

## **CSC 4330 Group F**

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Andrew Little**

**Austin Kirk:** System architecture diagram update and design  
diagrams

**Evan Kiser:** Feature list derived from user stories

**Han Lee:** Updated sprint backlog and design diagram

**Nicholas Levergne:** Feature list, login functionality, updated  
project backlog, and deliverable

**Andrew Little:** Feature list and design diagrams

<https://github.com/nickleverge/CSC4330ProjectGroupF>

## ***SPRINT 2 DOCUMENTS***

### **Feature Descriptions Using User Stories**

#### **Description**

##### **1. Login**

- a. As a user, after I login I want to be redirected to the homepage

##### **2. View Home Page**

- a. As a user, I want to be able open the homepage so that I can view, search, and filter through listings.

###### **i. View**

- 1. I want to be able to view listing so that I can see the title, price and tags before clicking to get the rest of the details.

###### **ii. Search**

- 1. I want to be able to search what is for sale so I can find exactly what I need.

###### **iii. Filter**

- 1. I want to be able to filter by price so that I can find listings in my price range.

##### **3. View Wishlist**

- a. As a user, I want to be able view my Wishlist so I can add listings.

###### **i. Add**

- 1. I want to add listings so I can watch for price changes

##### **4. View Profile**

- a. As a user, I want to be able to access my profile page so that I can edit or remove my listings

###### **i. Edit Listings**

1. I want to be able to edit all the details in my listings I created.

## ii. Remove Listing

1. I want to be able to remove listings that I created that have been purchased.

## 5. Create New Listing

- a. As a user, I want to create a new listing that contains a title, description, images, price, contact information, and tags.

### i. Title

1. I want to be able to add a title to concisely give the buyer an idea of what the item is.

### ii. Description

1. I want to be able to add a description to the listing so I can answer common questions potential buyers may have about the product.

### iii. Images

1. I want to be able to upload images of the product/service I want to sell to give the buyer a better idea of what they're getting.

### iv. Price

1. I want to be able to add a price so that I can only attract buyers that can afford my listing.

### v. Contact information

1. I want to be able to add contact information to my listings so that potential buyers can contact me to buy the product.

### vi. Tags

1. I want to be able to select a pre-defined categories for easier search abilities.

## 6. Notifications

- a. As a user, I want to get notifications for transaction requests and Wishlist updates

- i. Transaction Request

- 1. I want to get notifications for when someone wants to arrange a transaction.

- ii. Wishlist

- 1. I want to get a notification if the price of an item on my Wishlist is changed so that I can decide if I want the product/service.

## 7. Payment Action

- a. As a user, I want to be able to securely pay a seller for a product/service so that I can safely pay online.

## 8. Report Action

- a. As a user, I want to have access to a report button to help prevent suspicious account activity.

## 9. Logout Action

- a. As a user, I want to be able to logout of my profile so that no one can access my account when I am not at my computer.

## Constraints

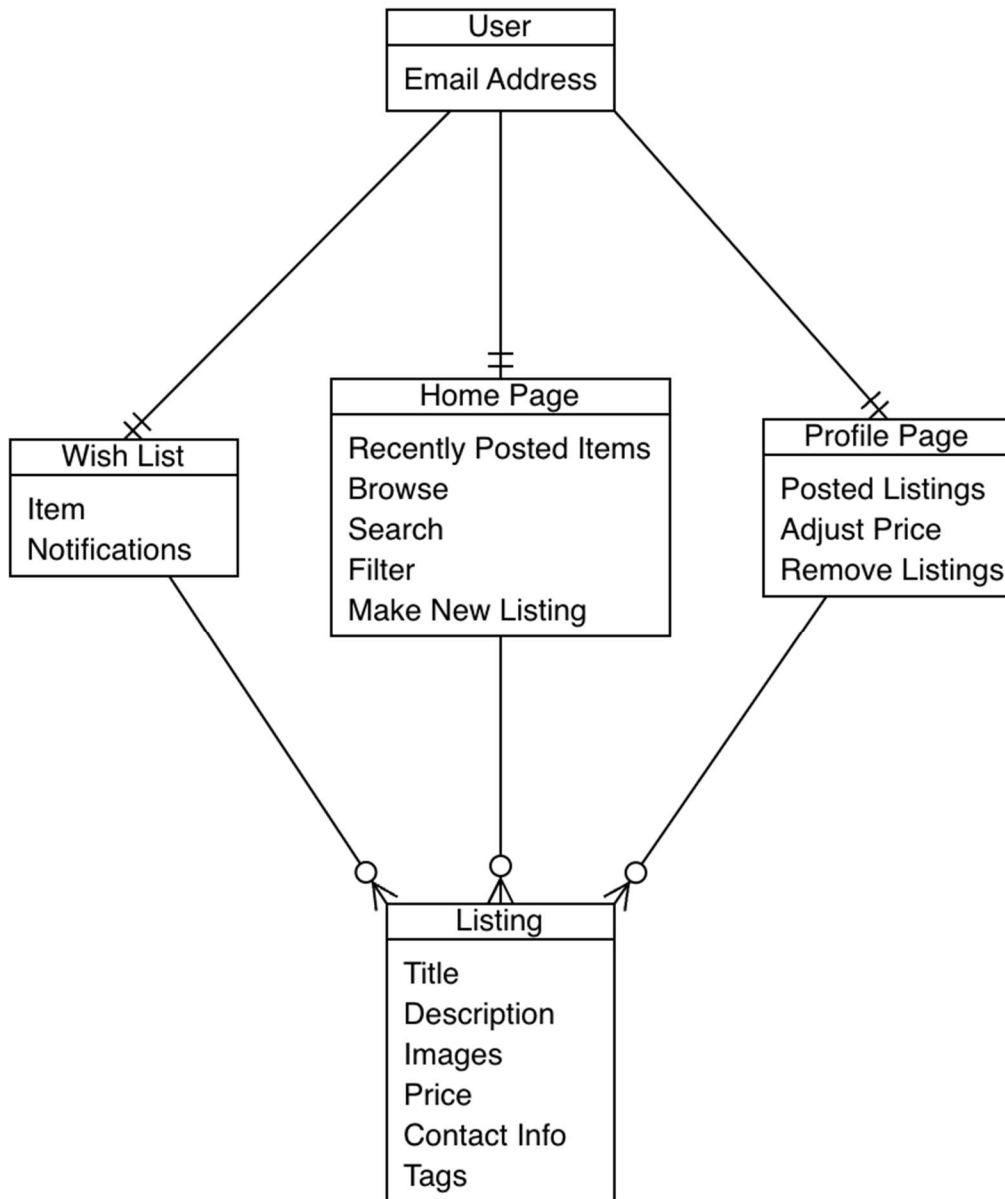
### 1. Sign up

- a. Users can only gain access to the website after they sign up and that their email is verified as a school email.

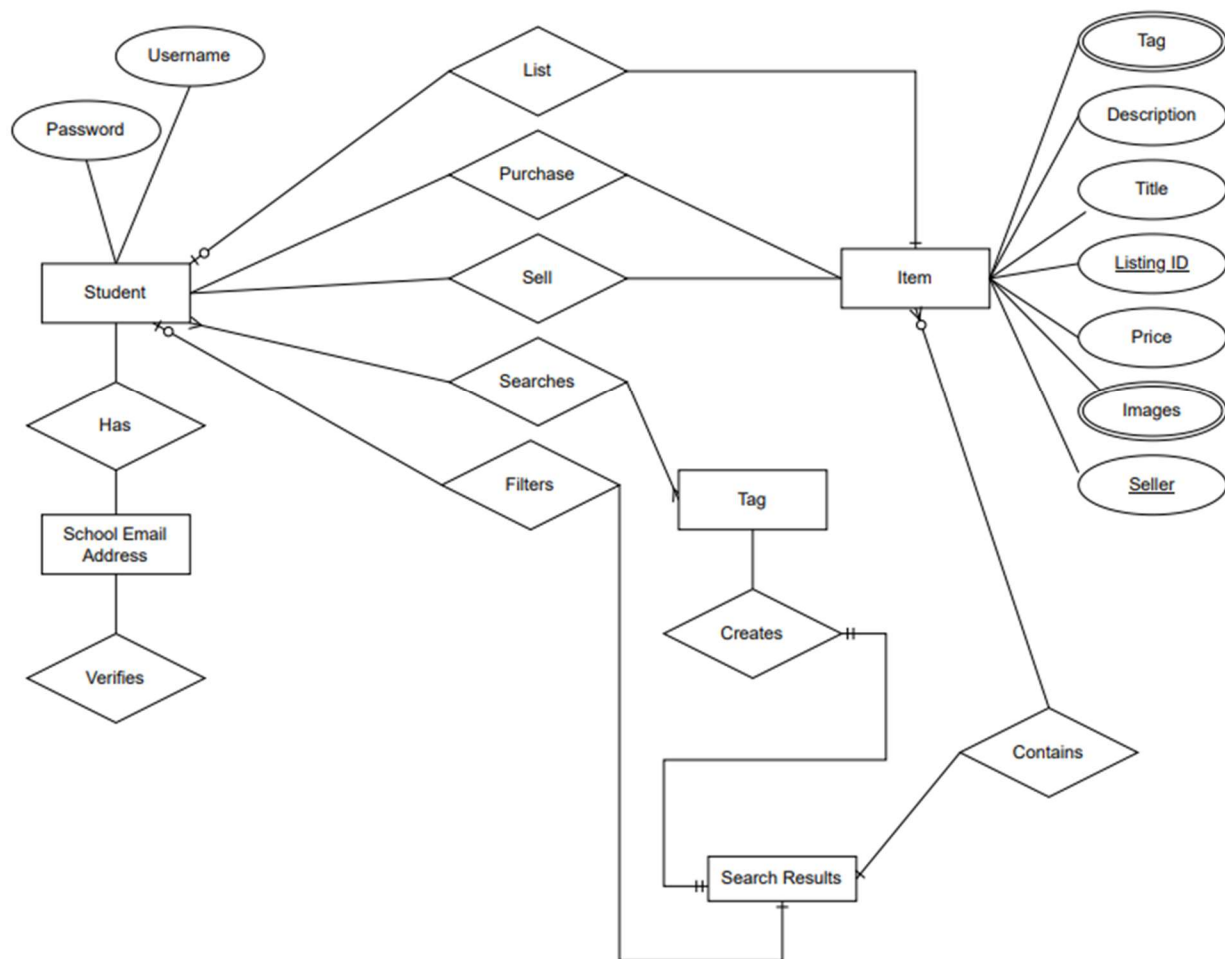
## Comments

1. Based on Brock's, Adam's, Emily's, and Brandon's scenarios

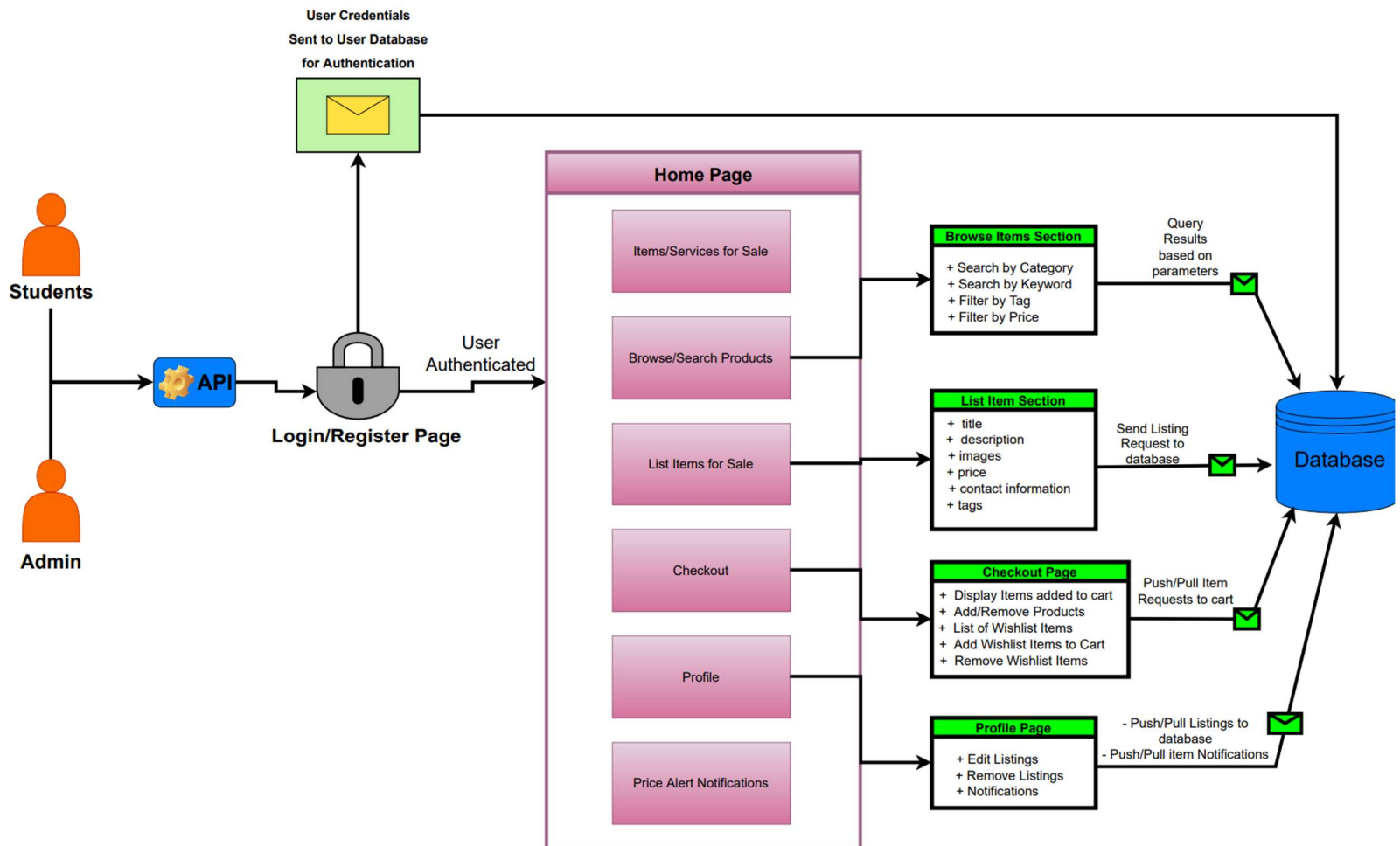
## Design Documents



























## ER Diagram



## Updated System Architecture



## Updated Project and Sprint Backlog

	Title	Assignees	Status	Sprint
1	✓ Create Use Case Diagram	 bow-tiesRcool	Done	Sprint 1 [Feb 22]
2	✓ Stories and Scenarios	 Andrivite and  nickleverage	Done	Sprint 1 [Feb 22]
3	✓ System Architecture	 MojoMace	Done	Sprint 1 [Feb 22]
4	✓ Project Backlog	 sunlee115	Done	Sprint 1 [Feb 22]
5	✓ Sprint 1 Backlog	 nickleverage	Done	Sprint 1 [Feb 22]
6	✓ System Architecture	 MojoMace	Done	Sprint 2 [Mar 22]
7	✓ Create Use Cases	 Andrivite and  nickleverage	Done	Sprint 2 [Mar 22]
8	✓ Features Descriptions from User Stories	 Andrivite and  nickleverage	Done	Sprint 2 [Mar 22]
9	✓ Sprint Deliverable for Sprint 1	 nickleverage	Done	Sprint 2 [Mar 22]
10	✓ Update Project Backlog	 nickleverage	Done	Sprint 2 [Mar 22]
11	✓ Sprint Backlog for Sprint 2	 nickleverage and  sunlee115	Done	Sprint 2 [Mar 22]
12	✓ Requirements Specification Document	 bow-tiesRcool,  MojoMace, and  nickleverage	Done	Sprint 2 [Mar 22]
13	✓ Design Documents	 Andrivite,  MojoMace, and  sunlee115	Done	Sprint 2 [Mar 22]
14	● Test Plan		Todo	Sprint 2 [Mar 22]
15	⦿ Sprint Deliverable for Sprint 1&2		Todo	Sprint 3 [Apr 5]
16	⦿ Update Project Backlog		Todo	Sprint 3 [Apr 5]
17	⦿ Design Documents		Todo	Sprint 3 [Apr 5]
18	⦿ Test Plan and Results		Todo	Sprint 3 [Apr 5]
19	⦿ Final Project Deliverable		Todo	Final Submission [Apr 26]
20	⦿ Working Product		Todo	Final Submission [Apr 26]
21	⦿ Sprint Deliverable for Sprint 1-3		Todo	Final Submission [Apr 26]
22	⦿ Design Documents		Todo	Final Submission [Apr 26]
23	⦿ Test Plan and Results		Todo	Final Submission [Apr 26]
24	● Homepage and front end HTML	 nickleverage	In Progress	Final Submission [Apr 26]
25	● MySQL Database	 nickleverage	In Progress	Final Submission [Apr 26]
26	● Browse Items Section		Todo	Final Submission [Apr 26]
27	● List Item Section		Todo	Final Submission [Apr 26]
28	● Checkout Page		Todo	Final Submission [Apr 26]
29	● Profile Page	 Andrivite	In Progress	Final Submission [Apr 26]



## Login, Account Creation, and Homepage

### ColumbusList Login

Please Login Below

Email:

Password:

Login

Need to create an account? [Click here.](#)

### ColumbusList Account Creation

Please Create an Account Below

Email:

Password:

Repeat Password:

First Name:

Last Name:

Create Account

Already have an account? [Click here.](#)

### ColumbusList HomePage

[Logout](#)

# MySQL Database

The screenshot displays the MySQL Workbench interface for a local instance of MySQL 8.0. The main window shows a query titled 'Query 1' with the SQL statement: `SELECT * FROM clschema.accounts;`. The query has been executed, and the results are displayed in a table with 7 rows and 5 columns: `id`, `email`, `password`, `firstName`, and `lastName`.

The left sidebar shows the 'Database Navigator' with the 'clschema' database selected. The 'Tables' folder is expanded, showing the 'accounts' table. The 'sys' database is also visible.

The right sidebar contains a 'SQL Additions' panel with a message: 'Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.'

The bottom panel shows the 'Output' window with the 'Action Output' tab selected. It displays the execution details of the query:

#	Time	Action	Message	Duration / Fetch
1	12:20:53	SELECT * FROM clschema.accounts LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec

## ***SPRINT 1 DOCUMENTS***

### **Personas and Scenarios**

#### ***Brock, a graduating student at Columbus University***

Brock, age 23, has just finished his degree in Chemical Engineering at Columbus University. He has a girlfriend and no children. He is a local from the area around Columbus University, but he is not opposed to moving out of the state to further his career. He graduated over the summer with honors and is looking forward to entering the industry professionally. He has even received a great offer, but it requires him to move to a neighboring state. Fortunately, his girlfriend has also found career opportunities in the same area.

Brock already has a new apartment already picked out for himself and his significant other, and he feels that it is time he parts ways with his old college dorm furniture to make the move easier. While he has sold some items over Facebook marketplace before, he wants his old furniture to support the next class of Columbus University students. His girlfriend suggests a new online marketplace website, ColumbusList. Users of the site must verify that they are students with their school email address. Brock makes a mental note of the site for later.

#### ***Adam, a freshman at Columbus University***

Adam, age 18, is new student at Columbus University. He is from out of state and is acclimating to his new environment. He graduated high school cum laude and is now pursuing a degree in business administration. He is single, but two of his high school friends are also attending Columbus University with him. One of his friends is also his roommate.

Adam and his friends all join the ultimate frisbee club. Adam is also looking at joining the Club of Business Associates. He wants to quickly create a network of friends at his new college to enrich his college experience with. He also needs his and his roommate's dorm to be well furnished so they can invite others to hang out, but they are tight on money and as they are both new to the area, they aren't sure where they can find affordable furniture at. Adam is Googling online marketplaces when he comes across a website called ColumbusList.

#### ***Emily, a Sophomore at Columbus University***

Emily, age 20, is a sophomore at Columbus University pursuing a degree in Physics. Emily is always on the move since she works many hours to pay for her school. Emily's old laptop from high school is no longer working, so she needs a new one. Emily looks at many surrounding stores but sees that the laptops with the specifications that she needs for classes are out of her budget of \$500. She decides to use ColumbusList, a website she had sold her freshman year textbook's on, to search for a used laptop.

#### ***Brandon, a Senior at Columbus University***

Brandon is in his last Semester at Columbus University. He has some extra time on the weekends since he isn't taking as many classes. Brandon and his fraternity brothers get an idea to start a fundraiser for a food drive in his city. Brandon decides to advertise his service on ColumbusList.

Deliverable

### ***Brock's scenario***

Brock decides it's past time he sells his old dorm furniture. He searches and finds the website his girlfriend recommended, ColumbusList.com. He is greeted by a homepage that prompts him to either log in or signup. He clicks on "signup", which brings him to a sign-up form. He reads the page instructions and enters in his school email with a new password. He is then prompted to log in with his newly created credentials and does so.

Now at the home page, he finds and clicks the "List Items for Sale" button. He is brought to a form that requires him to enter a title, description, image, price, contact information, and tags. He enters in "Used Bedframe", "This is a twin sized bedframe, brought new and used for three years.", he takes a picture of the bedframe and uploads it, he then puts \$100 dollars for the price, adds his email, and adds the tag "Dorm Furniture".

Brock then similarly enters in three more items of furniture. After half an hour, he receives an email from a buyer named Adam about two of the pieces of furniture. Brock really wants to sell the other two pieces of furniture as well, so he decides to lower the price from his personal profile page. The same buyer reaches out to Adam for those two pieces shortly after. He and Adam arrange the pickup of the furniture, and Adam pays Brock securely over ColumbusList. Brock then removes the four listings he posted and logs out.

### ***Adam's scenario***

Adam decides to begin his search for dorm furniture on ColumbusList.com. He searches and finds the website and is prompted to either log in or sign up. He clicks sign up, skims the sign-up form, and quickly enters his personal email and a password. He is then told that his sign up failed because his provided email is not a @columbus.edu email. Perturbed at his failing to read instructions, Adam uses his school email instead, and successfully creates an account.

Adam then logs in and is brought to the homepage. He finds a search bar and enters in "Dorm Furniture". Several listings for furniture are brought up along with images of them. He clicks on two that are in his price range, finds that they are listed by a seller named Brock, and emails Brock about his interest in the furniture. There are also two other pieces of furniture that Adam wants but are out of his price range, so he puts them on his wish list. He is shortly after notified that the prices of the items on his wish list have changed. He notes that they are also sold by Brock, and so he emails Brock again. They arrange a pickup date, and Adam pays Brock using his credit card over ColumbusList.

### ***Emily's scenario***

Emily begins looking for a budget laptop on ColumbusList.com. She types the URL into her browser and is greeted by the homepage, where Emily clicks on the "login" button. Emily enters her school email and her password. She clicks on "login" and a new page begins loading.

Sarah is now greeted with the homepage. She clicks on the search bar and enters "Laptop". Sarah is greeted with many laptops for sale. Many of the laptops are out of Sarah's \$500 budget, so she clicks on the filter by price button. Sarah then enters a minimum price of 300 and a maximum price of 500 and clicks on the filter button. Now all the laptops on Sarah's page are within the

price range of \$300 to \$500. Sarah browses through the laptop until she finds a portable laptop with sufficient specifications that a Columbus University senior, Jack, is selling. She arranges a pickup and pays Jack using cash.

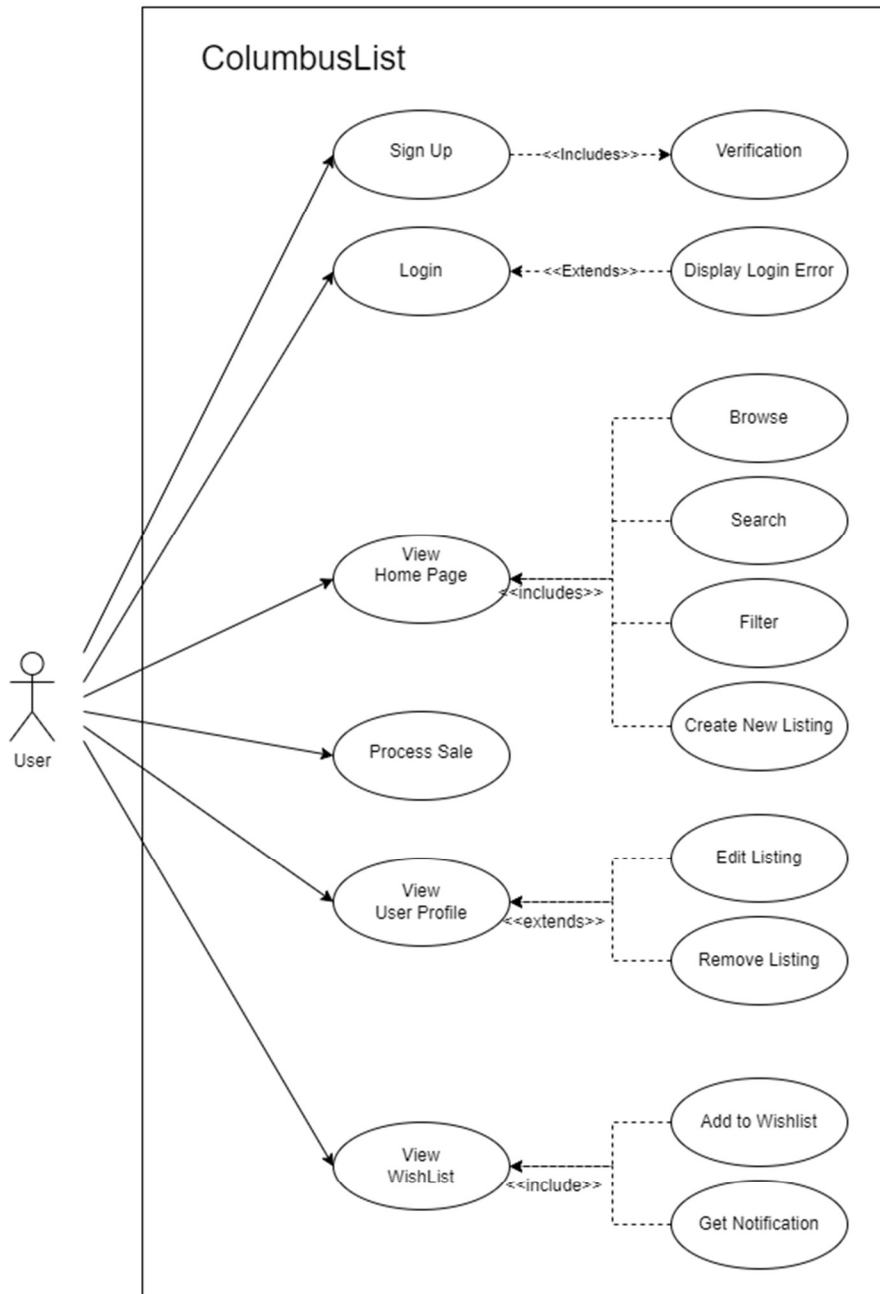
### ***Brandon's scenario***

Brandon decides it's time to start advertising his car washing services. He searches and finds the website ColumbusList.com. He is greeted by a homepage that prompts him to either log in or signup. He clicks on "signup", which brings him to a sign-up form. He reads the page instructions and enters in his school email with a new password. He is then prompted to log in with his newly created credentials and does so.

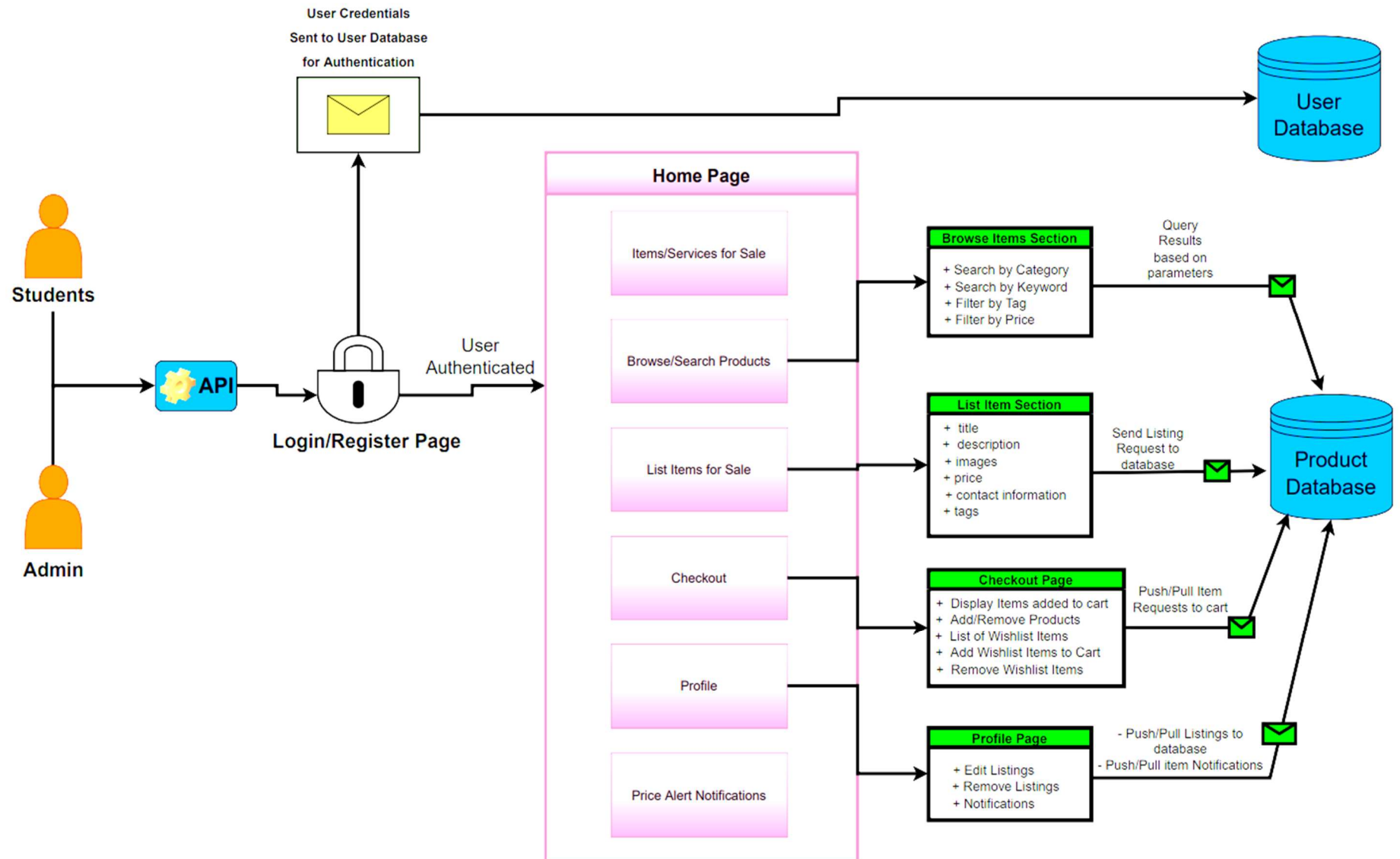
Now at the home page, he finds and clicks the "List Service for Sale" button. He is brought to a form that requires him to enter a title, description, image, price, contact information, and tags. He enters in "*Car Wash for The Weekend – Food Drive*", "*Car wash from 10am-3pm every weekend at Greek Row, all proceeds go to the local Food Bank*", he adds a picture of his friends washing a car, he then puts \$10 dollars for the price, adds his email, and adds the tag "*Car Wash*".

Brandon gets questions about the food drive from multiple people, and a few others volunteer to help.

## Use Case Diagram



## System Architecture





## Sprint 1 Backlog and Team Member Responsibilities

Group F Project Backlog				
View 1 + New view				
	Title	Assignees	Status	Sprint
1	Create Use Case Diagram	bow-tiesRcool	Todo	Sprint 1
2	Stories and Scenarios	Andrivite and nickleverage	Todo	Sprint 1
3	System Architecture	MojoMace	Todo	Sprint 1
4	Project Backlog	sunlee115	Todo	Sprint 1
5	Sprint 1 Backlog	nickleverage	Todo	Sprint 1

## Full Project Backlog

CSC4330ProjectGroupF Backlog				
<div> <div>Project Backlog</div> <div>+ New view</div> </div>				
	Title	Assignees	Status	Sprint
1	Project Backlog	sunlee115	In Progress	Sprint 1 [Feb 22]
2	Sprint 1 Backlog	nickleverage	In Progress	Sprint 1 [Feb 22]
3	System Architecture	MojoMace	In Progress	Sprint 1 [Feb 22]
4	Stories and Scenarios	Andrivite and nickleve	In Progress	Sprint 1 [Feb 22]
5	Create Use Case Diagram	bow-tiesRcool	In Progress	Sprint 1 [Feb 22]
6	Contribution of each team member		In Progress	Sprint 1 [Feb 22]
7	System Architecture		Todo	Sprint 2 [Mar 22]
8	Create Use Cases		Todo	Sprint 2 [Mar 22]
9	Sprint Deliverable for Sprint 1		Todo	Sprint 2 [Mar 22]
10	Update Project Backlog		Todo	Sprint 2 [Mar 22]
11	Sprint Backlog for Sprint 2		Todo	Sprint 2 [Mar 22]
12	Requirements Specification Document		Todo	Sprint 2 [Mar 22]
13	Design Documents		Todo	Sprint 2 [Mar 22]
14	Test Plan		Todo	Sprint 2 [Mar 22]
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