

Project Status Report

Group 2

CompareCart

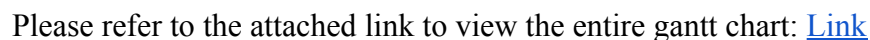
**Software Engineering
Fall 2024**

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.



- 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 Implementation:
 - Discuss on how to implement product image scraping, storing and displaying.
 - Discuss endpoint api requirements to make sure the back-end can handle search requests from the front end.
- 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 Implementation: Tested the implementation of image scraping. Discussed two ways of storing and displaying images and how to implement it. Made an agreement on endpoint api to be implemented and set a timetable for it.
- Decisions Made:
 - Draft UI designs were approved.
 - Frontend tasks were prioritized for the next sprint.
 - To display images which cannot be stored in the database, we decided to store it in Google Cloud and store an url in the database.
 - 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	Enhanced the application's user interface by refining the frontend design, elevating the visual appeal and usability to create a more professional and user-friendly experience.
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	<ol style="list-style-type: none">1. Fixed the issue where the comment count could not be scraped from the Amazon website. The functionality has been repaired to ensure accurate comment count retrieval.2. Resolved an issue affecting scraping speed, resulting in a significant performance improvement.3. Added functionality to scrape product URLs and images. This enhancement extends the scope of data collected, providing more comprehensive product information.

Yifei Wang		<p>1.Fixed an issue with the browser compatibility.</p> <p>2.Added a feature of displaying images by adding a url link to the image in the database and storing the data in Google Cloud.</p> <p>3.Discussed with Jingwei and implemented the endpoint api to give data to the front end and call search from the front end.</p> <p>4.Worked on the tree of item classification to make a better index.</p>
Jingwei Ma	Front end development	<p>Updated the front-end architecture, Made improvements to the front-end of the project and set up API integration for communication with the backend. Implement the compare page. Implement the home page. Implement the detail product page.Implement the Search Bar</p>

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

Initial Page Views & Mockups:

