

Project Status Report

Group 2

CompareCart

Software Engineering Fall 2024

CS673 A1



Siming Zhao
Zichen Wang
Yifei Wang
Jingwei Ma
Sifat Singh Khalsa

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

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Meeting

- https://docs.google.com/document/d/1TF8BVoJTp30nJOVTE2_CmUNeN1OV43HH1OsjTRcqGtU/edit

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.
- 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/qXcyPpvhPvhY5XkwQ991BW/CS673-Project?node-id=0-1&t=bvvbq2hVWYdUCtDm-1
Zichen Wang	Backend Development	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