Project Status Report

Group 2

CompareCart

Software Engineering Fall 2024

CS673 A1

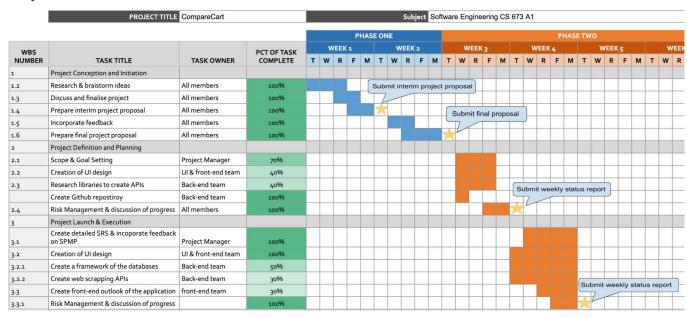


Siming Zhao Zichen Wang Yifei Wang Jingwei Ma Sifat Singh Khalsa

Overall project status

The team has created the attached Gantt chart to document all tasks and ensure clear visibility of progress among members.

Project Timeline



Please refer to the attached link to view the entire gantt chart: Link

Meeting

- Meeting Agenda (Friday Meeting)
 - UI Design and Frontend Development Discussion:
 - Review the current progress of UI design.
 - Discuss new functionality and UI components for the upcoming sprint.
 - Frontend and Backend Integration Plan:
 - Define communication protocols and APIs needed for upcoming features.
 - Set expectations for the next phase of frontend and backend synchronization.
 - Next Steps for Frontend Development:
 - Outline the immediate development tasks for the frontend team.
 - Address any potential blockers or dependencies on backend work.
 - Backend Design:
 - Database design: variables, tables, where to host the database.
 - Data source: Web scraping. Scraping targets and scraping methods.
- Meeting Minutes (Friday Meeting):
 - Discussion on UI Design: The UI designer presented the draft designs for the upcoming feature set. Feedback was gathered, and minor adjustments were proposed.
 - Frontend Development: Tasks for the next sprint were outlined, focusing on integrating new UI components. The timeline for feature completion was confirmed

- as 2 weeks.
- Backend Integration: Frontend and backend engineers discussed necessary API changes. Key endpoints were identified and scheduled for development.
- Backend Design: Discussed the key data users care about for comparisons, where to source the data, how to design and host the database accordingly, and how to display it effectively on the front end.
- o Decisions Made:
 - Draft UI designs were approved.
 - Frontend tasks were prioritized for the next sprint.
 - Key variables and how to source them on the internet were decided...
 - Database prototype was designed, platform used to host the database was decided.
 - Backend API adjustments were agreed upon, with a timeline for completion by next two weeks.

Team Members Individual Contributions:

The team has commenced work on bringing our concept, CompareCart, to life. Each member has proactively assumed responsibility for their respective domains, and a detailed breakdown of these assignments is provided below.

Members	Tasks	Description
Sifat Singh Khalsa	Created SRS document and incorporated feedback on SPMP.	Created a Software requirements specifications document outlining the high level requirements of the application along with the user stories. Updated the SPMP and worked on finalizing the UI design.
Siming Zhao	User Interface Design	Used Figma to create a draft of the detailed interface and function of the project. Discuss the current progress of UI design with front-end developers.
		Link: https://www.figma.com/design/qXcyPpvhPvh Y5XkwQ991BW/CS673-Project?node-id=0-1 &t=bvvbq2hVWYdUCtDm-1
Zichen Wang		Continue to learn backend related knowledge. Design a real-time network information crawling system that can access websites based on URLs. Set the browser-related parameters (port number and browser path) read from the configuration file. Initialize the browser according to these parameter configurations. Set the specified target URL to access and output relevant status information.

Yifei Wang	Backend Development	Focused on finalizing the database design, which includes five tables: Stores, Categories, Items, Prices, and Reviews, along with their corresponding keys and relationships. We also discussed and agreed on the platform for running the database, deciding to host it on an online platform. Lastly, we successfully set up the database on Firebase, which will be used for further development.
Jingwei Ma	Front end development	Created the front-end project and set up API integration for communication with the backend. Collaborated with the UI designer to ensure the front-end aligns with the Figma design. Implemented the necessary features and UI elements to ensure smooth user interaction with the backend services. Create the Components prototype

Github Repository - The team has established the GitHub repository mentioned below to securely store all project-related documents and track the progress of our work.

Link: https://github.com/ZichenWangBU/CS673_Team2_CompareCart