

# SW Engineering CSC 648/848-05 Fall 2022

## The Virtual Farmer's Market

### Team 3

Milestone 3 11/10/2022

Name	Role
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Armando Partida	Backend
Michael Abolencia	
Angel Antunez	Github Master
Igor Tsygankov	Frontend

### History

Version	Date
Milestone 1 Version 1	9/22/2022
Milestone 1 Version 2	10/7/2022
Milestone 2 Version 1	10/21/2022
Milestone 2 Version 2	10/31/2022
Milestone 3 Version 1	11/10/2022

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# Data Definitions

## General User:

- Name

## Registered Vendor:

- Address
- Email
- Name
- Phone Number
- Items Currently Selling

## Registered Customer:

- Address
- First Name
- Last Name
- Email
- Phone Number

## Item:

- Vendor Source
- Meal
  - Name
  - Price
  - Ingredients
  - Nutrition
    - Allergens
    - Calories
    - Sugar
    - Carbohydrates

- Fat
  - Protein
- Produce
  - Name
  - Price
- Packaged Food
  - Name
  - Price
  - Weight
  - Nutrition
    - Allergens
    - Calories
    - Sugar
    - Carbohydrates
    - Fat
    - Protein

#### Filters:

- Item Category
- Nutrition
  - Allergens
  - Calories
  - Sugar
  - Carbohydrates
  - Fat
  - Protein

#### Recurring Delivery:

- Address to deliver to
- Items to deliver
- Frequency

- Duration
  - Seasonal

Address:

- Street Number
- Street
- City
- County
- State
- Zip code

# Prioritized Functional Requirements

## Priority 1:

### 1. Registration:

1.1 A general user shall be able to enter their data and sign up for our services.

### 2. Registered Customer Account:

2.1 A general user shall be able to set up a registered customer account.

2.2 A registered customer shall only purchase items.

### 3. Registered Vendor Account:

3.1 A general user shall be able to set up a registered vendor account.

3.2 A registered vendor account shall only sell items.

### 4. Search:

4.1 A general user or registered customer shall be able to search for items.

4.2 A general user or registered customer shall be able to search for registered vendor accounts.

### 5. Filtering:

5.1 A general user or registered customer shall be able to use filters when searching to narrow down their selection of items.

### 7. Purchase:

7.1 A general user or a registered customer account shall be able to purchase items from registered vendor accounts.

9. Recurring Deliveries:

9.1 A registered customer account shall be able to create a recurring delivery in order to receive items at given time intervals.

9.2 A registered customer account shall be able to cancel their recurring delivery.

10. Revising an Order:

10.1 A general user or a registered customer shall be able to change an order within a certain time frame.

11. Contacting Vendors:

11.1 A general user or registered customer shall be able to access a registered vendor's contact information to ask about their items.

13. Nutrition Information:

13.1 A general user or a registered customer shall be able to view the nutrition information of an item.

15. Price Comparison:

15.1 A general user or a registered customer shall be able to compare the prices of the same item sold by different registered vendors.

16. Vendor Proximity:

16.1 A general user or a registered customer shall be able to search for registered vendors closest to a given address

17. Vendor Pricing:

17.1 A registered vendor shall be able to set the price for the items they are selling.

19. Previous Purchases:

19.1 A registered customer shall be able to view their purchase history.

20. Alternatives:

20.1 A general user or a registered customer shall be able to pick a different registered vendor if their first choice ran out of stock.

23. Editing Customer Information:

23.1 A registered customer shall be able to edit their information.

24. Total Price:

24.1 A general user or a registered customer shall be able to see the total price of all the items in their shopping cart before finalizing the transaction.

26. Sort:

26.1 A general user or a registered customer shall be able to sort their search results based on given criteria.

27. Tracking ID:

27.1 A registered customer shall be given a tracking ID for their orders.

33. Cart:

33.1 A general user or a registered customer shall be able to see items they added to their cart.

33.2 A general user or a registered customer shall be able to add and remove items or change the quantity of an item in their cart.

35. Delivery/Pickup:

35.1 A general user or a registered customer shall be able to pick up or have their items delivered to them.



38. Item Description:

38.1 A general user or a registered customer shall be able to read a clear description of an item.

41. Login/Logout:

41.1 A general user shall be able to login and logout of their registered customer and registered vendor accounts.

42. Editing Vendor Information:

42.1 A registered vendor shall be able to edit their business contact information.

43. Selecting a Vendor:

43.1 A general user or a registered customer shall be able to select a registered vendor that they will solely buy items from.

Priority 2:

6. Reviews:

6.1 A registered customer shall be able to post reviews for an item.

14. Discounts:

14.1 A general user or a registered customer shall be able to view discounts for certain items.

14.2 A registered vendor shall be able to provide discounts for their items.

21. Recommended Products:

21.1 A general user or a registered customer shall be recommended items that may interest them based on previous purchases.

22. Following a Vendor:

22.1 A general user or a registered customer shall be able to follow a registered vendor for updates about a vendor's items.

25. Discounting Bulk Purchases:

25.1 A general user or a registered customer shall receive a discount if the total price of items in their cart exceeds a certain amount.

31. Customer Service:

31.1 A general user or a registered customer shall be able to contact customer service if they have any issues.

37. Rewards:

37.1 A general user or a registered customer shall be able to see the rewards page.

37.2 A general user or a registered customer shall receive rewards points for every purchase.

Priority 3:

8. Returns:

8.1 A general user or a registered customer shall be able to return their purchased items within a certain time.

12. Newsletter:

12.1 A general user or a registered customer shall receive a newsletter notifying them about deals, new products, and popular vendors.

12.2 A general user or a registered customer shall opt-in to the newsletter and be able to opt-out at any time.

29. Careers:

29.1 A general user shall be able to apply for working positions at TVFM.

30. Social Media:

30.1 Anyone shall be able to see offers, features, discounts, events on the social media account of TVFM.

39. Advertisement:

39.1 A general user or a registered customer shall receive advertisements about items they may be interested in.

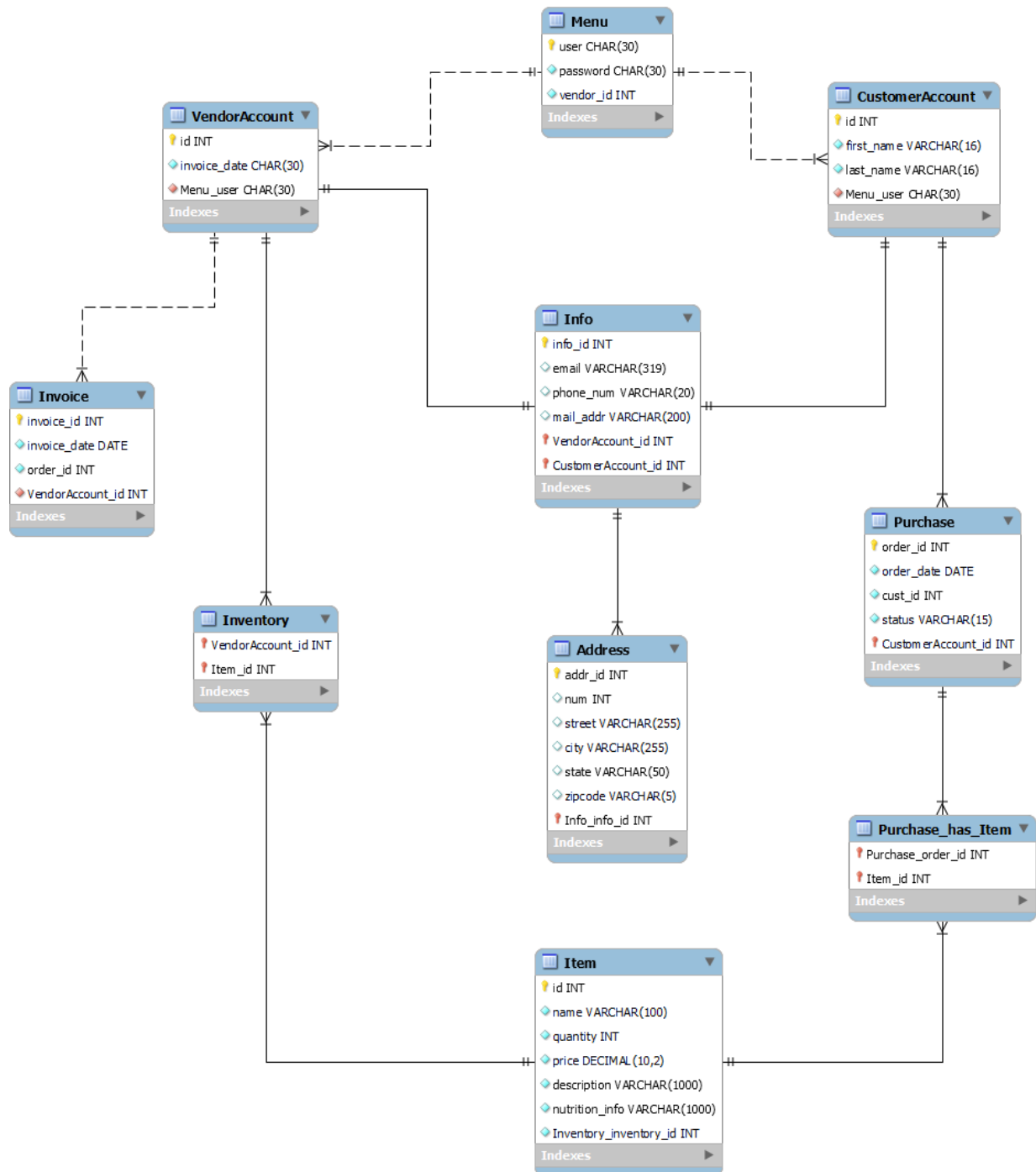
39.2 A registered vendor shall be able to pay to have an advertisement about their item shown to a general user or a registered customer.

## Wireframes Based on your Mockups/Storyboards

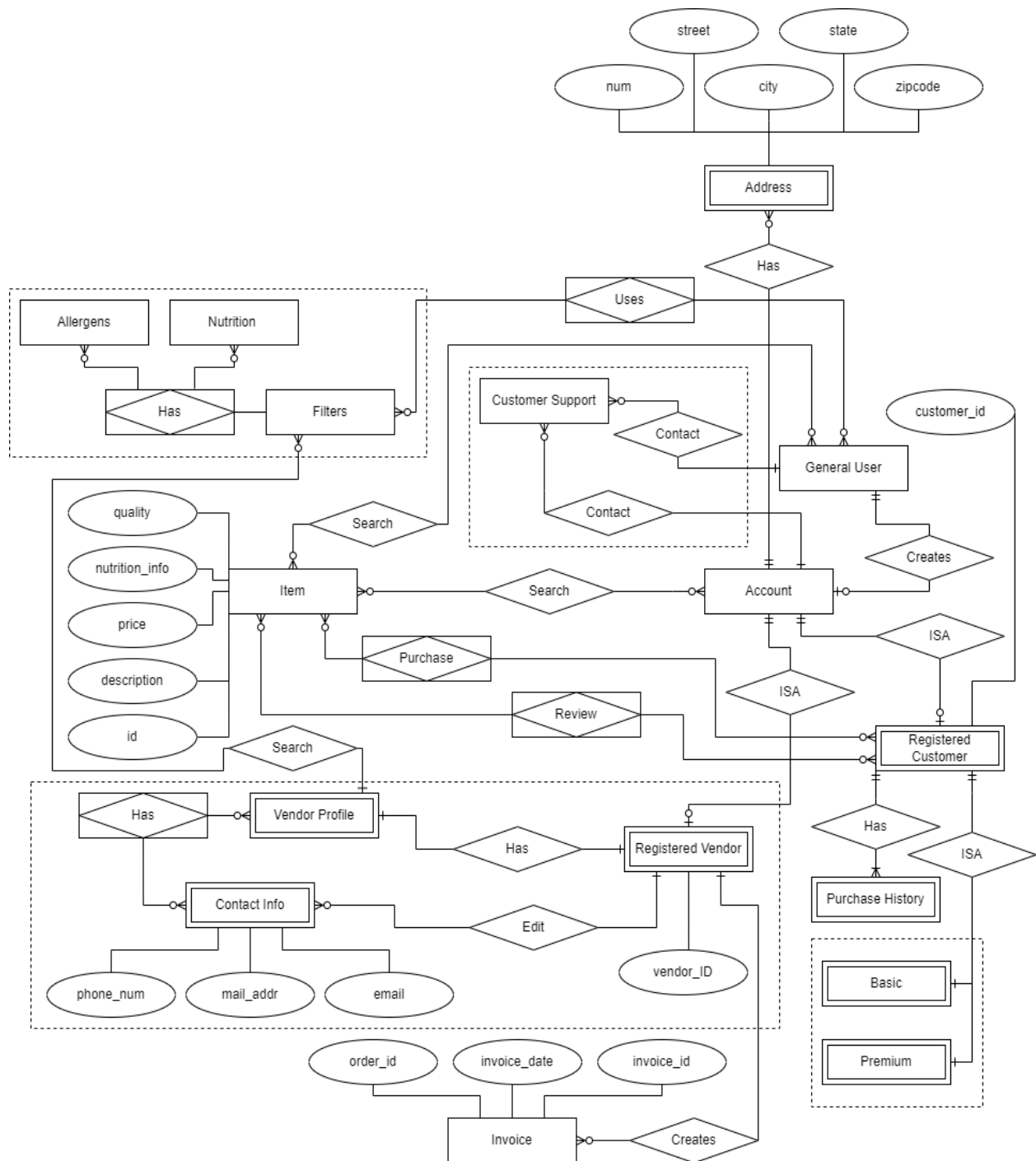
<https://www.figma.com/file/4l7PluemvtUdCm3O3YVvAM/TVFM-WireFrames?node-id=0%3A1>

# High level database Architecture and Organization

EER: MySQL

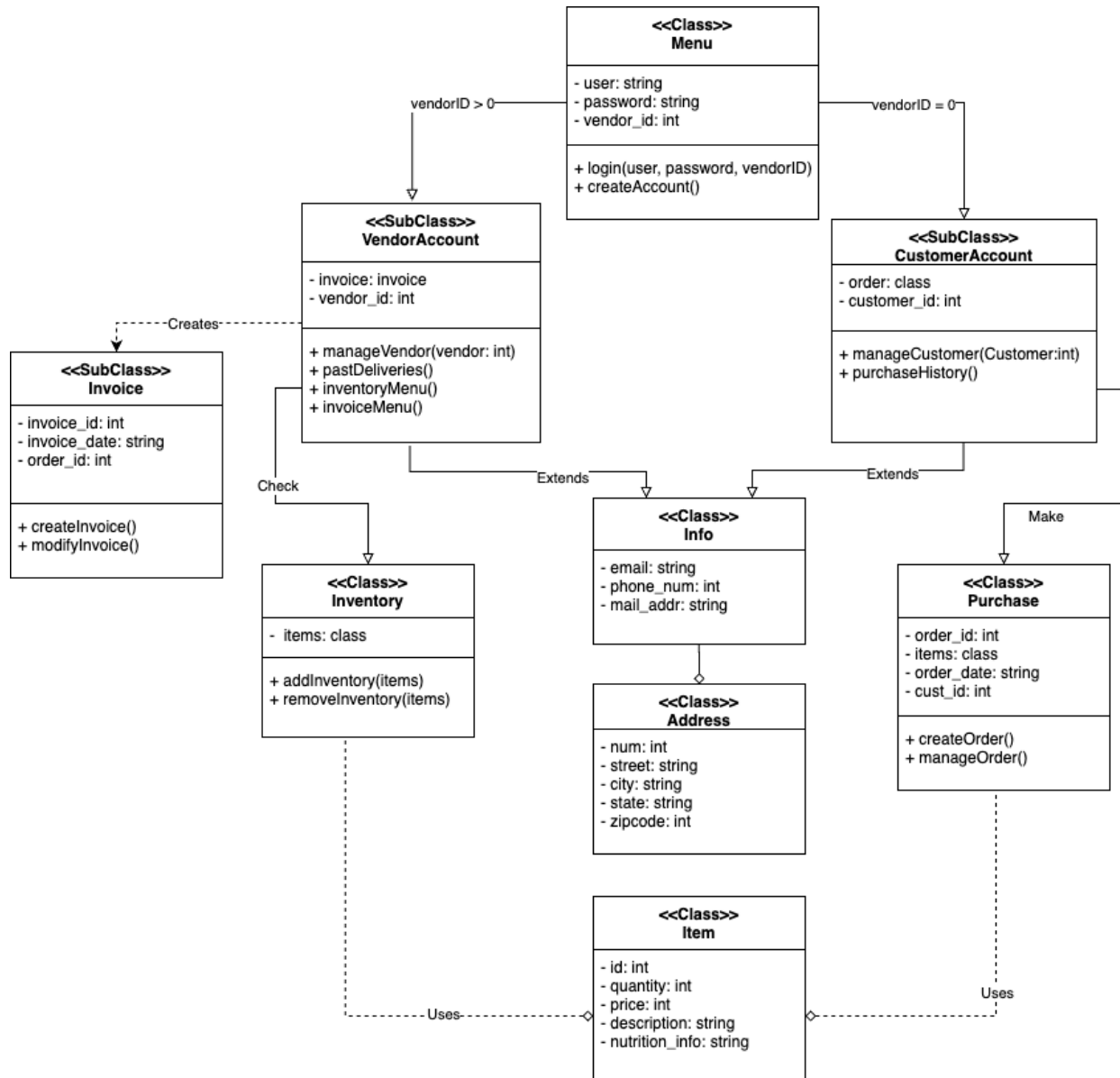


## ERD: MySql

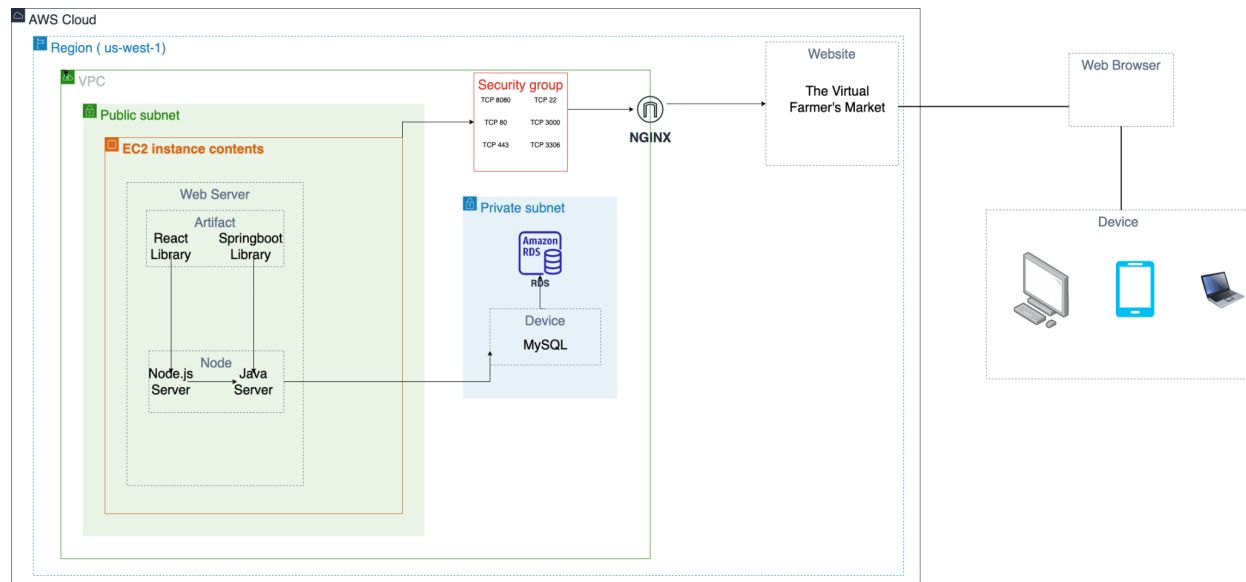


# High-Level Diagrams

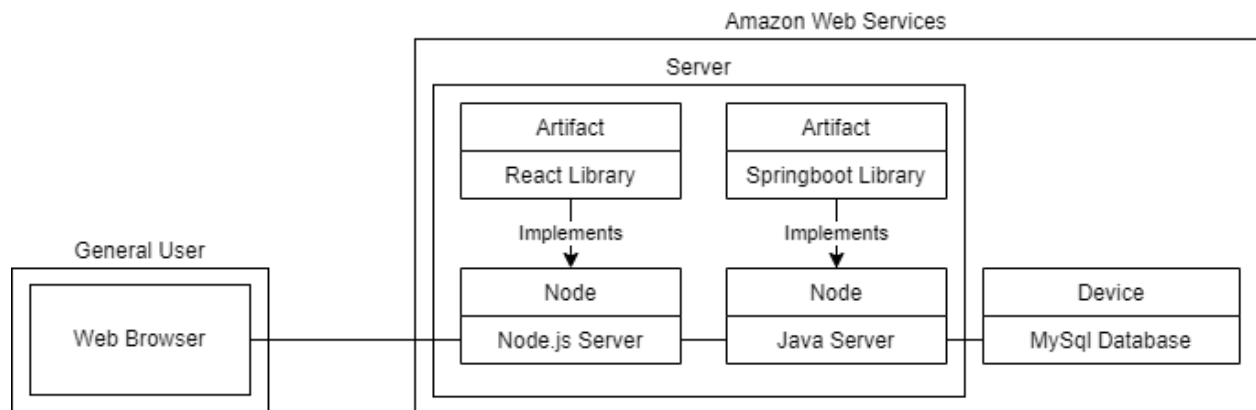
UML Diagram:



## Network Diagram:



## Deployment Diagram:





## Detailed List of Contributions

Seth Pavlicek:

- Header Wireframe
- Homepage Wireframe
- Recurring Delivery Wireframe
- Home Page Hook

Alex Bjeldanes: 9/10

- EER Diagram

Armando Partida: 9/10

- Backend Classes from UML
- Initial Search Query

Angel Antunez: 9/10

- Footer in Frontend
- Search Page
- Cart Wireframe
- Cart Page

Igor Tsygankov: 10/10

- Header in Frontend
- Settings Wireframe
- Filter Wireframe
- Footer Wireframe
- Search Page Filters
- Recurring Delivery Page

Michael Abolencia: 9/10

- Register Pages
- Register Wireframes
- Product Information Page
- Privacy Policy Page