

Criterion A - Analysis

Description of Scenario:

My client is **my brother, Christopher**. He currently is a freshman at another high school. In school, whenever a teacher gives him an assignment, he logs it in a paper planner. This can be really inefficient, as it would be easier to log assignments digitally as to not run the risk of potentially misplacing that one planner and losing information on all the assignments you have **(lines 12-14)**. Making the switch to a digital planner would mitigate that issue. Another problem is that during online school, he is using his computer all day. To make the switch from using the computer all day to using a paper planner for 5 minutes is a very inefficient process. The main thing that the client wants is a digital planner **(line 19)**, that can provide other functions, such as set reminders at a specific time **(lines 21-23)**. He wants a system that is easy and fast to use, contrary to the programs available at the moment **(lines 27-29)**. Additionally, he wants a program that his friends can use as well, as they have run into the same problem that he has **(lines 22-23)**. After consulting with my client, we determined that creating a digital planner with the reminders feature is the best way.

Rationale:

Because my brother is a freshman in high school, he hasn't really developed an optimal way for storing data that he gets from school. The options that his school gives him are very subpar, especially with online learning. I have decided to create a website that will allow him, and other users to log in and see their assignments. The homepage will include a calendar, allowing him to get a brief overview of what his most pressing assignments are. Additionally on the homepage, there will be a taskbar, allowing the user to quickly navigate through the website. There will be a function that displays all of the assignments in chronological order. Additionally, there will also be an option to sort by what is most pressing, or by subject. Within that tab, users have the option to add assignments, edit them, and delete them as well. The add assignment function will have multiple options, ranging from class, to name, to date due, to priority. To add onto that, there will also be a small notes section at the end of the assignment details, to provide a little bit of context into the assignment. Another feature that this website will have is a reminders section. For example, one could use it to remind themselves that they have a meeting with a teacher during lunch, or that they have a sports match after school that they need to come prepared for. This reminders tab will have much more fine tuned, allowing the user to pick exactly what time they want to be notified. When it is time for that reminder, a notification will pop up on the website, showing the student that they have something pressing to attend to. By combining the

functionality of Google Calendar and the Reminders app, it will be much easier to have everything in one place.

Description Of Software Used:

Name of Software	Reason Why
HTML	It's the foundation for my website design. Used to help make the website function and look visually appealing
CSS	Like HTML, used to make the website more visually appealing. Additionally, used to make it more user friendly.
PHP	Used with MySQL to assist in database creation. Additionally, a very solid and non-buggy language to use.
MySQL	What holds my databases. Stores all the data the user inputs.

Success Criteria:

The system should be able to:

1. Allow users to create accounts.
2. Allow users to log in.
3. Display an error message on the login page, if the user inputs the wrong password.
4. Allow users to log out of the system.
5. Allow users to only see their individual assignments.
6. Allow users to only see their individual reminders.
7. Allow users to only see their individual classes.
8. Allow users to create a new assignment.
9. Allow users to customize an assignment. This includes date, class, name, priority, and extra notes.
10. Allow users to edit assignments.
11. Allow users to delete assignments..
12. Allow users to sort the assignments by subject.
13. Allow users to sort the assignments by priority.
14. Allow users to sort the assignments by date.
15. Allow users to create a new reminder.
16. Allow users to customize a reminder. (Date, Time, Name, Notes)

17. Allow users to edit reminders.
18. Allow users to delete reminders.
19. Allow users to create a new class.
20. Allow users to customize the class. (Name, Teacher Name)
21. Allow users to edit classes.
22. Allow users to delete classes.
23. Allow users to see upcoming assignments in the homepage of the website.

Criterion A Word Count: 523