CalendarGPT

Group 3
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Introduction

We plan to enhance ChatGPT, a leading generative AI tool, by integrating an AI-powered calendar and scheduler tailored specifically for post-secondary students. Our application will help students efficiently organize their schedules, deadlines, and daily tasks, offering AI-generated suggestions and manual customization options.

Design Process

1. User research: Conducted interviews with students to identify pain points in task and time management.
2. Low Fidelity Prototypes: Brainstormed and sketched multiple UI concepts to expand on.
3. Medium and High Fidelity Prototypes: Built detailed interactive designs in Figma, refining layout and usability.
4. Cognitive Walkthroughs: Tested key tasks to uncover usability issues to improve on.
5. Iterative Refinement: Addressed feedback by improving navigation, consistency, and user learnability.

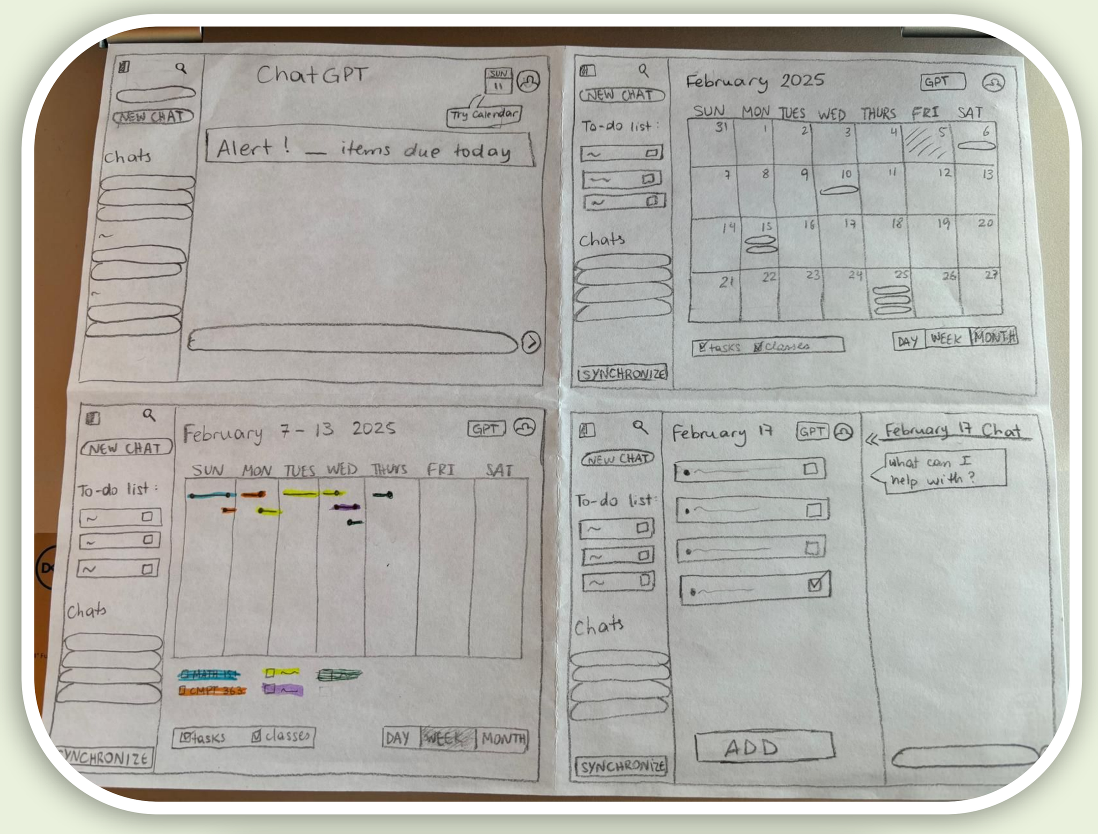
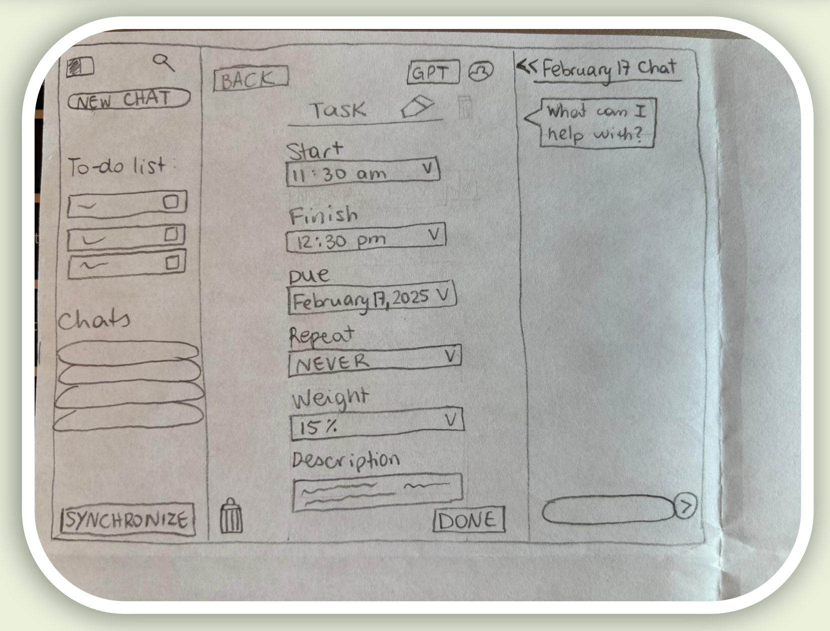
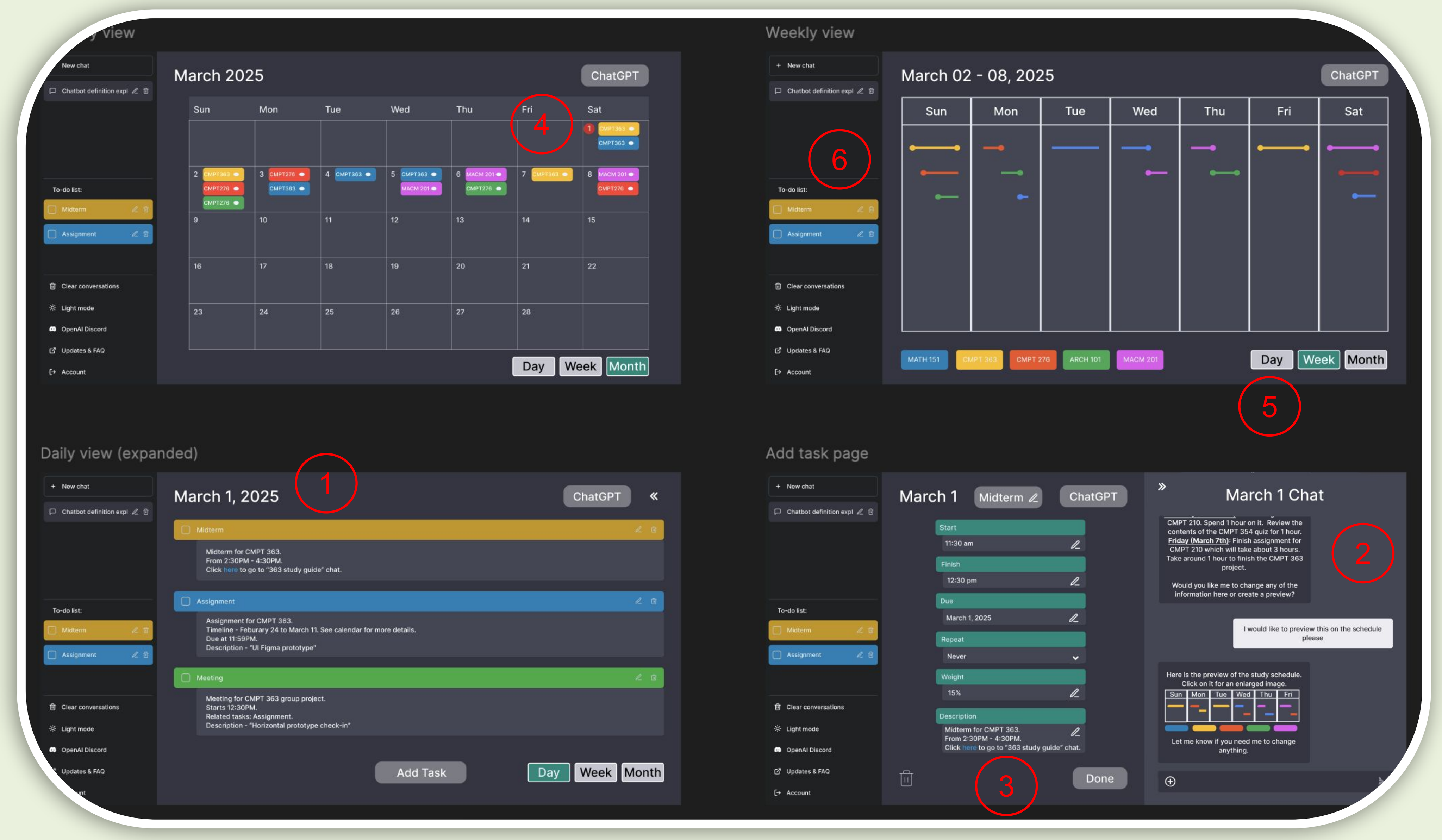
Research

Interviews revealed students face difficulties with:

1. Managing deadlines
2. Coordinating multiple tasks
3. Juggling separate calendar tools

They expressed a desire for an integrated AI-powered scheduling solution within ChatGPT to enhance productivity and simplify daily workflows.

Prototype Evolution

Key Features

AI powered:

1. AI-generated daily to-do lists and descriptions 1
2. Automatic task creation upon user input
3. Weekly schedule generation via chat interaction 2
4. File uploads to generate tasks or schedules from assignment rubrics
5. Automated task handling (editing, deleting) via chat interaction

Usability:

6. Manual task creation and editing for flexibility 3
7. Collapsible/expandable AI chat for ease of use
8. Colour-coded tasks and intuitive reminders 4
9. Reminders and alerts to stay on top of assignments and events
10. Monthly, Weekly and Daily view of tasks 5
11. To-do list to keep track of most important tasks currently 6
12. Chat logs and button to link ChatGPT and Calendar for efficiency

Evaluation and User Testing

Through cognitive walkthroughs, we identified these critical usability issues and iteratively improved our prototypes based on our findings.

1. Missing landing pages
2. Unclear navigation paths
3. Inconsistent button functions
4. Unintuitive task interactions
5. Improper user restrictions with system

Learning Outcome

We learned the importance of clear user feedback, flexible interaction flows, and logical interface organization. Addressing these areas significantly improved our prototype's usability and overall user experience.