

Student Week Planner

Project Description:

The goal of our project is to develop an application that serves as a weekly planner for students. This application helps them manage their school work and schedule by assigning study times. Using the students free time and the estimated time needed for each assignment to complete, it automatically creates a study schedule. The app will also include time for breaks. Additionally, it also gives students advice on which extracurricular activities to attend depending on their schedules and provides information on extracurricular activities such as school clubs or community events. The software aims to make students' lives more organized and less stressful.

Big User Stories:

1. **Adding Homeworks and Assignments:** Allow students to add, remove, and view their homeworks and assignments. School work is inputted with information about how long it will take to complete and an algorithm is used to assign time slots to get work done.
2. **Planning Recurring and Non-Recurring School Activities:** Plans recurring school activities by taking info about how often a student will partake in the activity and what kind of preparation must be done for each activity.
Examples: Adding course labs to the calendar and preparing reminders and other details for anything that is due before each week's lab, adding exams to calendar and automatically assigning time for studying based on information from previous users about how long it takes to study for a specific course's final exam or midterm.
3. **Providing Personalized Recommendations:** Provides personalized guidance on how to reorganize their calendar in the event of conflicts and also recommends some of the extracurricular activities that fit the interest and open times.
4. **Timely Reminders:** Notifies for upcoming due dates to ensure to never miss a deadline. Gives an option of how to be notified (email or text message) to ensure the way that will most likely catch the students attention. When a particular assignment was not marked as "in progress" as the due date approaches, then the application sends a warning reminder. Additionally along with reminders, the app also sends motivational messages or tips for completing assignments. The app does not send reminders late at night or during times students have designated as break or sleep time.
5. **Extracurricular Planning:** Gives club recommendations based on the times that are occupied on the calendar and the event times for a club's events. It also uses a student's list of interests to recommend on-campus events and fit them into a student's schedule based on the amount of free time they have in

a week. Extracurriculars can also be planned with other users so that students who know each other can plan to go to events together.

GUI Design:

1. **Login Window:** First window the user encounters when using the application, has to input username and password to access the rest of the application.
2. **Main Window:** This is the home window, accessed after logging in, houses all the feature buttons
3. **Buttons:** Place buttons for adding courses, assignments, and exams at the top of the main window. You could also have buttons to switch between the timetable view, assignment tracker, and grade tracker.
4. **Pop-up Windows:** When the user clicks to add a course, assignment, or exam, open a pop-up window where they can input the necessary information.
5. **Notification Area:** Reserve a small area at the bottom or side of the main window to display notifications.

Iteration 1 detailed User Stories:

1. **Adding homeworks and assignments with time related information:**
Homeworks/assignments are added and scheduled either automatically or manually. When adding, the user is given the option to schedule the activity either automatically or manually. If the user chooses to input it manually, the user chooses a time frame for the event, attaches any additional details to the activity, and sets a due date. If the user chooses to schedule it automatically, details will be entered and an algorithm will choose a specific time frame for it (automatic scheduling will be implemented in other iterations).
2. **Setting up the reminders for the homework/assignments/activities:**
Students should receive alerts about upcoming assignments, when they are due and the time for new event meetings. Students should be able to set these notifications like an hour before class or day before an assignment is due. The idea for this feature is to make sure users are always prepared and never forget about their important duties.
3. **Adding extracurricular activities with activity related information:**
Extracurriculars can be added the same way as homeworks and assignments, but activity related information is also inputted. This can include meeting links, activity locations, extra information for themed events...etc.
4. **Dragging and dropping to reschedule as needed:**
If a user needs to reschedule something, he can simply click on the class assignment and drag it to a new time slot in the calendar. This feature makes it simple to

rearrange items in case users' intentions change. It is an easy tool that lets a user make fast edits without having to remove and re enter their tasks.

5. Adding homework/assignments/activities with a simple form to quickly enter all the necessary info:

The main reason for this feature is to make adding tasks to the planner as a student as easy and quick as possible. The form should only ask the name, subject, due date and the notes about some particular task. This type of form will simplify the process of managing all the tasks and will ensure that the user will always have access to the information that the user requires.

6. Adding recurring activities with specified time gap and activity info:

A user can add a recurring activity the same way they add assignments or homeworks, but the event will occur again and again until specified or until the user manually disables repetition.

7. Adding motivational quotes/study tips when opening the app:

The app will send the user a boost of motivation each time you launch it. The app would display motivational quotations or a helpful study suggestion when you logged in to check your calendar or organize your day. The idea is to provide you with a small dose of inspiration to help you stay motivated about your studies. This will also make users to arrange their notes more effectively. In addition, there will be a feature where a user can turn off from receiving those motivational quotes.