[Sprint Report]

Completed Work

- We have successfully integrated the Python code for the backend, along with HTML+CSS+JavaScript for the front-end, using the Flask module.
- We have successfully created a working calendar system.
  - Can view any month dynamically.
  - Current day is highlighted for better user navigation and understanding.
- We have successfully added buttons to change the user's viewing modes: we can now see the calendar and events from a monthly, weekly, and daily perspective.
  - There are navigation arrows and viewing mode tabs to change views.
- There is a pop-up panel to add events and tasks — currently not functional.
  - Each **event** has the following properties:
    1. Title (required)
    2. Notes (required)
    3. Start Time (required)
    4. End Time (required)
    5. Location (optional)
    6. Repeat (required) — can be once, weekly, or monthly.
    7. Colour (required)
  - Each **task** has the following properties:
    1. Title (required)
    2. Deadline (required)
    3. Priority (required) — this will help the system organize, manage, and prioritize the different tasks inputted by the user.
    4. Colour (required)

<u>Blockers</u>

- The exact details with regards to implementing our core features is still unclear.
- The causes of some existing bugs are still unknown — more debugging is required.
  - There are currently some failures with the JavaScript button listeners, and specifically with regards to how they interact with the Python backend.
- Certain UI elements require additional refinement.
- The pop-up panel for the event and task creation is currently not working, and is not properly interacting with the `add_event` function in the Python backend.
- Still needs to be optimized for mobile devices.

Next Steps

High Priority (! ! ! ! !)	Low Priority (! ! !)	Backlog (!)
- The functionality to add events and tasks is not properly working at this moment, and needs to be fixed. - The users should be able to add, edit, view, and delete tasks and events. - Ability to click on different days to see which events are happening on that day. - Re-organize the "week view".	- The calendar and the sidebar need to be aligned properly. - Improve error handling and provide user-friendly feedback for invalid inputs. - Optimize for mobile devices.	- A notification system to inform the user of when an event is about to begin, or a task is about to become overdue. - Explore the possibility of adding a dark mode and/or different themes to the calendar application. - Add functionality that will allow us to convert to and from `.ics` files, making our application compatible with other calendar software. - Improve the colour-coding for events. - Add a search functionality to allow users to quickly find events or tasks. - Implement exceptions for otherwise recurring events; e.g., skipping a particular instance of a weekly event.