

Prime Time eCommerce: Sprint 1

CSC 4350 Software Engineering, Fall 2023 | Group 3 | September 5th, 2023

Members: Isaac Harris, Yonatan Teklu, Natania Tedla, Leah Cheong, Amrith Balaguhan

Section 1

- a. *Name of the project:* Prime Time eCommerce
- b. *Semester:* Fall 2023
- c. *Group Number:* 3
- d. *Team members:* Isaac Harris, Yonatan Teklu, Natania Tedla, Leah Cheong, Amrith Balaguhan
- e. *Date of Submission:* Sept 3th, 7 pm

Section 2: Brief resumes

- a. My name is Isaac. I have interests in both computer hardware and software. My resume can be found [on SkillsFirst](#) and a small sample of my work can be found [on my Github profile](#). I primarily use Python and Java for programming and testing, and Podman for deployment.
- b. My name is Amrith Balaguhan. I have a broad understanding of IT and Software Concepts and I'm currently interested in Analytics and Data Science. My resume is [here](#).
- c. My name is Leah Cheong. I had an internship over the summer; however, I used a software called Drupal throughout the internship, and there wasn't much coding involved. I would say it was more on the IT side. I have taken mainly networks classes including Computer Networks and currently taking Mobile Comp and Wireless Net. Languages that I'm the most familiar with would be Java and C.
- d. My name is Yonatan Teklu. I have interests in both backend and front-end coding. Over the summer I taught basic computer science concepts to students K-12 around Georgia. I've taught small courses in javascript, css, and app development.
- e. My name is Natania Tedla. I am an undergraduate CS student beginning my fourth year here at GSU. I have experience with Java, HTML, CSS, PHP, and MySQL, which are the languages I am most comfortable with. Currently, I'm taking Mobile Computing and Wireless Network Security.

Section 3: Scheduling and planning table for A1

Assignee Name	Email	Task	Duration (hours)	Dependency	Due Date	Evaluation
Natania Tedla (coordinator)	ntedla3@student.gsu.edu	Created Discord server for communication, collaborated through voice channel and discussed project together	2 hrs	Discord	9/5/23	100%
Yonatan Teklu	yteklu1@student.gsu.edu	Contacting Client and presenting client's business to the team. Technical writing	2 hrs	Discord	9/5/23	100%
Leah Cheong	lcheong1@student.gsu.edu	Collaborated through voice channel on discord and worked on everything together	2 hrs	Discord	9/5/23	100%
Amrith Balaguan	ebalaguan1@student.gsu.edu	Technical Writing, Collaboration through discord voice channel	2 hrs	Discord	9/5/23	100%
Isaac Harris	iharris9@student.gsu.edu	Create Github repo	2 hrs	Discord (sharing contact info)	9/5/23	100%

For this project, we will be using an agile approach for our development process. We chose this process because we are working with an actual client who we need to consult and discuss our development with as we create a website for him. Having a rigid, plan-driven format would hinder our progress because of how we need our development process to be flexible in order to accommodate the needs of our client.

Section 4: Problem Statement

a. What is your product, on a high level?

The product is a full ecommerce marketplace themed around allowing users to find, track, and purchase limited-run shoes while promoting the related social media pages.

b. Whom is it for?

The product is a general single-seller ecommerce platform for anyone who wants to limit store access to an approved set of users.

c. What problem does it solve?

It allows the client to formalize the e-commerce business and give it a public webpage, in addition to being a source for the client to advertise a discord subscription.

d. What alternatives are available?

eBay is an alternative, but does not offer features like tracking shoe launches. Amazon is an alternative, but does not allow the seller to direct users to a paid Discord server for discussion. Sellfy and Shopify both provide the tools to buy and sell, but are fully digital marketplaces, without the ability to physically ship items.

e. Why is this project compelling and worth developing?

This project is worth developing because it will provide an organized, tailored space for our client to display the products that he procures for his business while also making it so he can directly and quickly complete transactions with his clientele.

f. Describe the top-level objectives, differentiators, target customers, and scope of your product.

The top-level objectives are to deliver a webpage that the client can offer to customers to buy products directly, and simultaneously advertise a Discord server that would give the user an insight into what shoes are going up on sale, among other things. The incorporation of this Discord server is a differentiator in this product, as it is not a usual feature of many e-commerce websites. The target customers are people who are looking to buy limited-run shoes at prices that are cheaper relative to the market.

g. What are the competitors and what is novel in your approach?

The competitors are other shoe sellers with the same objectives as primetime LLC, which is to have a marketplace to sell shoes to any wanting customers. Many of these sellers do not have very technical systems and it makes for questionability on the buyer if they should trust these sellers. Our approach is to make the company website something that feels very trustable and official as any other LLC.

h. Make it clear that the system can be built, making good use of the available resources and technology.

Because there's many e-commerce websites on the internet, we have a good and broader idea of what to incorporate into our project as well as being able to add qualities that would make our project more unique and different to the ones that are available online (such as adding discord into our site)

i. What is interesting about this project from a technical point of view?

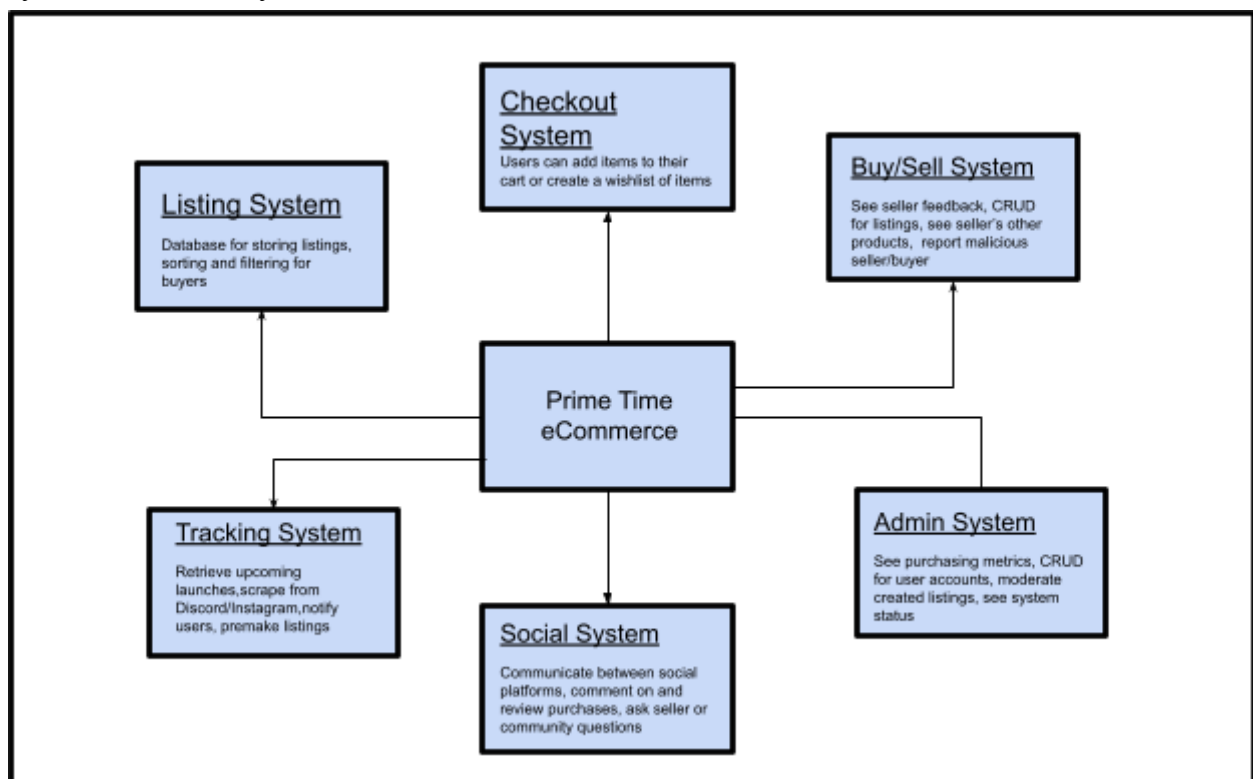
This project is interesting from a technical point of view in how it incorporates both sellers and buyers in the same platform for the sale of shoes, which is something that will be accomplished through the service's backend using a database language, such as SQL via SQLite.

j. **Do you have a client login and an admin login?**

Yes. Clients will be able to log in through a traditional user+pass combination or sign in a third party sign-on service not yet decided upon (likely Discord or Google). The admin will use the same login mechanism.

Section 5: System Requirements --- Follow the context Diagram

Systems that we may need:



Section 6: Appendix

