Project Status Report

Group 2

CompareCart

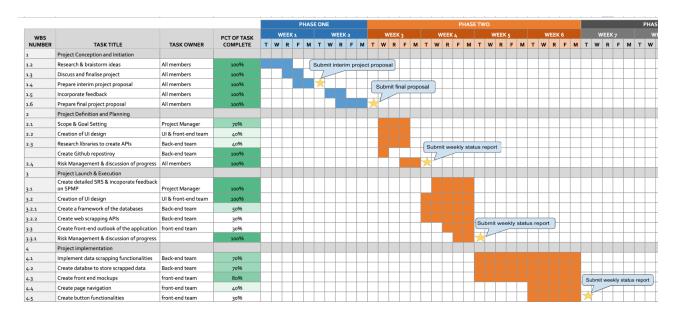**Software Engineering**
Fall 2024

CS673 A1

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Jingwei Ma
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Overall project status

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

WBS NUMBER	TASK TITLE	TASK OWNER	PCT OF TASK COMPLETE
1	Project Conception and Initiation		
1.2	Research & braistorm ideas	All members	100%
1.3	Discuss and finalise project	All members	100%
1.4	Prepare interim project proposal	All members	100%
1.5	Incorporate feedback	All members	100%
1.6	Prepare final project proposal	All members	100%
2	Project Definition and Planning		
2.1	Scope & Goal Setting	Project Manager	70%
2.2	Creation of UI design	UI & front-end team	40%
2.3	Research libraries to create APIs	Back-end team	40%
	Create Github repostiroy	Back-end team	100%
2.4	Risk Management & discussion of progress	All members	100%
3	Project Launch & Execution		
3.1	Create detailed SRS & incoporate feedback on SPMP	Project Manager	100%
3.2	Creation of UI design	UI & front-end team	100%
3.2.1	Create a framework of the databases	Back-end team	50%
3.2.2	Create web scrapping APIs	Back-end team	30%
3.3	Create front-end outlook of the application	front-end team	30%
3.3.1	Risk Management & discussion of progress		100%
4	Project implementation		
4.1	Implement data scrapping functionalities	Back-end team	70%
4.2	Create databse to store scrapped data	Back-end team	70%
4.3	Create front end mockups	front-end team	80%
4.4	Create page navigation	front-end team	40%
4.5	Create button functionalities	front-end team	30%

The Gantt chart spans PHASE ONE (Weeks 1–2), PHASE TWO (Weeks 3–6) and PHASE THREE (Weeks 7–), with weekly columns labelled T W R F M. Callouts note: "Submit interim project proposal", "Submit final proposal", and "Submit weekly status report".

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 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 redesigning the software for enhanced visual appeal and integrating the frontend

with the backend. 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	Redesigned and optimized the application's user interface, enhancing visual appeal and usability to deliver a more polished and user-friendly experience. Conducted comprehensive testing of all front-end functionalities to ensure seamless operation and the reliability of all features and interactive elements.
Siming Zhao	User Interface Design Testing	Wrote test cases, performed functional testing based on the cases, and wrote unit tests. At the same time, set up interface automation testing.
Zichen Wang	Backend Development	1.Resolved the issue of failed product scraping from the BestBuy and Alibaba websites. 2.Analyzed the root causes of the product scraping failures.
Yifei Wang	Back end development	1 Finished the tree of item classification to make a better index and downloaded more item data according to the tree. 2.Added authentication feature to allow users to create an account and log in.

		3.Completed the search api. Made the search more accurate by adding keywords contracted from the description.
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. Implement the compare page. Implement the home page. Implement the detail product page.Implement the Search Bar. Integrate the backend and frontend. Implement the search api in the frontend

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 to the front end: https://github.com/ZichenWangBU/CS673_Team2_CompareCart
Link to the back end: https://github.com/MJW2001/CompareCart

Initial Page Views & Mockups: