ITSS 4381.5u1 Object-Oriented Programming with Python – Summer 2025
Group Project – Part 2

In Part 2 of the project, you will build a working web application using vibe coding. You may:

- Extend your Part 1 project into a web app (e.g., turn your expense manager into a full web-based system), or
- Create something entirely new, inspired by another idea or an existing app.

The goal is to leverage AI tools like Cursor and apply what you've learned about prompt engineering and vibe coding fundamentals to build a real app fast.

You only have one week, so the project doesn't have to be perfect or complex. Focus on clarity, creativity, and working functionality.

Your web app should:

- Be created using vibe coding techniques (AI-assisted coding via Cursor or similar tools).
- Include a PRD (Product Requirements Document) that outlines the app's goals, users, and key features.
- Include at least one interactive feature that responds to user input (e.g., form submission, dynamic display, etc.).
- Be able to run and be demoed in a browser.

Submissions:

- Your slides for presentation
- The PRD file (.md)
- A ZIP file that contains all the code

Final Presentation:

Each group will present in class. The presentation should be no longer than 12 minutes, and should cover:

- What your app does – give a clear, quick overview.
- The vibe coding process – what prompts you used, how you iterated, what worked well, and what didn't, etc.
- Live demo – show us the working app in the browser.

Be ready for brief Q&A from your classmates.

Grading:

This project is peer-reviewed. Each student will vote for five projects (excluding their own) that they liked the most based on creativity, usefulness, and how well the app runs.

Grading Breakdown:

- Top 5 projects (by votes): 10 points
- Middle 5 projects: 9 points
- Bottom 4 projects: 8 points

Bonus Points (applied on top of the base score):

- 1st place: +3 bonus points
- 2nd place: +2 bonus points
- 3rd place: +1 bonus points