

Sprint 2

Group members: Contributions

Andrew Ellender (Sys Arch): 20%

Justin Gatlin (Sprint Deliverables): 20%

Fikir Gebremedhin (Features): 20%

Alyse Goodyear (Design Doc): 20%

Joshua Guillot (Use Case): 20%










GitHub Repository Link: <https://github.com/Drewe4401/-CSC4330ProjectGroupC>

GitHub Project Link: <https://github.com/users/Drewe4401/projects/1>

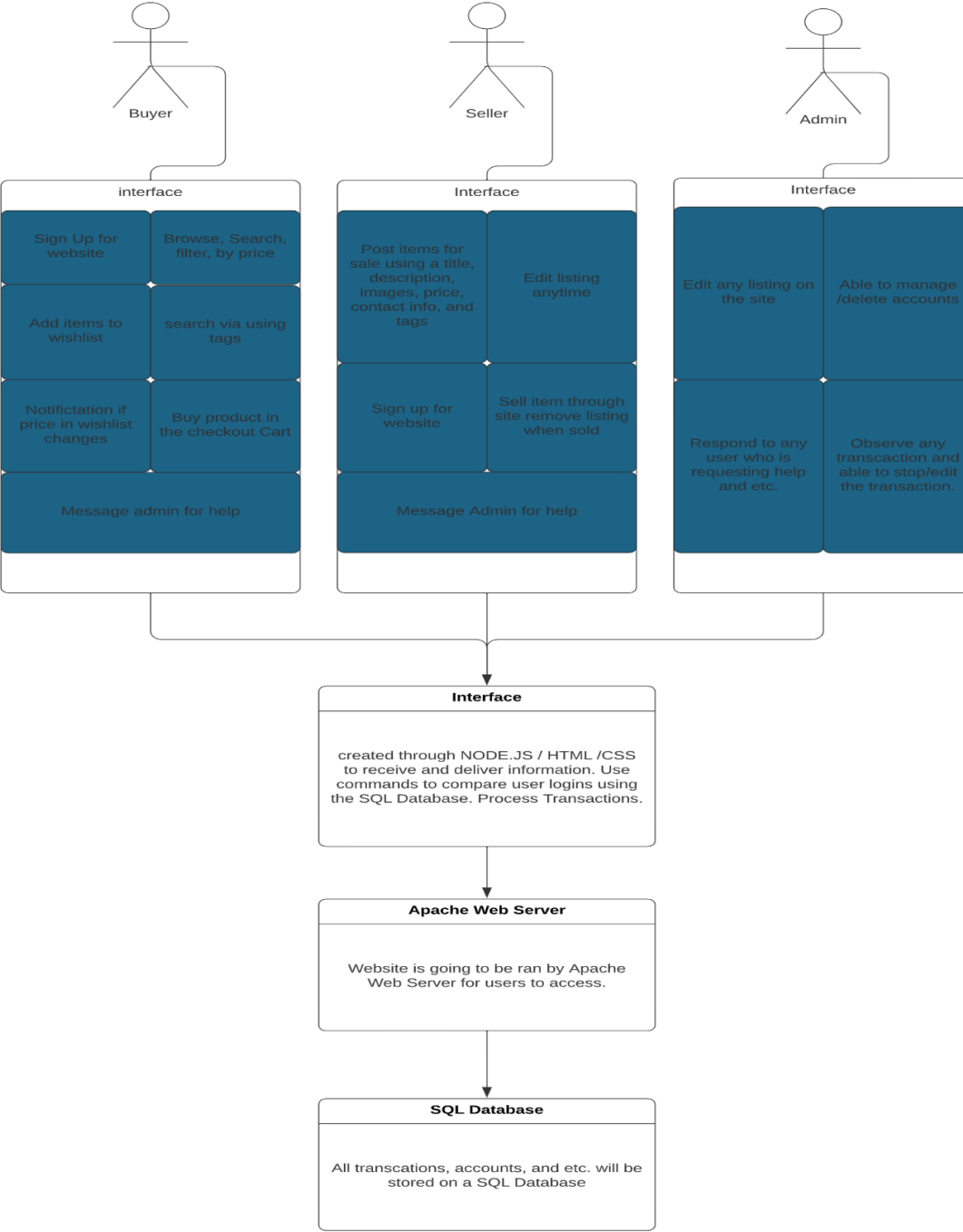
Sprint Backlog

4	✔ Sprint 2	 AlyseGoodyear,  Drewe4401,  FikirGebremedhin,  JMer	Done	Sprint 2
5	✔ System architecture greater de	 Drewe4401	Done	Sprint 2
6	✔ Sprint Deliverable for 1st Sprin	 JMerk2000	Done	Sprint 2
7	✔ Use Cases	 Joshg2514	Done	Sprint 2
8	✔ Design Documents	 AlyseGoodyear	Done	Sprint 2
9	✔ Feature Descriptions	 FikirGebremedhin	Done	Sprint 2

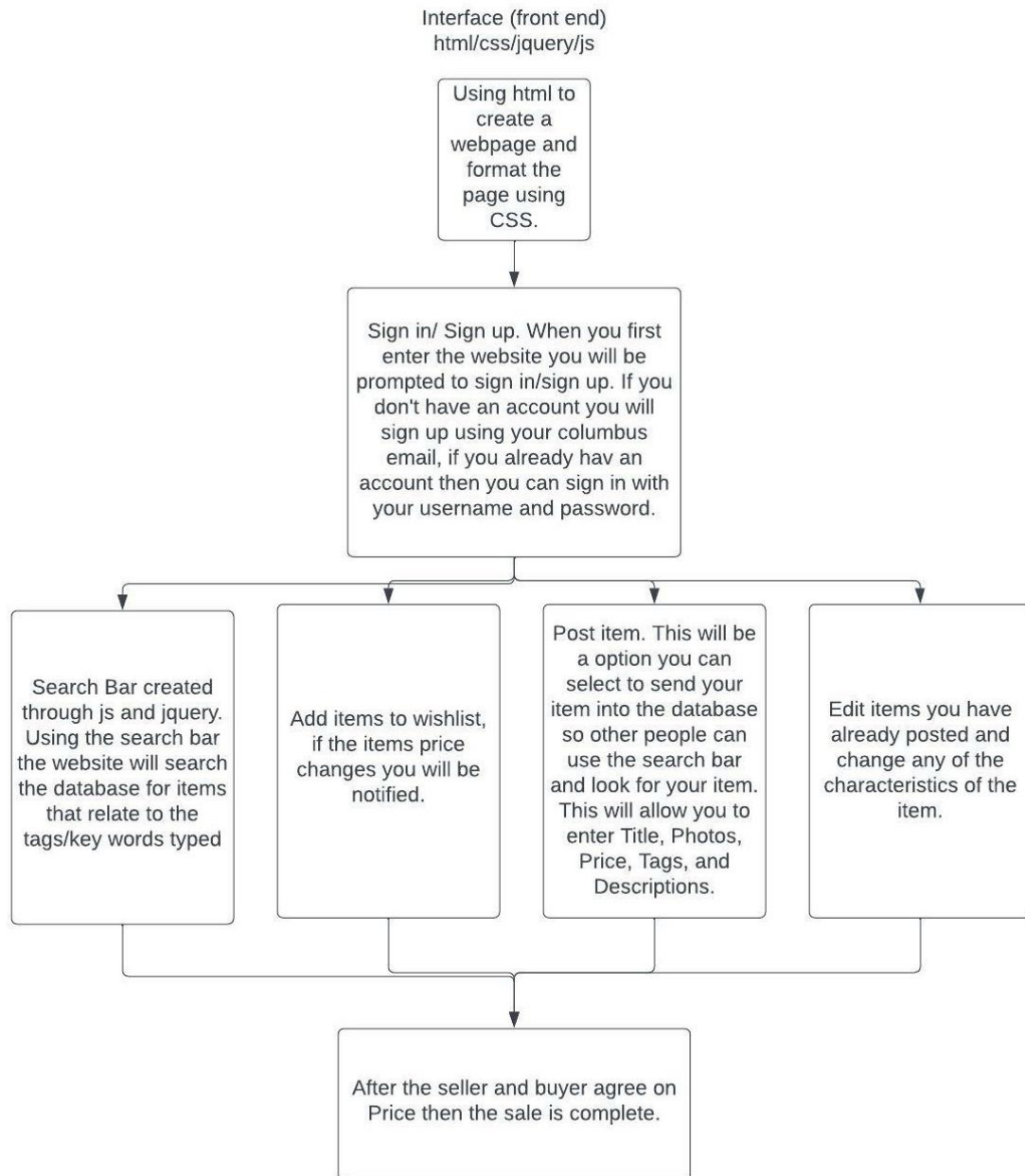
Project Backlog

1	✓ sprint 1	 AlyseGoodyear, Drewe4401, FikirGebremedhin, JMeri	Done	Sprint 1
2	✓ Stories/Scenarios	 AlyseGoodyear and FikirGebremedhin	Done	Sprint 1
3	✓ System Architecture	 Drewe4401, JMerK2000, and Joshg2514	Done	Sprint 1
4	✓ Sprint 2	 AlyseGoodyear, Drewe4401, FikirGebremedhin, JMeri	Done	Sprint 2
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21	○ Project Demo			

System Architecture



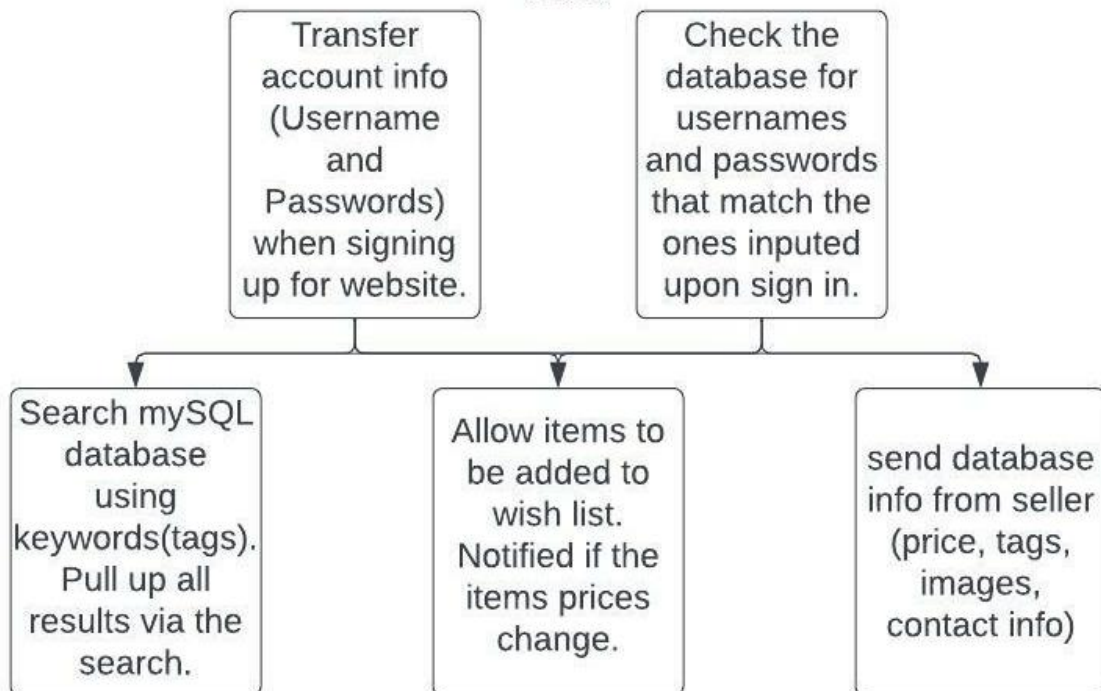
System Architecture Interface



System Architecture Backend Server

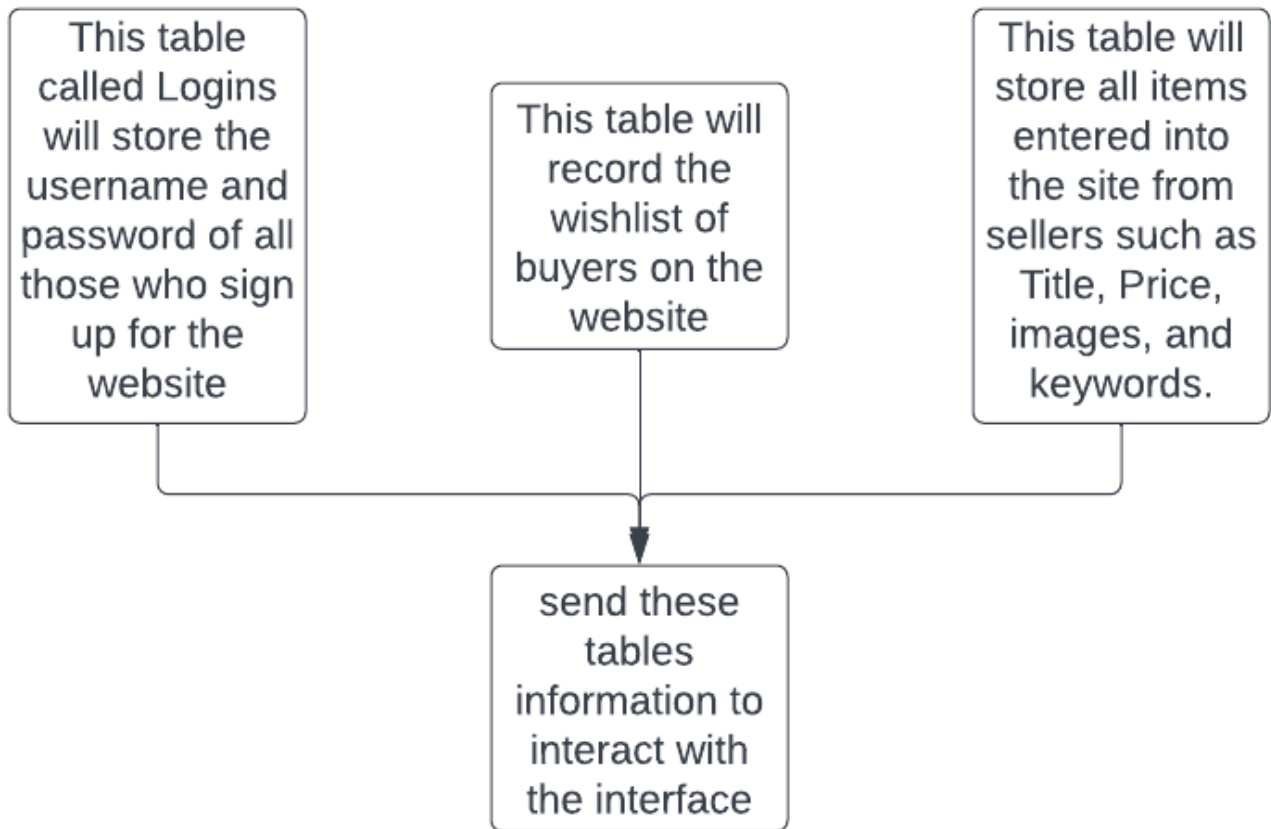
Backend Server Microservice Architecture

"Using Node.js to
transfer information
from the frontend to the
database and vice
versa"

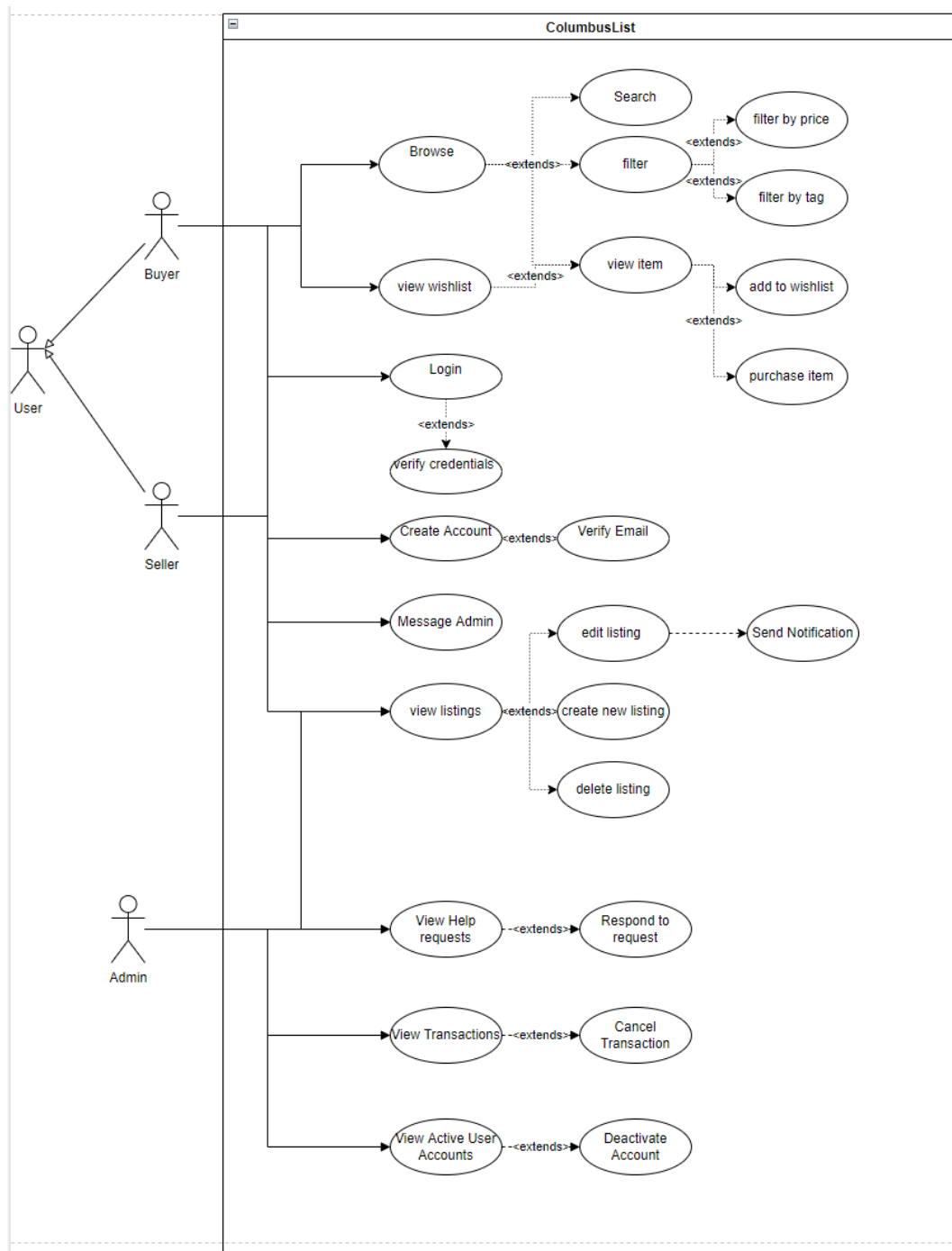


System Architecture Database

Database mySQL



Use Case



Design Document

Overview:

- A website to be used by Columbus Students to securely buy and sell items.

Context:

- To use this website, students will need to verify they have a Columbus email account.

Goals:

- Use NODE.JS/HTML/CSS to receive and deliver information
- Use SQL databases to compare and store user information
- Use Apache Web Server to run the website

Milestones:

- February 22: Stories/Scenarios and System Architecture
- March 22: System Architecture, Use Cases, Feature Descriptions, Design Document, and Sprint Deliverables
- April 5: Test Plan, Results, and Sprint Deliverables
- April 26: Working Product, Design Document, Test Plan/Results, Final Project Deliverable and All Sprint Deliverable
- April 28: Project Demonstration

Proposed Solution:

- Buyer:
 - As a buyer, they are allowed to sign up for the website as well as browse, search, and filter items by price. The buyer can then add items to their wish list and search for items by using tags. The buyer can enable notifications if the price of an item on their wish list changes. They can then buy the product in the checkout cart and message administration for help if needed.
- Seller:
 - As a seller, they are allowed to sign up for the website as well as post items for sale using a title, description, images, price, contact info, and tags. The seller can edit their listing at any time and remove their listing once the item is sold, as well as message the administration for help if needed.
- Administration:
 - As an administrator, they can edit any listing on the site, as well as manage and delete accounts. The administrator can respond to any user who is requesting assistance and

observe any transaction. They are also able to stop or edit, and transactions that are taking place.

- Cross-Team Impact:
 - By using this solution, it allows students to be able to safely interact with other students to buy and sell common things. These things can include anything from used textbooks to used desks and appliances. While creating this website, all transactions and accounts will be securely stored in a SQL Database, so security should not be a problem.

Features

Buyer Story

Persona: Kea. 23 years old. Full-time 4th-year psychology student at Columbus university who bartends after school. Kea has average experience with technology and has used similar websites in the past. She wants to purchase a study desk.

Scenario: Her study desk broke last week, and she wants to purchase one on ColumbusList.

Story: I would like to be able to log in using my school email credentials. I would like to be able to browse recently added items and search items by classification. I would also like to filter search results by price. I would like to be able to make a Wishlist of items I'm interested in so I can come back and access them easily. It would be great if I got a notification if the price for an item in my Wishlist gets updated.

Seller Story

Persona: Mike is a 20-year-old second-year Columbus Computer Science student. He enjoys going to class and learning as much as he can. Mike likes finding newer and easier ways to do things that benefit him.

Scenario: Mike wants to sell his intro to a computer science book. He has not used this book since he left the class. As a Columbus student, he has the option to use the campus website, ColumbusList, to sell his book to other students that might need it.

Story: As a Columbus student, I want to be able to easily sell old textbooks without having to worry about being swindled by nonstudents. By using the university-issued email that ends in @columbus.edu to access the page, I am insured that only students will see my post. When I decide to start on the process of listing my book for sale, I will need to fill out needed information that includes a title, description, images, price, contact information, and tags.

Descriptions:

As a buyer, I would like to log in using my school email credentials.

As a buyer, I would like to browse recently added items and search items by classification.

As a buyer, I would like to filter search results by price.

As a buyer, I would like to make a Wishlist of items.

As a buyer, I would like to get a notification if the price for an item in my Wishlist gets updated.

As a seller, I would like to use the university-issued email that ends in @columbus.edu to access the page.

As a seller, I would like to fill out needed information that includes a title, description, images, price, contact information, and tags.

Constraint:

Users must have an active university-issued email address for initial authentication.

Comments:

Based on the stories of Kea and Mike.

Features of the site:

- Uses a school-issued email ending in @columbus.edu to register and log in.
- Has a page for recently added items.
- Has a search bar to search items based on classification.
- Can filter search results by price.
- Has a page for wish list items
- Sends notifications when prices for wish list have been updated.
- The page for sellers asks for information such as title, descriptions, images , prices, contact information, and tags before uploading the item for sale.

Sprint 1

Group members: Contributions

Andrew Ellender (Sys Arch): 20%

Justin Gatlin (Sys Arch): 20%

Fikir Gebremedhin (Buyer Stories): 20%

Alyse Goodyear (User Scenarios): 20%

Joshua Guillot (Sys Arch): 20%
















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System Architecture

