

# **Project Status Report**

## **Group 2**

### **CompareCart**

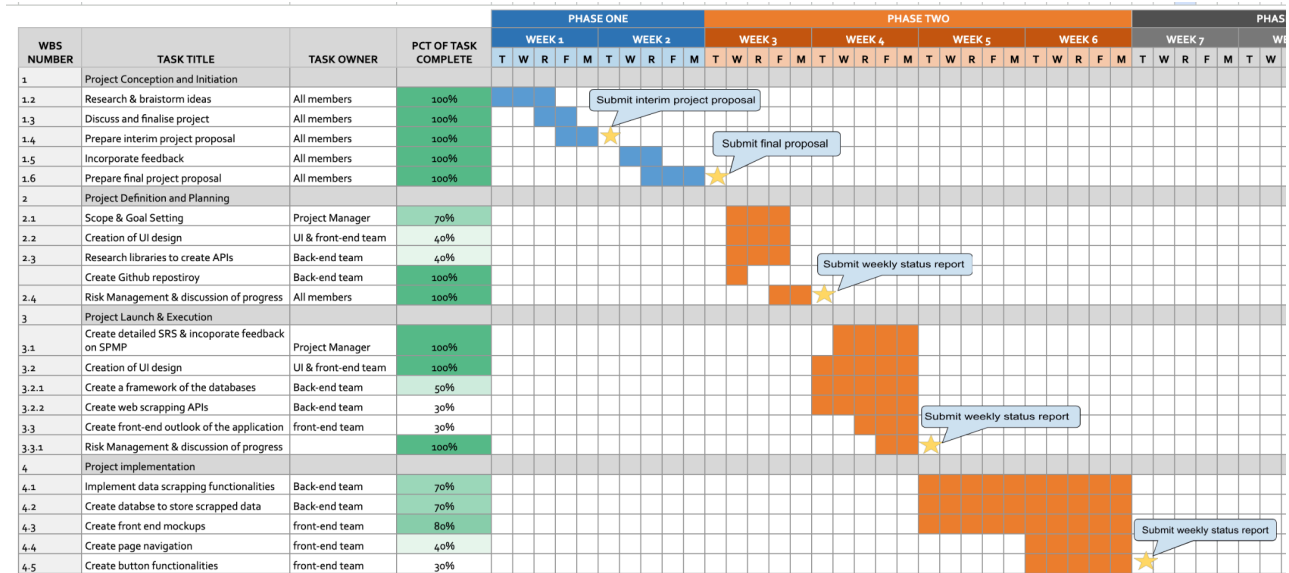
**Software Engineering  
Fall 2024**

**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.



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.
- 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	Front End Development & Software Design Document Creation	Worked on coordinating with both departments to compile complete project architecture and created the software design document. Worked on the development of the application's navigation features. Worked on implementing and optimizing various button functionalities, including handling user interactions such as clicks & redirects
Siming Zhao	User Interface Design Testing	Reviewed and optimized the existing test cases to align with the latest product requirements, participated in discussions with the development and product teams, ensuring comprehensive coverage of potential edge cases and exception handling processes.
Zichen Wang	Backend Development	<p>1.Bug Fix Attempts: We have made multiple attempts to resolve the identified bugs, but they have not been successful so far. Further debugging and troubleshooting efforts are ongoing.</p> <p>2.Backend of Software Design Document (SDD): Collaborated with Yifei to complete the backend part of the Software Design Document.</p> <p>3.Feature Development Plan: We are planning</p>

		to introduce new functionality to capture product images and URLs. This enhancement will improve data extraction capabilities and provide more comprehensive information for our system.
Yifei Wang		Downloaded additional data to expand the dataset. However, attempts to connect this data with the frontend have encountered challenges, resulting in limited progress. Future plans: fix platform compatibility issues (cannot run firebase and react together), data consistency( data formats are different in all sources)
Jingwei Ma	Front end development	Updated the front-end architecture, Made improvements to the front-end of the project and set up API integration for communication with the backend.

**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](https://github.com/ZichenWangBU/CS673_Team2_CompareCart)

**Initial Page Views & Mockups:**

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