



## **Sprint 2 Proposal – Team “APEX”**

**Project: Sustainable Grocery Tracker**


**Team members**

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## 1.User stories

User Story	Description	Acceptance Criteria
As a Buyer, I want to log in to my account so that I can access my grocery tracker.	Authenticates user with email and password.	Login is successful with valid credentials; invalid attempts show an error.
As a Buyer, I want to select a grocery item so that I can keep track of my groceries.	Allows adding name, quantity, and category for an item.	Item appears in the grocery list after adding.
As a Buyer, I want to delete a grocery item so that I can remove unnecessary items.	Enables deletion of selected grocery item.	Selected item is removed from the list.
As an Admin, I want to log in to manage user and grocery data.	Provides secure admin authentication.	Admin login successful for valid credentials only.
As an Admin, I want to add grocery items to the master list.	Allows adding new grocery items for users to choose from.	New grocery items appear in the system list.
As an Admin, I want to delete grocery items from the master list.	Allows removal of outdated or incorrect grocery items.	Grocery item successfully removed from master list.

## 2. Persona as a buyer



**Name: Aisha Patel**

**Demographics**  
**Gender:** FEMALE  
**Age:** 23  
**Location:** Austin  
**Relationship Status:** SINGLE  
**Title:** Marketing executive  
**Education:** B.S. in Business Administration

**Background Description**  
Aisha is a busy marketing professional who wants her shopping habits to reflect her values. She's committed to sustainability but finds it challenging to balance convenience and eco-friendly choices.

**Goals**

- Reduce grocery waste and carbon footprint
- Track pantry items efficiently
- Compare brands for sustainability ratings
- Discover greener alternatives to daily products

**About**

- A busy professional living alone in an urban area. She cares about the environment and wants her shopping habits to reflect

**Motivations**

- Wants to contribute to environmental conservation
- Enjoys using technology to simplify sustainability
- Feels satisfaction when making ethical


**Frustrations**

- Finds it hard to know which brands are more sustainable.
- Often forgets to use groceries before they spoil

**Challenges**

- Hard to identify which grocery brands are sustainable
- Too many apps, none focused on eco-shopping
- Finds product data confusing

## As an Admin



**Name: Sarah Mitchell**

**Demographics**  
**Gender** FEMALE  
**Age** 40  
**Location** Bristol  
**Relationship** Married  
**Title** Store Operations Manager  
**Education** B.A. in Business Management

**Background Description**  
Sarah manages the operations of a local organic grocery chain. She's responsible for maintaining inventory, tracking product sustainability, and ensuring customers have access es efficiency and wants to use technology to reduce waste and streamline supplier

**Goals**

- Track an intuitive dashboard that keeps me updated on stock levels and sustainability performance – without the clutter.\*

**Motivations**

- Passion for sustainability and community engagement
- Wants to modernize store operations
- Seeks data-driven insights to support decision making

**How the App Helps**

- Provides real-time stock and sales analytics
- Generates eco-impact performance reports
- Flags expiring or low-stock items automatically

**Challenges**

- Manual tracking takes too much time
- Difficulty allgning supplier data with sustainability goals
- Needs a unified dashboard

**Goals**

- Track inventory and restock efficiently
- Prompte local and sustainable suppliers
- Analyze waste reduction and sales trends
- Communicate sustainability impact to customers


### 3.Wireframes

For buyer:

A mobile app wireframe for the login and sign-up screen. At the top is a leaf icon in a square. Below it is the title "Sustainable Grocery Tracker". There are two input fields: "Email" and "Password". Below these is a "Login" button, followed by the word "or", and then a "Sign Up" button. At the bottom is a "Continue with Google" button with the Google logo.

Two mobile app wireframes side-by-side. The left screen is titled "Add Items" and has a "< Back" button. It contains four input fields: "Item Name" (with "Vegetables" entered), "Category" (with "Price" entered), "Description", and "Description" (with a placeholder image icon). Below these is a "Quantity Available" section with three checkboxes: "Organic", "Local", and "Low Waste". At the bottom are "Cancel" and "Add Item" buttons. The right screen is titled "Manage Items" and has a "< Back" button. It displays a list of items, each with a placeholder image icon, the item name, category, price, and a "Delete" button. The items are: Tomatoes (Vegetables, 2.00), Milk (Dairy, 3.49), Bananas (Fruits, 1,29), and Spinach (Vegetables, 1,99).

For Admin:



## Admin Login

Log In

or

Sign Up

Admin

## Add Grocery Item

Name

Category

Price

Add Item

Cancel

## Delete Grocery Item

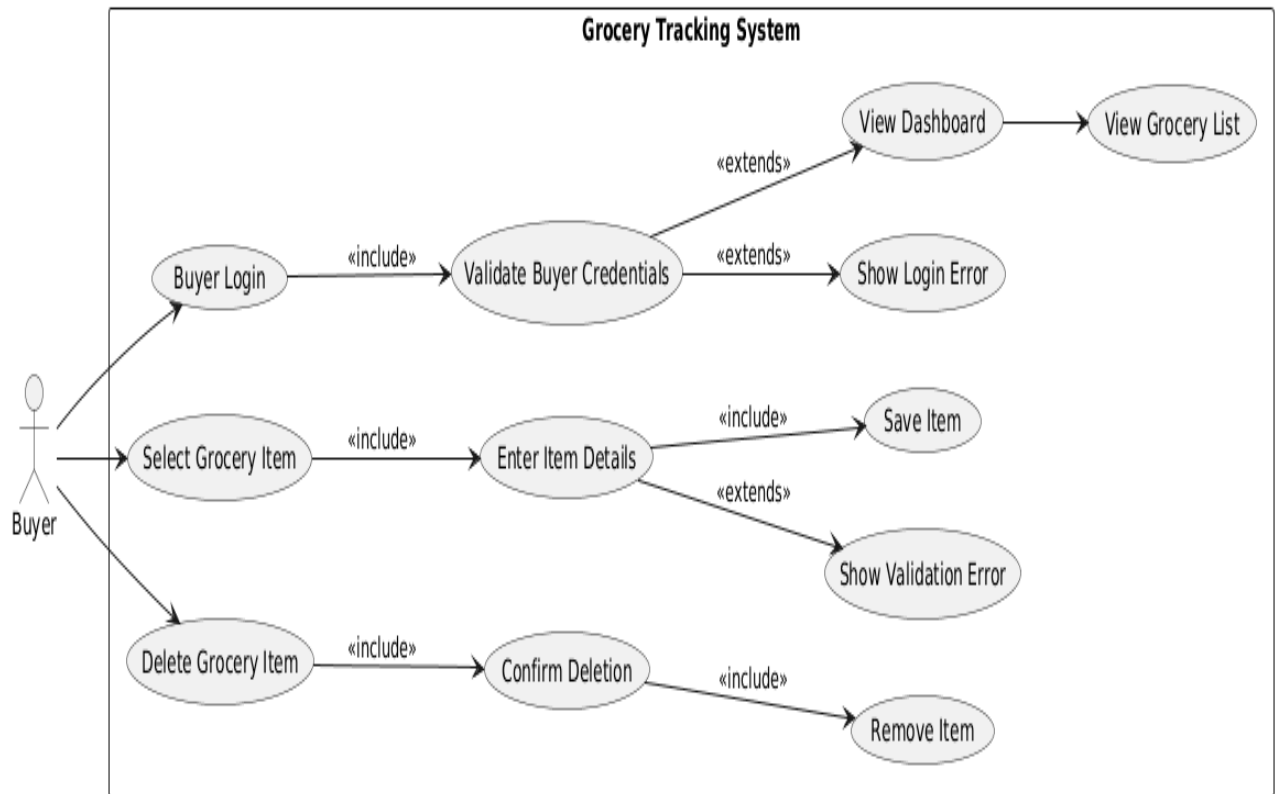
Are you sure you want to delete this item from the master list?

Item Name

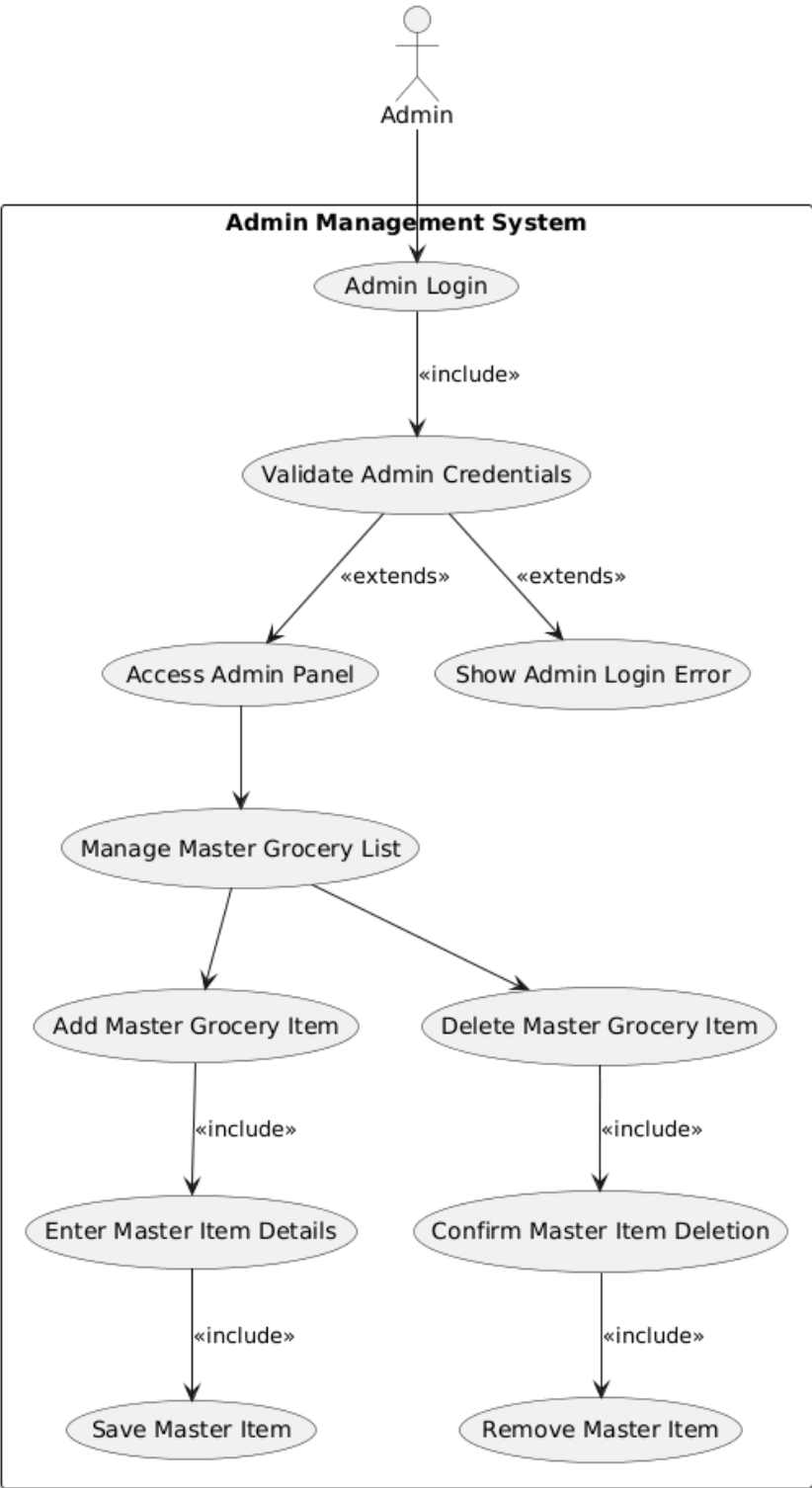
CancelDelete

## 4. Use case diagrams

As a buyer:

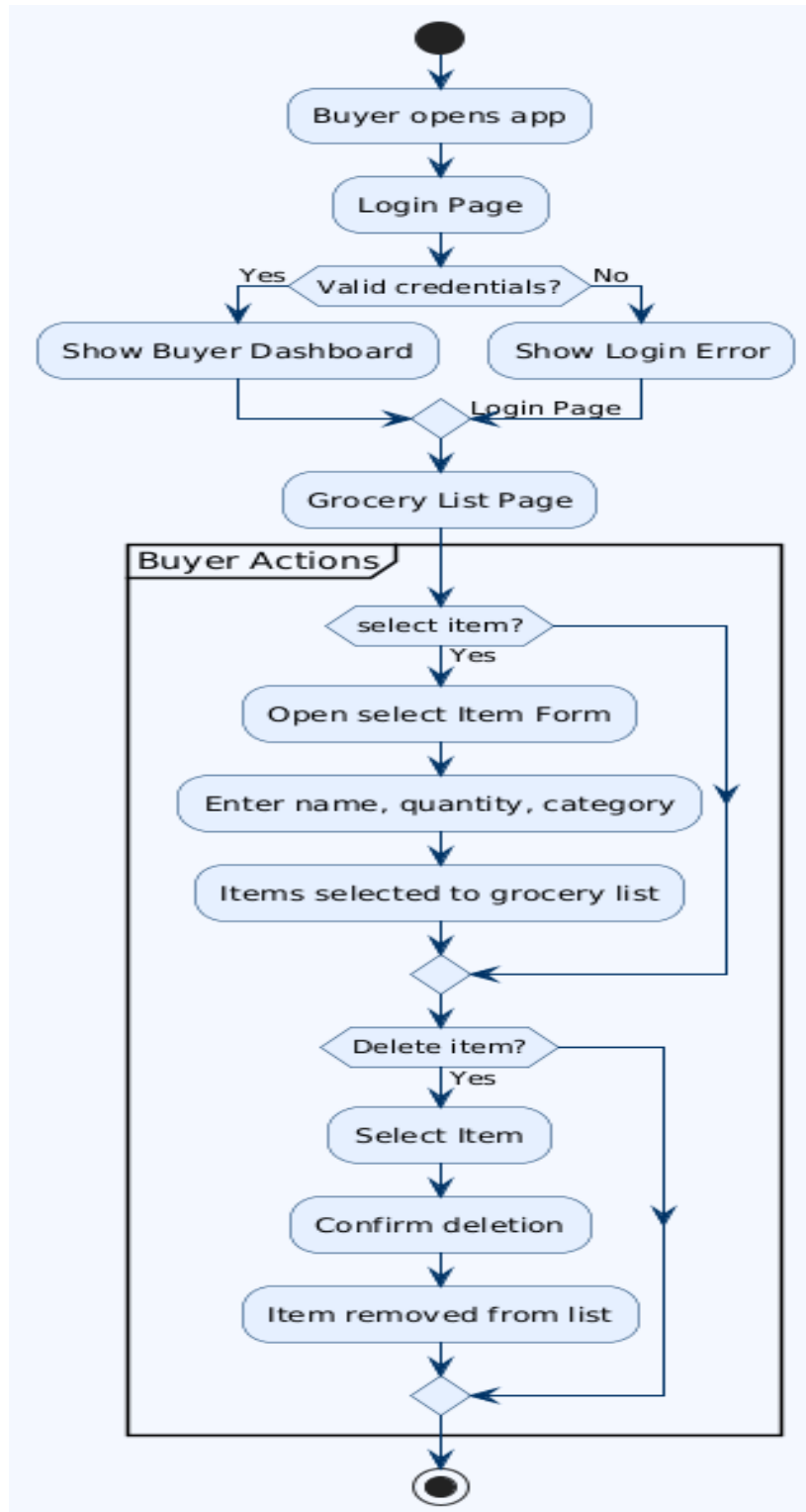


As a admin:



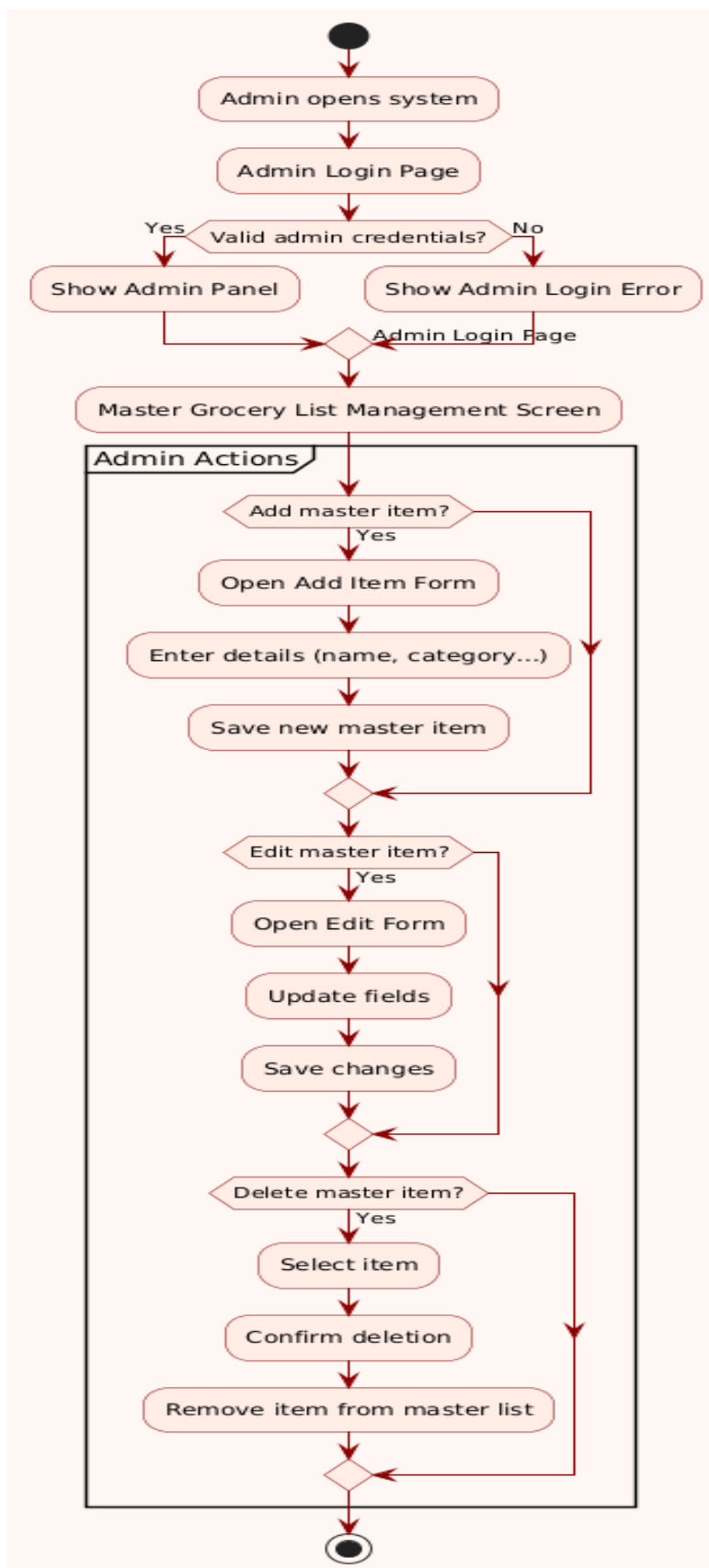
## 5. User flow diagrams

For buyer:



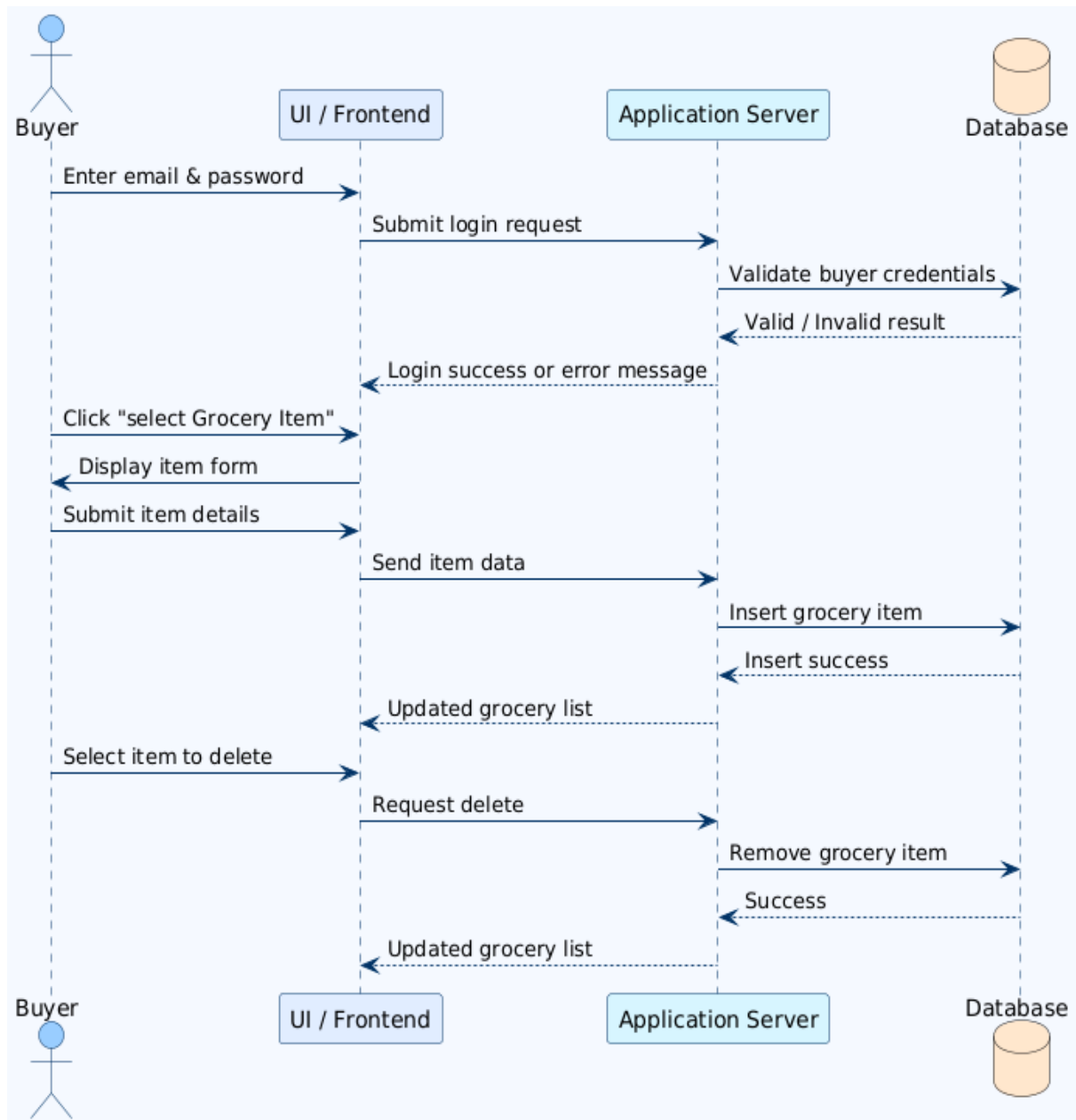


For admin:

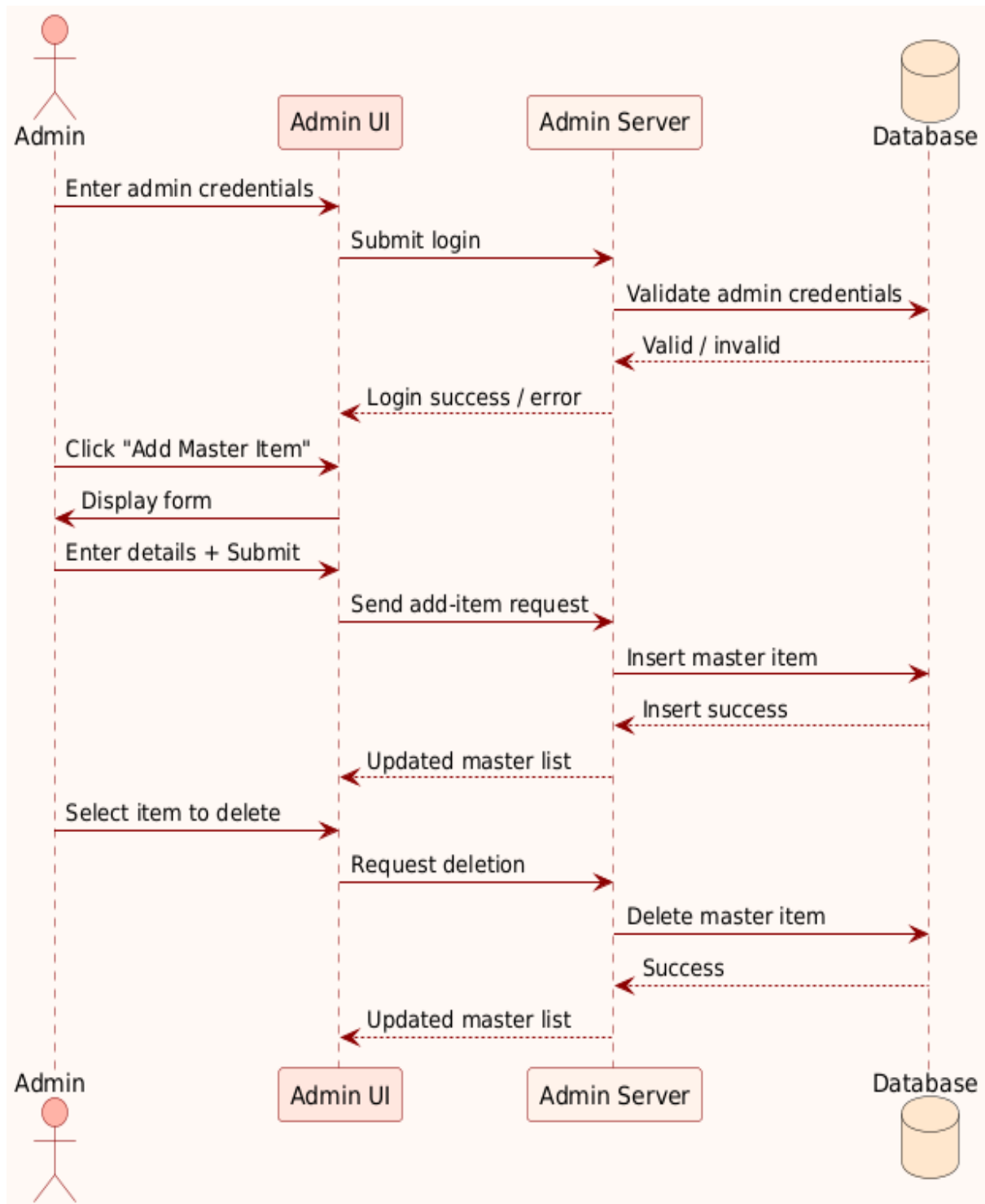


## 6. Sequence Diagrams

As a buyer:



As an admin:



**Trello Link:** <https://trello.com/b/nVz9qrDj/apex-sustainable-grocery-tracker>

**GitHub Repository URL:** <https://github.com/Sravyass498/sustainable-grocery-tracker>

**These platforms are used to manage development tasks, track progress, and ensure consistent version control.**