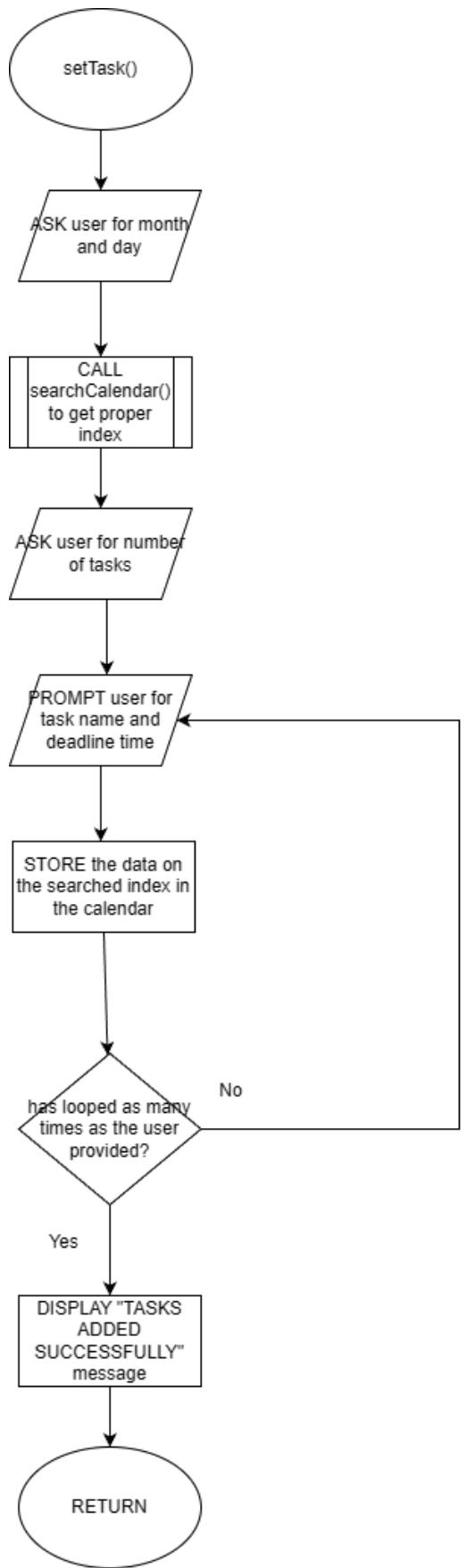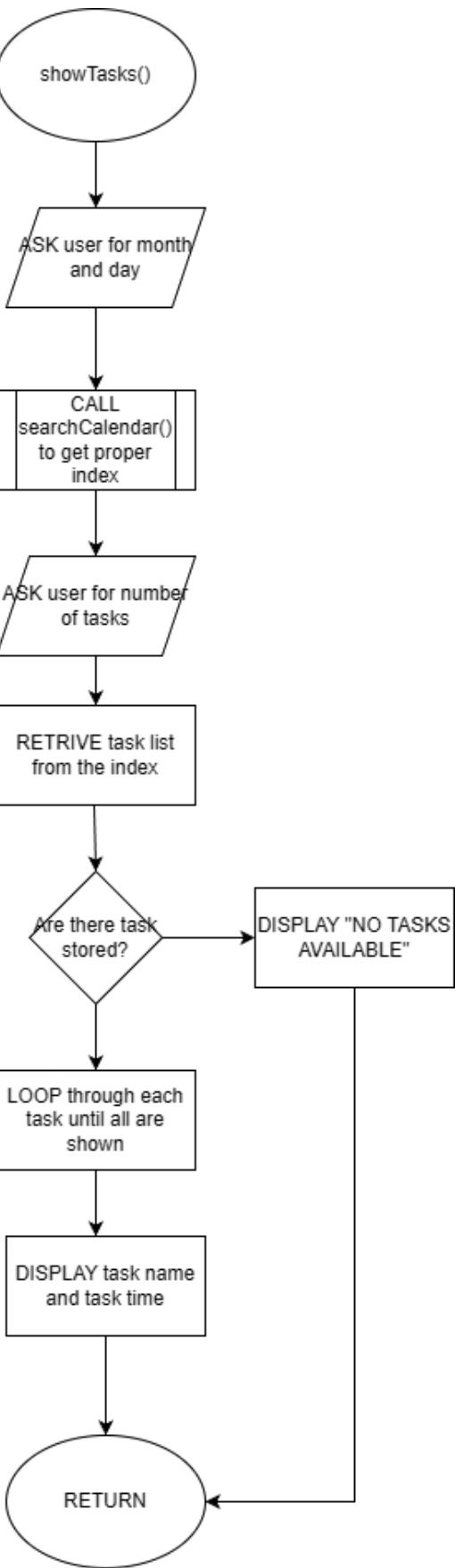
Registration logic

```
        ( A )
          │
          ▼
┌──────────────┐
│ CLEAR screen │
└──────────────┘
          │
          ▼
┌──────────────┐
│ DISPLAY      │
│ "REGISTER"   │
│ header       │
└──────────────┘
          │
          ▼
  ╱ ASK user for ╲
 ╱ username and  ╲
 ╲ password      ╱
          │
          ▼
  ╱ ASK user to  ╲
 ╱ CHOOSE role:  ╲
 ╲ TEACHER (1) or ╱
 ╲ STUDENT (2)   ╱
          │
          ▼
┌──────────────┐
│ CALL         │
│ pushToArray  │
│ to STORE     │
│ new          │
│ credentials  │
└──────────────┘
          │
          ▼
┌──────────────┐
│ DISPLAY      │
│ "REGISTERED  │
│ SUCCESSFULLY"│
│ via          │
│ backToHome() │
└──────────────┘
          │
          ▼
┌──────────────┐
│ WAIT 3       │
│ seconds      │
└──────────────┘
          │
          ▼
┌──────────────┐
│ RETURN to    │
│ main menu    │
└──────────────┘
          │
          ▼
        ( C )
```

Login logic

```
        ( B )
          │
          ▼
┌──────────────┐
│ CLEAR screen │
└──────────────┘
          │
          ▼
┌──────────────┐
│ DISPLAY      │
│ "LOGIN"      │
│ header       │
└──────────────┘
          │
          ▼
  ╱ ASK user for ╲
 ╱ username and  ╲
 ╲ password      ╱
          │
          ▼
  ╱ ASK user to  ╲
 ╱ CHOOSE role:  ╲
 ╲ TEACHER (1) or ╱
 ╲ STUDENT (2)   ╱
          │
          ▼
┌──────────────┐
│ CALL         │
│ searchCreds()│
│ to find      │
│ matching     │
│ account      │
└──────────────┘
          │
          ▼
      ╱ Does ╲     No   ┌──────────────┐   ┌──────────┐   ( C )
     ╱ username ╲────────►│ DISPLAY      │──►│ RETURN to │──►
     ╲ exist?  ╱         │ "ACCOUNT NOT │   │ main menu │
          │              │ FOUND"       │   └──────────┘
          │ Yes          │ via          │
          ▼              │ backToHome() │
      ╱ Does ╲     No    └──────────────┘   ┌──────────┐   ( C )
     ╱ pasword ╲────────►┌──────────────┐──►│ RETURN to │──►
     ╲ match  ╱          │ DISPLAY      │   │ main menu │
          │              │ "ACCOUNT NOT │   └──────────┘
          │ Yes          │ FOUND"       │
          ▼              │ via          │
      ╱ Is user ╲   No   │ backToHome() │
     ╱ a teacher? ╲──────►┌──────────────┐
     ╲         ╱         │ CALL         │
          │              │ studMain()   │
          │ Yes          └──────────────┘
          ▼
┌──────────────┐
│ CALL         │
│ teachMain()  │
└──────────────┘
```

FLOWCHART

Task storing logic

setTask()

↓

ASK user for month and day

↓

CALL searchCalendar() to get proper index

↓

ASK user for number of tasks

↓

PROMPT user for task name and deadline time

↓

STORE the data on the searched index in the calendar

↓

has looped as many times as the user provided? — No → (loops back to PROMPT user for task name and deadline time)

↓ Yes

DISPLAY "TASKS ADDED SUCCESSFULLY" message

↓

RETURN

Task Displaying logic

showTasks()

↓

ASK user for month and day

↓

CALL searchCalendar() to get proper index

↓

ASK user for number of tasks

↓

RETRIVE task list from the index

↓

Are there task stored? → DISPLAY "NO TASKS AVAILABLE" → RETURN

↓

LOOP through each task until all are shown

↓

DISPLAY task name and task time

↓

RETURN

Task Removing logic

clearTask()

↓

ASK user for month and day

↓

CALL searchCalendar() to get proper index

↓

ASK user for number of tasks

↓

RETRIVE task list from the index

↓

Are there task stored? → DISPLAY "NO TASKS AVAILABLE" → RETURN

↓

DISPLAY list of all tasks with their index numbers

↓

PROMPT user to ENTER the task number(s) to delete

↓

DELETE selected tasks from the list

↓

DISPLAY "TASKS DELETED SUCCESSFULLY" message

↓

RETURN

REFERENCES

Dr. Gordon, R. (2023, May 16). How to Focus on Homework to Get It Done on Time. https://www.apu.apus.edu/area-of-study/education/resources/how-to-focus-on-homework-to-get-it-done-on-time/

LCSW. Vallejo, M. (2025, May 28). Academic pressure: causes, effects, and coping strategies. Mental Health Center Kids. https://mentalhealthcenterkids.com/blogs/articles/academic-pressure#:~:text=Excessive%20levels%20of%20academic%20pressure,to%20ensure%20their%20well%2Dbeing.

Zhang, C. et al. (2022, March 5). Associations Between Academic Stress and Depressive Symptoms Mediated by Anxiety Symptoms and Hopelessness Among Chinese College Students. Associations Between Academic Stress and Depressive Symptoms Mediated by Anxiety Symptoms and Hopelessness Among Chinese College Students - PMC

Soriano, A., & Gatchalian, J. (2023). The mediating effect of stress mindset and self-connection on the relationship between perceived stress and burnout among college students. https://www.researchgate.net/publication/377114661_The_Mediating_Effect_of_Stress_Mindset_and_Self-Connection_on_the_Relationship_between_Perceived_Stress_and_Burnout_among_College_Students