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1. USE CASE DIAGRAM:

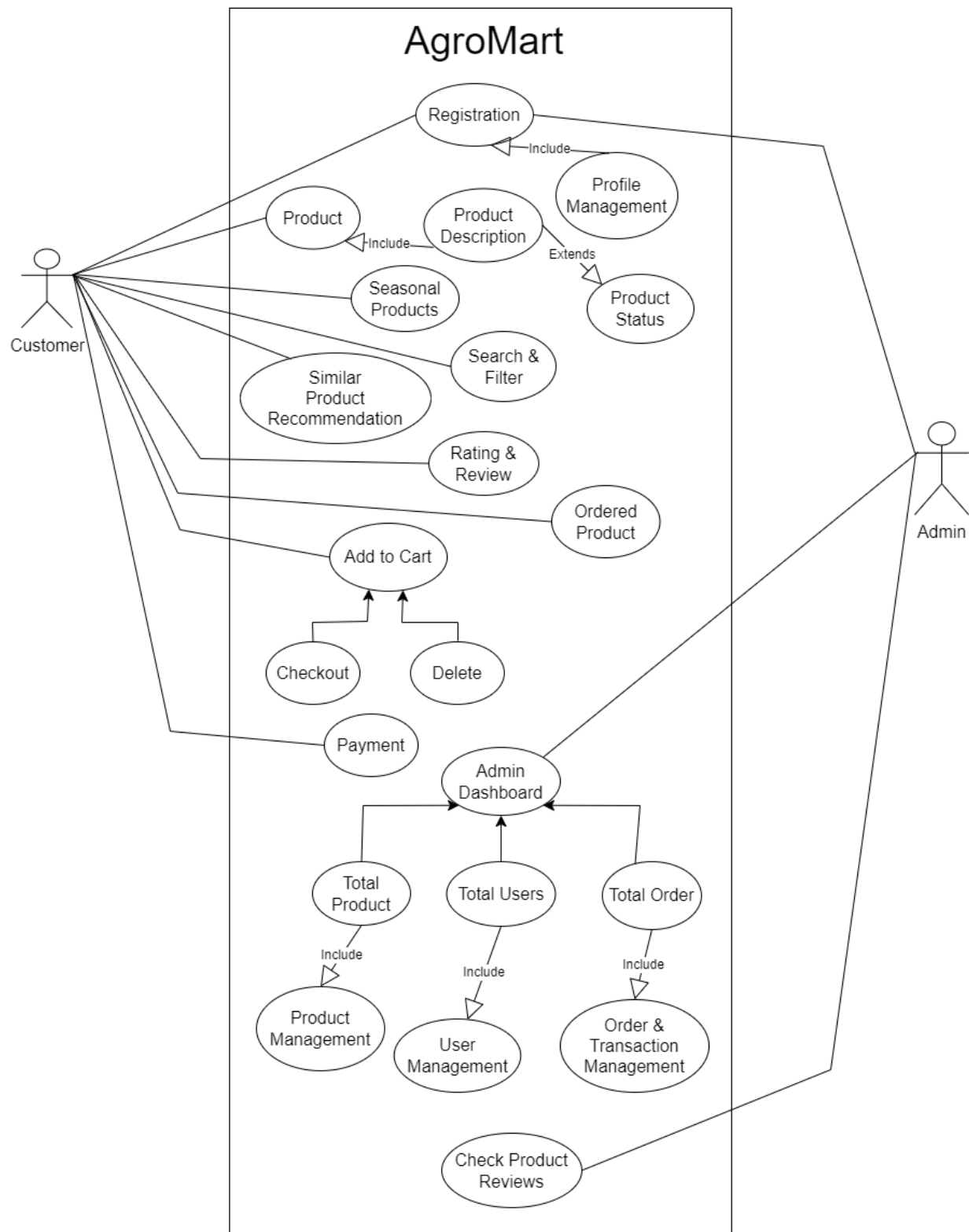


Figure 1: Use case diagram

1.1 High level use case description:

i. High level description of register use case:

Use case: Register

Actor: Customer, Admin (initiator)

Description: A new customer and new admin should register to take full functionality over the AgroMart app.

ii. High level description of Profile Management Use Case:

Use Case: Profile Management

Actor: Customer, Admin

Description: A customer and an admin can edit their details after register on the system.

iii. High level description of product use case:

Use case: Product

Actor: Customer

Description: A customer can navigate through the products page and can select their products to order.

iv. High level description of Product Description Use case:

Use case: Product description

Actor: customer (initiator)

Description: A customer can view more about the products by clicking on the specific project so, the product description page will be open and can look toward the details of the products.

v. High level description of seasonal products use case:

Use case: Seasonal Products

Actor: Customer (initiator)

Description: A customer can look forward to the seasonal products so, they can easily navigate through the seasonal products.

vi. High level description of search and filter products use case:

Use Case: Search and Filter

Actor: Customer (initiator)

Description: To save time a customer and directly search for the products and can filter the products as per their requirement.

vii. High level description of rating and review use case:

Use case: Rating and Review

Actor: Customer

Description: A customer can rate and review the products they used and can leave their message so the other customer can look the review before buying the products.

viii. High level description of ordered product use case:

Use case: product Order

Actor: Customer

Description: A customer can view the product which they ordered to buy the products in Ordered Products page.

ix. High level description of Similar Product Recommendation use case:

Use Case: Similar Product Recommendation

Actor: Customer

Description: A customer can view the similar products in the description page.

x. High level description of AddToCart use case:

Use Case: AddToCart

Actor: Customer

Description: A customer can add the products in the cart so, that they can order the products as per their requirement.

xi. High level description of AddToCart use case:

Use Case: AddToCart

Actor: Customer

Description: A customer can add the products in the cart so, that they can order the products as per their requirement.

xii. High level description of Payment use case:

Use Case: Payment

Actor: Customer

Description: A customer should pay the money for the products which they order to buy.

xiii. High level description of Admin Dashboard use case:

Use case: Admin dashboard

Actor: Admin

Description: Admin dashboard shows the information about the total products, total registered user, and total order. Where admin can manage all this information accordingly.

xiv. High level description of Check product reviews use case:

Use Case: Check Product reviews

Actor: Admin

Description: Admin can view the product rating and review which was provided by the customer.

1.2 Expanded level use case description:

i. Expanded description of Registration use case:

Use case: Registration

Actor: Customer, Admin (Initiator)

Purpose: To register the users in system

Description: The customer and admin can be register to use the specific features of the app

Action Steps:

Actor Action	System Response
i. Open the register page and fill the required information.	
	ii. Verify all details and store in database.
	iii. Display registers successful message.
iv. Login with the valid credentials.	
v. Customer can manage and edit the details.	

Alternative Action:

Line ii: If all the information is not provided give the error message to provide all messages.

ii. Expanded description of Product use case:

Use case: Product

Actor: Customer (initiator)

Purpose: List all the product

Description: In this all the available products will be shown so the customer can buy the products accordingly.

Action Steps:

Actor Action	System Response
i. Customer navigates through all products.	
ii. Can view the product description by clicking on the products.	
iii. Customer can Add products to cart.	
	iv. Product added to cart message will be shown.

Alternative Action:

Line iii: Customer cannot buy the products.

iii. Expanded description of Product use case:

Use case: Product

Actor: Customer (initiator)

Purpose: List all the product

Description: In this all the available products will be shown so the customer can buy the products accordingly.

Action Steps:

Actor Action	System Response
v. Customer navigates through all products.	
vi. Can view the product description by clicking on the products.	
vii. Customer can Add products to cart.	
	viii. Product added to cart message will be shown.

Alternative Action:

Line iii: Customer cannot buy the products.

iv. Expanded description of Similar Product Recommendation use case:

Use case: Similar Product Recommendation

Actor: Customer (initiator)

Purpose: shows the similar product

Description: In this similar product will be shown in the product description page so the customer can buy the products accordingly.

Action Steps:

Actor Action	System Response
i. Can view the product description by clicking on the products.	
	ii. Description page shows al the details of the products
	iii. Similar product will be shown in the same page so customer can look the same product of others company.
iv. Can navigate through the similar products.	
v. Order the products if they like.	

Alternative Action:

Line iv: Cannot navigate through that product.

v. Expanded description of Ordered Products use case:

Use case: Ordered Products

Actor: Customer (initiator)

Purpose: Store the ordered products

Description: In this customer can look toward the products which they have ordered to buy.

Action Steps:

Actor Action	System Response
i. Customer can check-out the products from cart	
	ii. Checkout successful message will be display.
	iii. It sends all the products to the product ordered page.
iv. Navigate through ordered page to see their ordered products status.	

Alternative Action:

Line ii: Directly add the products to order page.

vi. Expanded description of Add to Cart use case:

Use case: Add to Cart

Actor: Customer (initiator)

Purpose: Store the products to cart

Description: In this customer can add products to cart so they can easily find the products which they want to buy.

Action Steps:

Actor Action	System Response
i. Navigate through products.	
ii. Click on cart button to Add products on cart.	
	iii. Products added to cart message will be shown.
iv. If they want to buy the products, they can check out the products to order.	

Alternative Action:

Line iv: Can remove products from the cart instead of ordering the products.

vii. Expanded description of Payment use case:

Use case: Payment

Actor: Customer (initiator)

Purpose: pay amount for order products to buy.

Description: the customer should pay for the products which they want to buy for their use.

Action Steps:

Actor Action	System Response
i. Go to payment process.	
ii. Enter the valid credential of their payment details.	
	iii. Match the credentials and forward for next process.
iv. Enter the amount which they want to pay and proceed.	
	v. Payment successful message will be display.

Alternative Action:

Line iii: If credentials is wrong redirect to the same page to fill correct credentials.

Line v: If the required amount is not provided the message will be shown.

viii. Expanded description of Admin Dashboard use case:

Use case: Admin Dashboard

Actor: Customer (initiator)

Purpose: To handle all the operations.

Description: This use case shows all the details of the users, total orders, and total products and admin can manage all this accordingly.

Action Steps:

Actor Action	System Response
i. Login to the system.	
ii. Navigate to the admin dashboard and manages products, orders and users.	
iii. Add new products.	
	iv. Product added successfully message will display.
v. Manage order status.	
vi. Manage users.	
vii. Manage Transaction	
	viii. Changes saved

Alternative Action:

Line iv: If all details not filled the message will display and redirect to the same page to fill all details.

2. SEQUENCE DIAGRAM:

2.1 Sequence diagram of Registration:

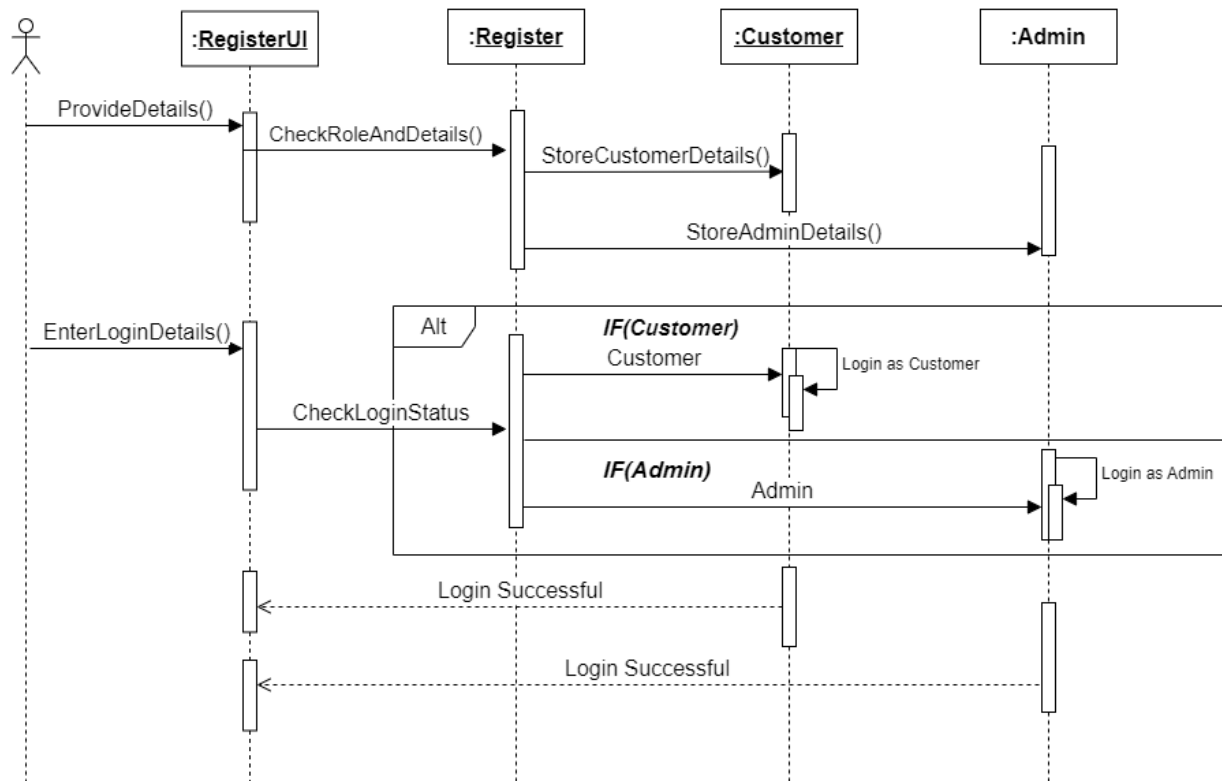


Figure 2: Sequence diagram of Registration

2.2 Sequence diagram of Product, Add to cart, and Product Ordering:

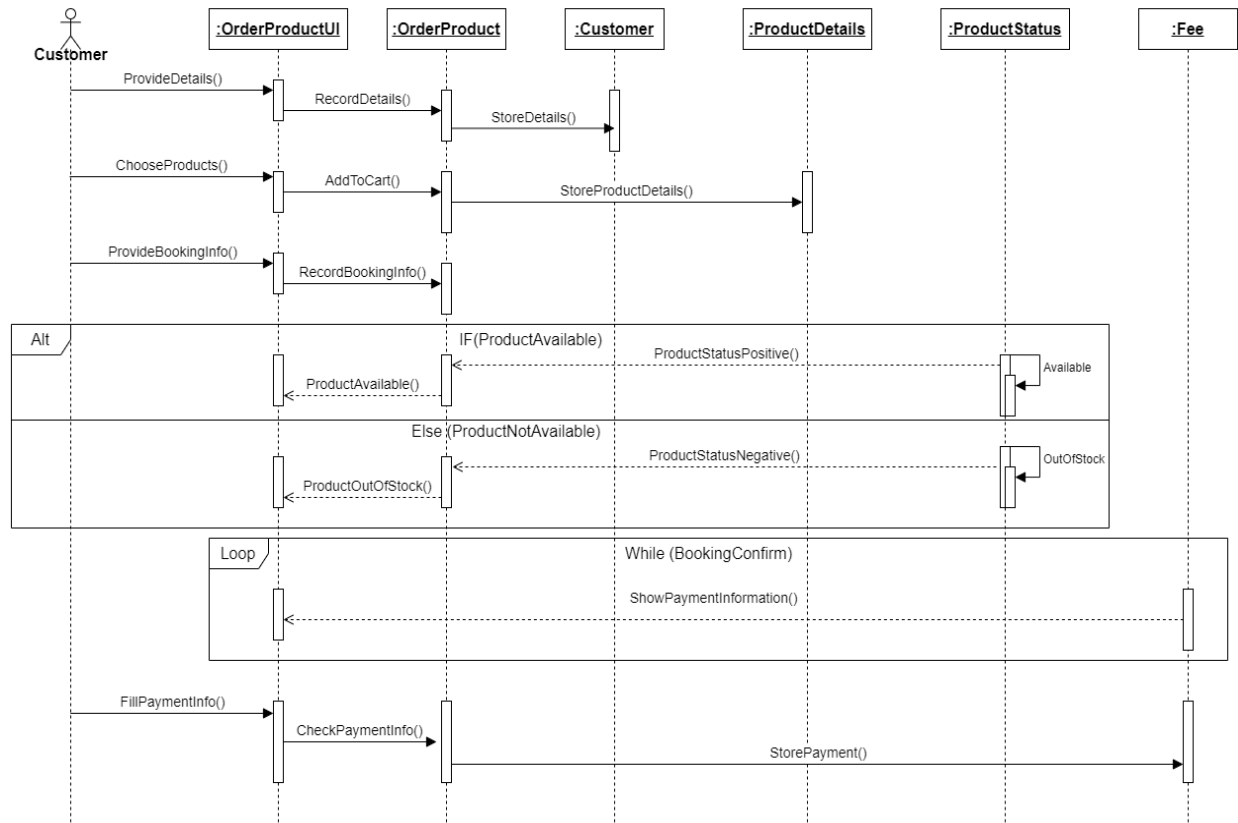


Figure 3: Sequence of Product, Cart, and Product Ordering

1.1 Sequence diagram for Admin Dashboard:

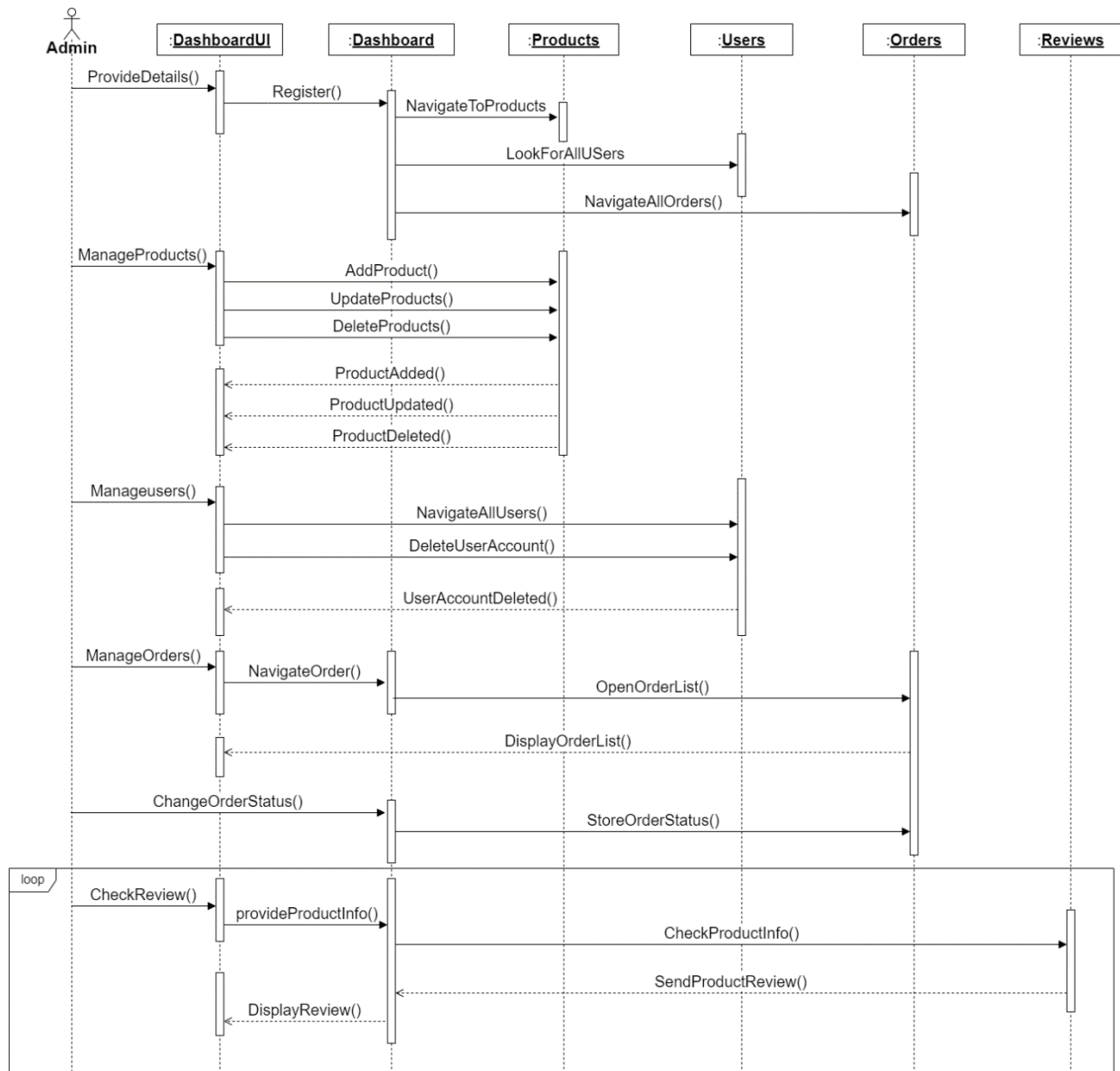


Figure 4: Sequence Diagram of Admin Dashboard

3. DATA FLOW DIAGRAM:

3.1 Context Diagram – Level 0 DFD

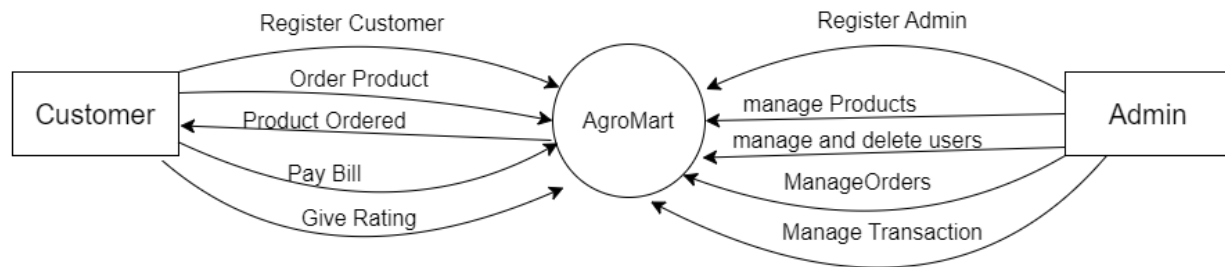


Figure 5: Context Diagram - Level 0 DFD

3.2 Level 1 DFD

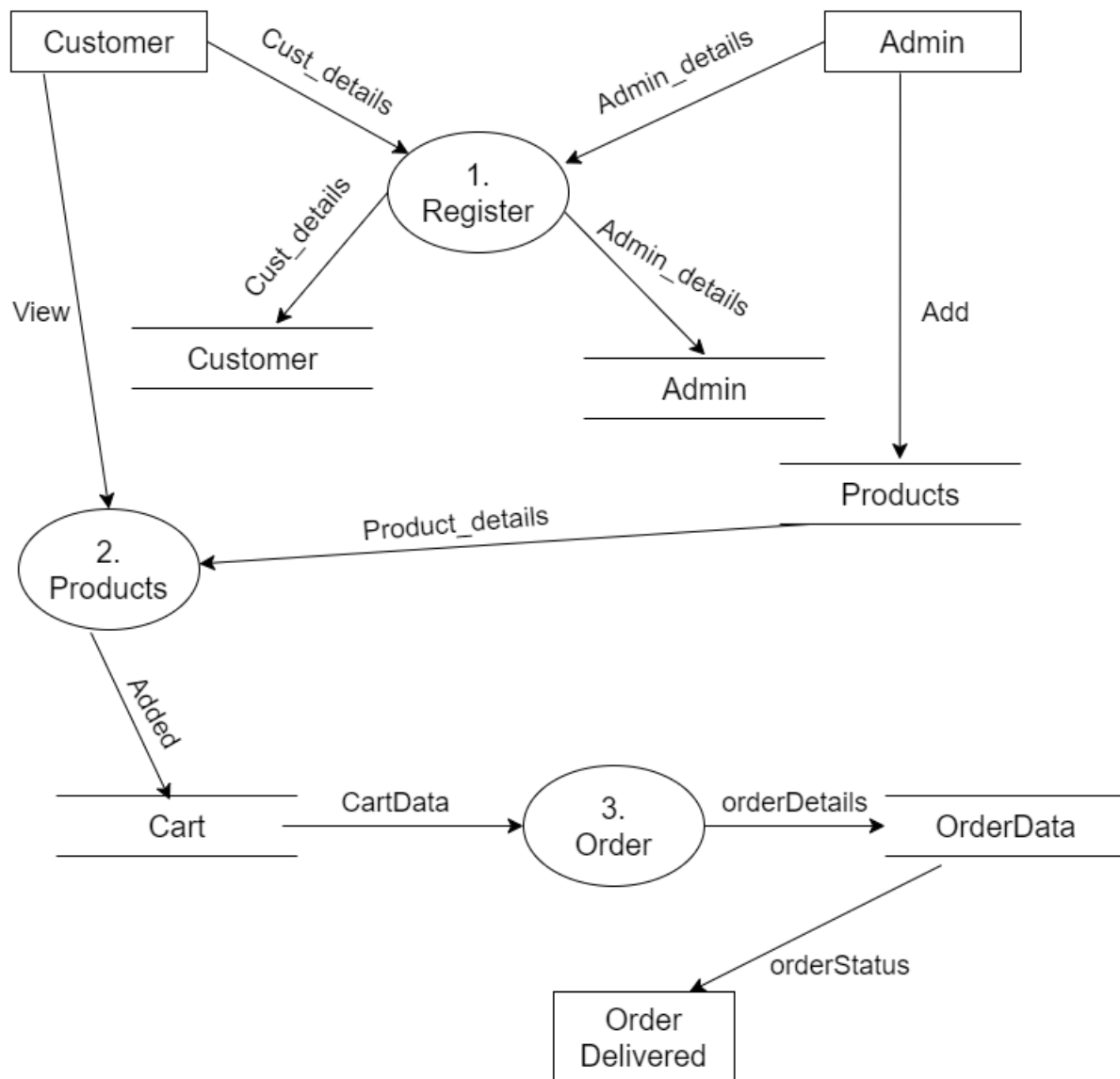


Figure 6: Level 1 DFD

4. CLASS DIAGRAM:

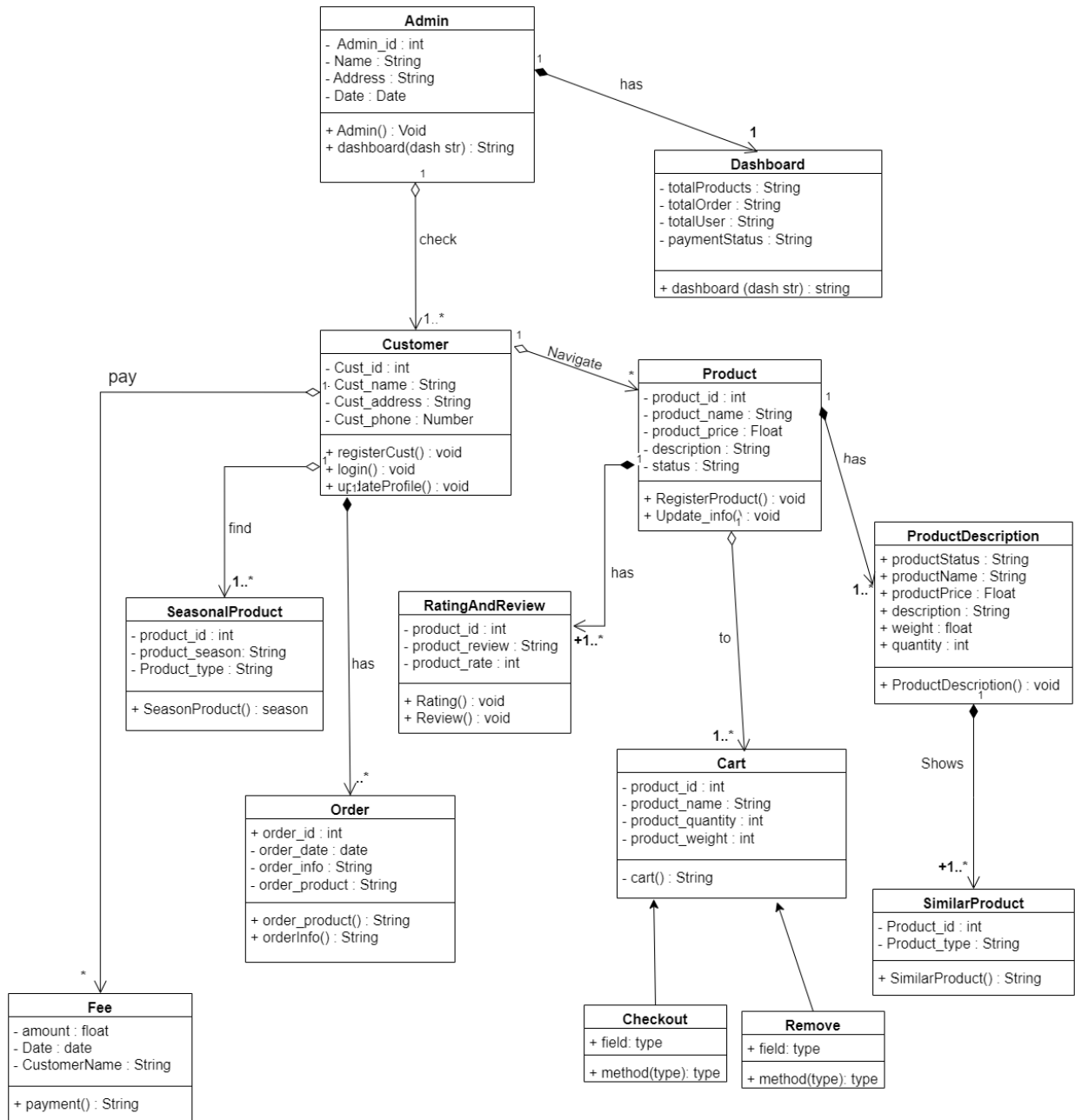


Figure 7: Class Diagram

5. ACTIVITY DIAGRAM:

5.1 Activity Diagram – Customer

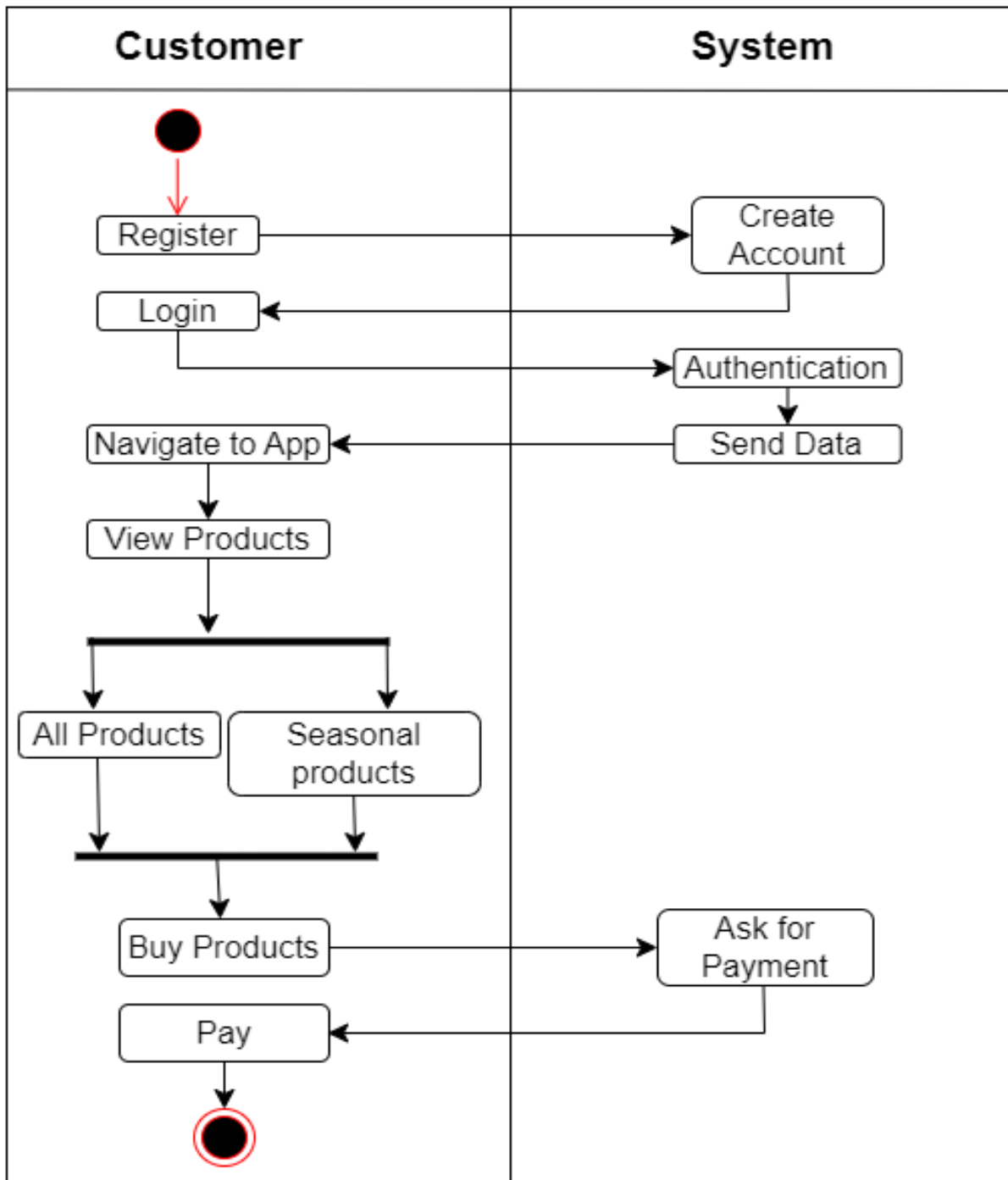


Figure 8: Activity Diagram - Customer

5.2 Activity Diagram – Admin

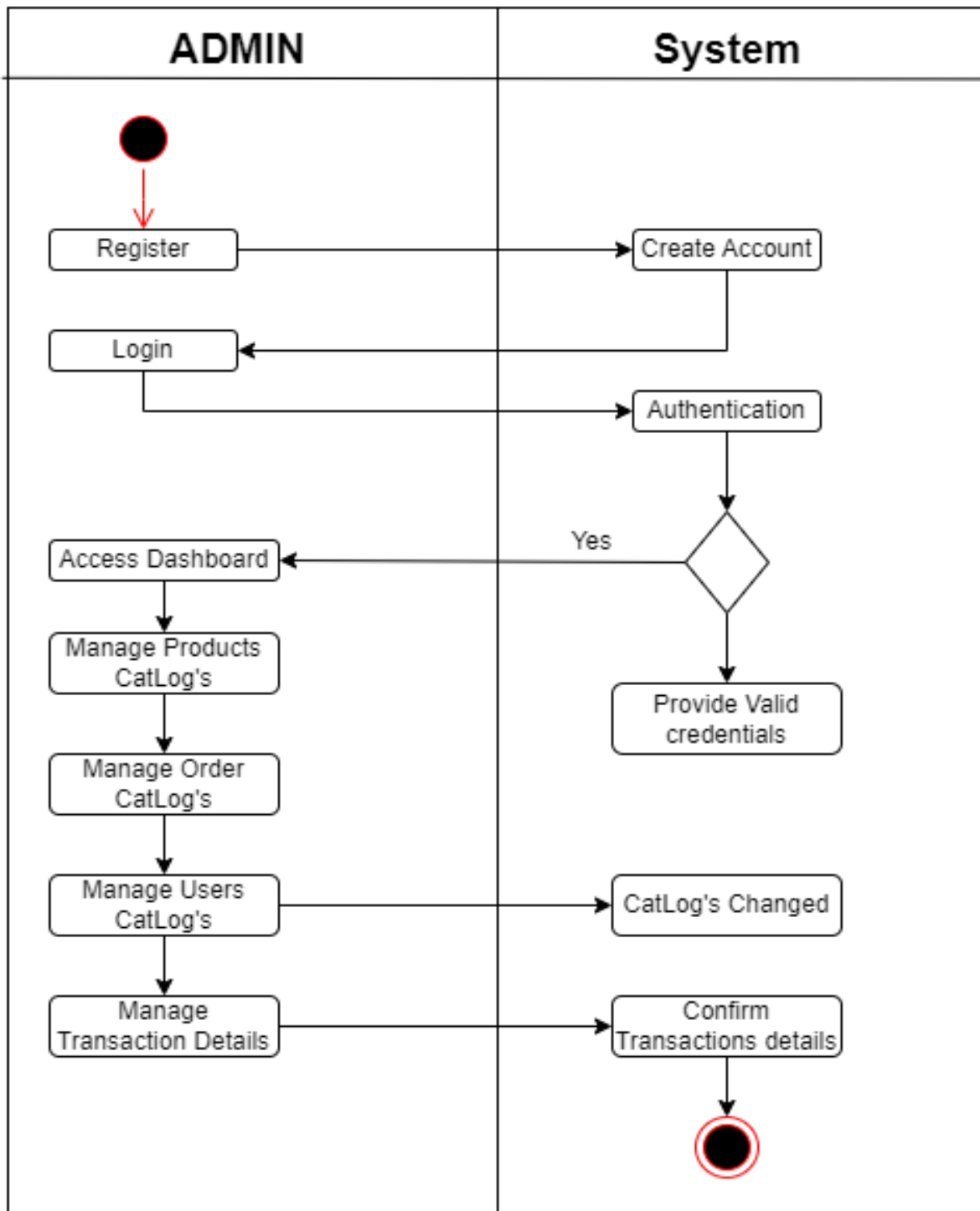


Figure 9: Activity Diagram - Admin

6. ENTITY RELATIONSHIP DIAGRAM:

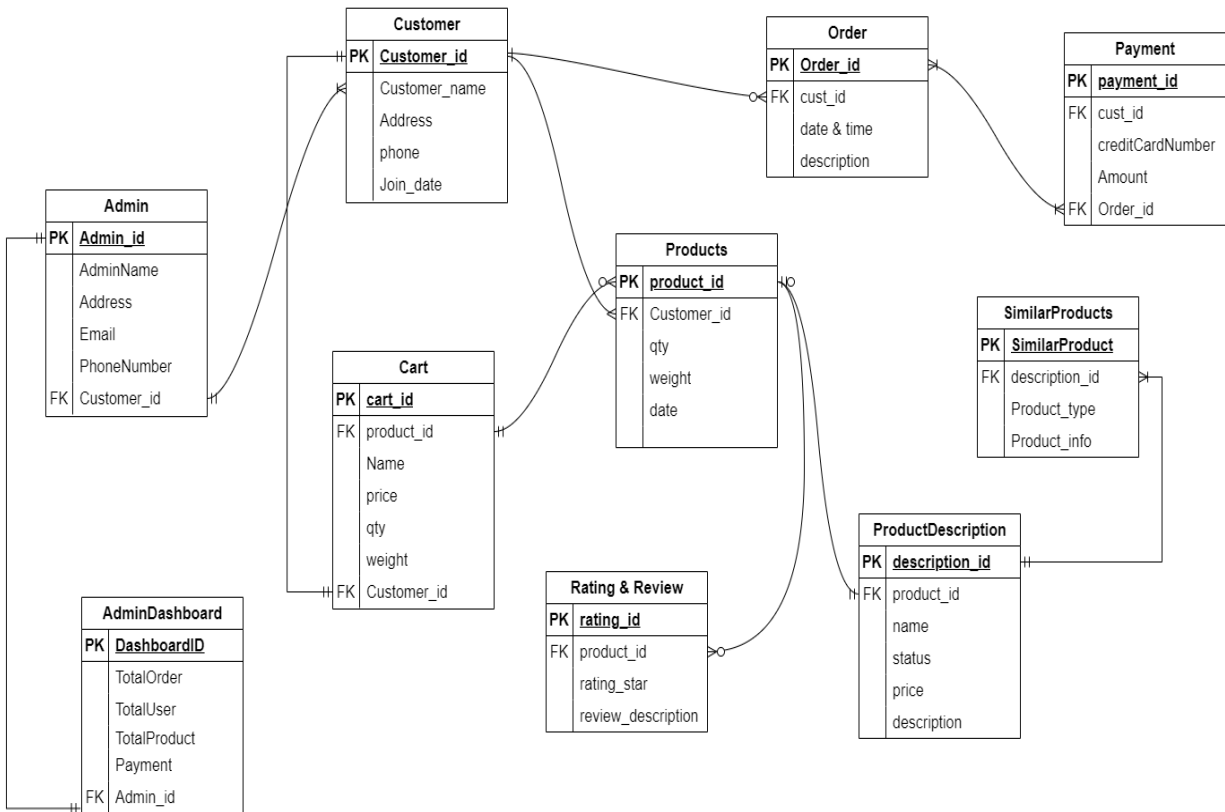


Figure 10: Entity Relationship Diagram

7. ARCHITECTURE OF THE SYSTEM:

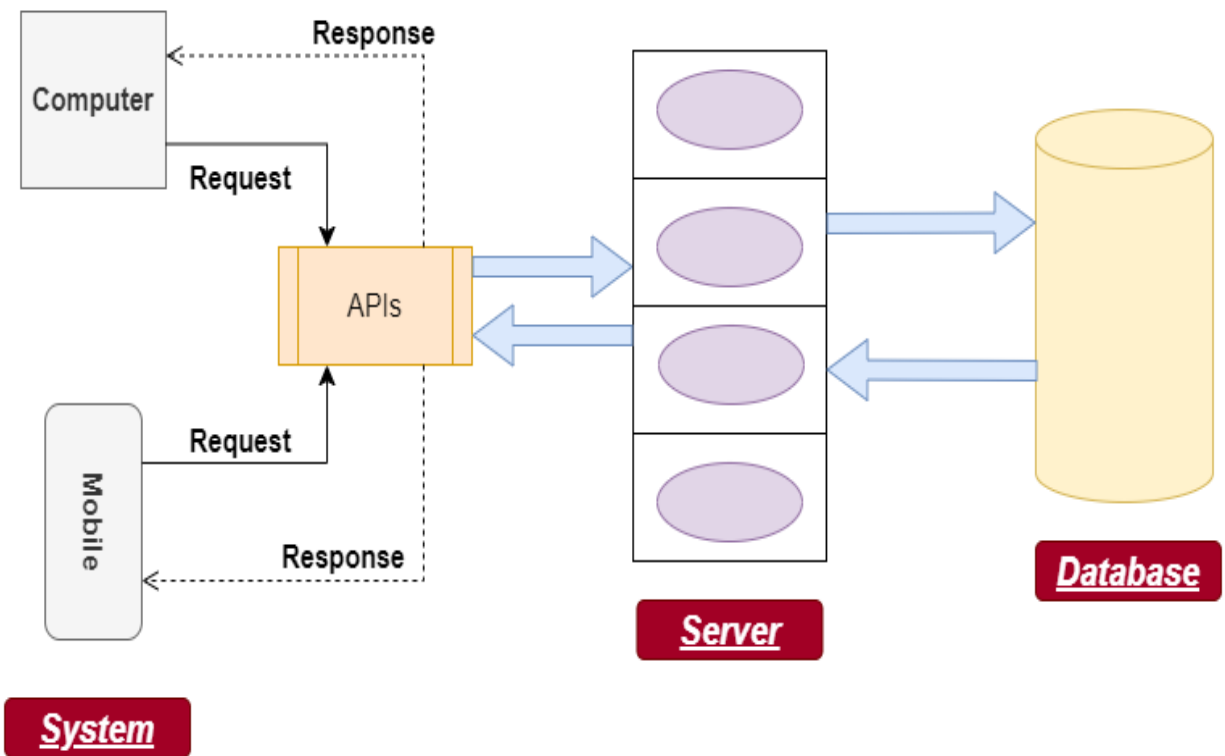


Figure 11: System Architecture

8. WIREFRAMES:

8.1 Admin Wireframe

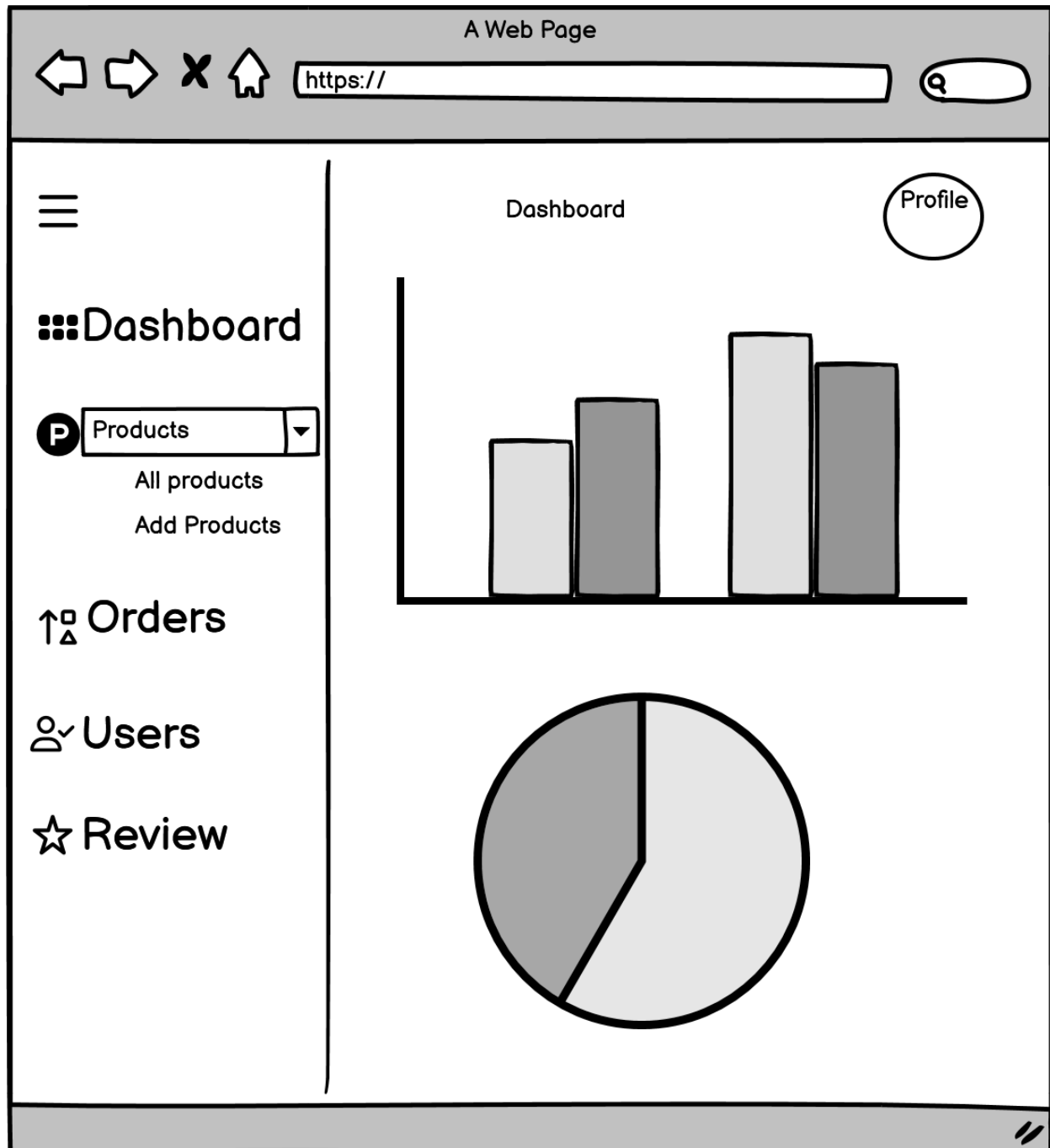


Figure 12: Admin - Dashboard

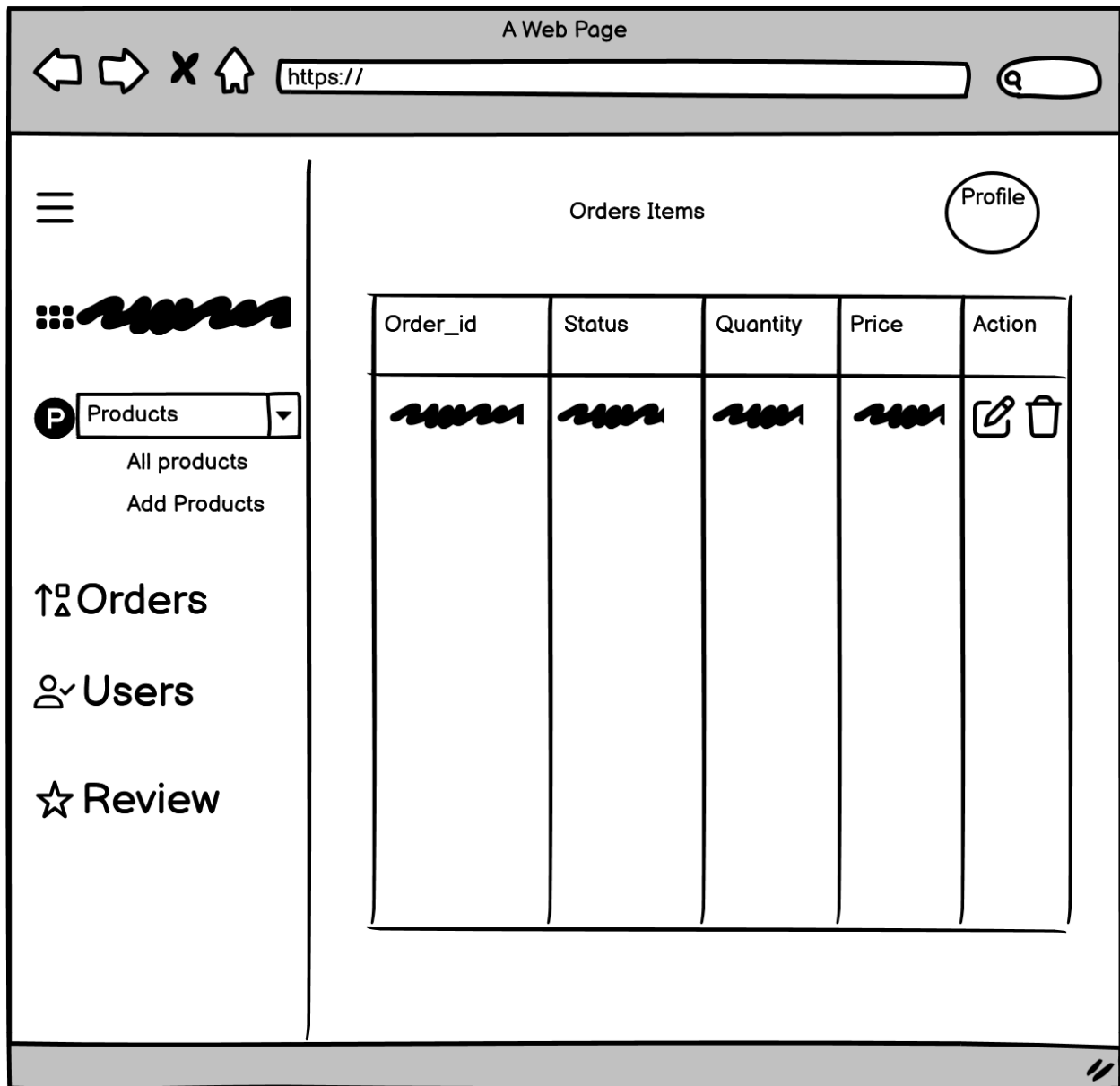


Figure 13: Admin - Order page

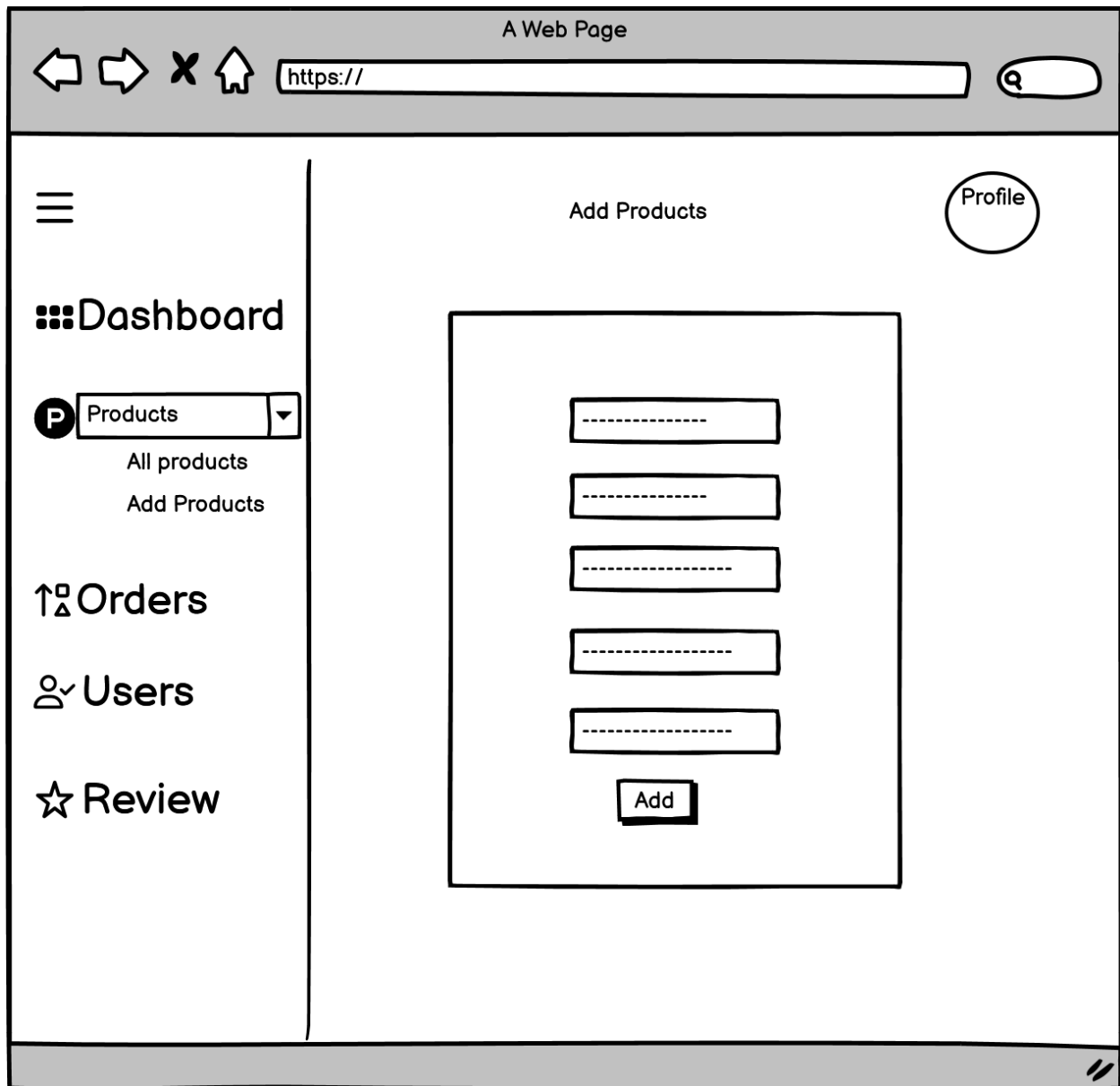


Figure 14: Admin - Add Products

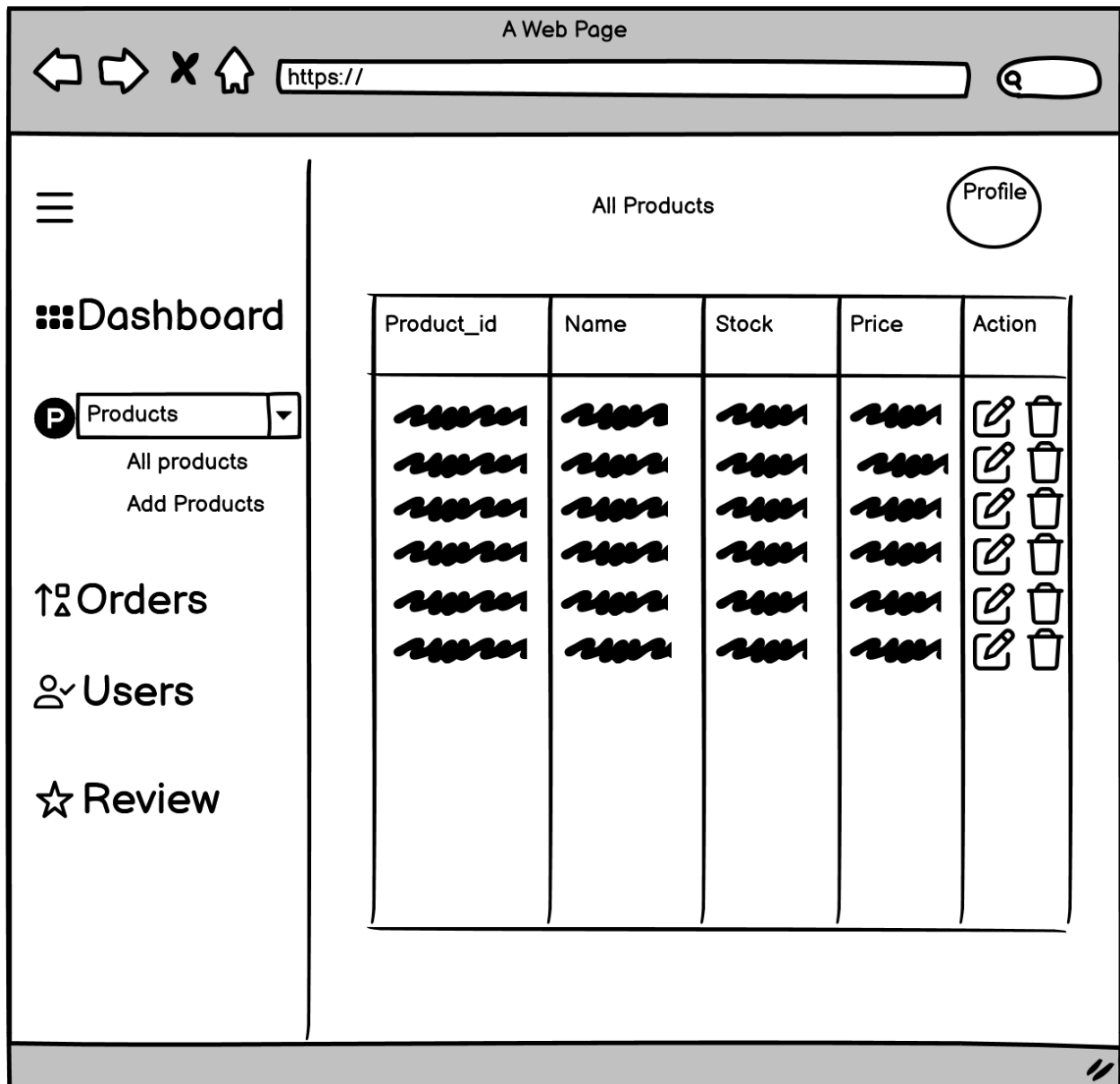


Figure 15: Admin - Product List

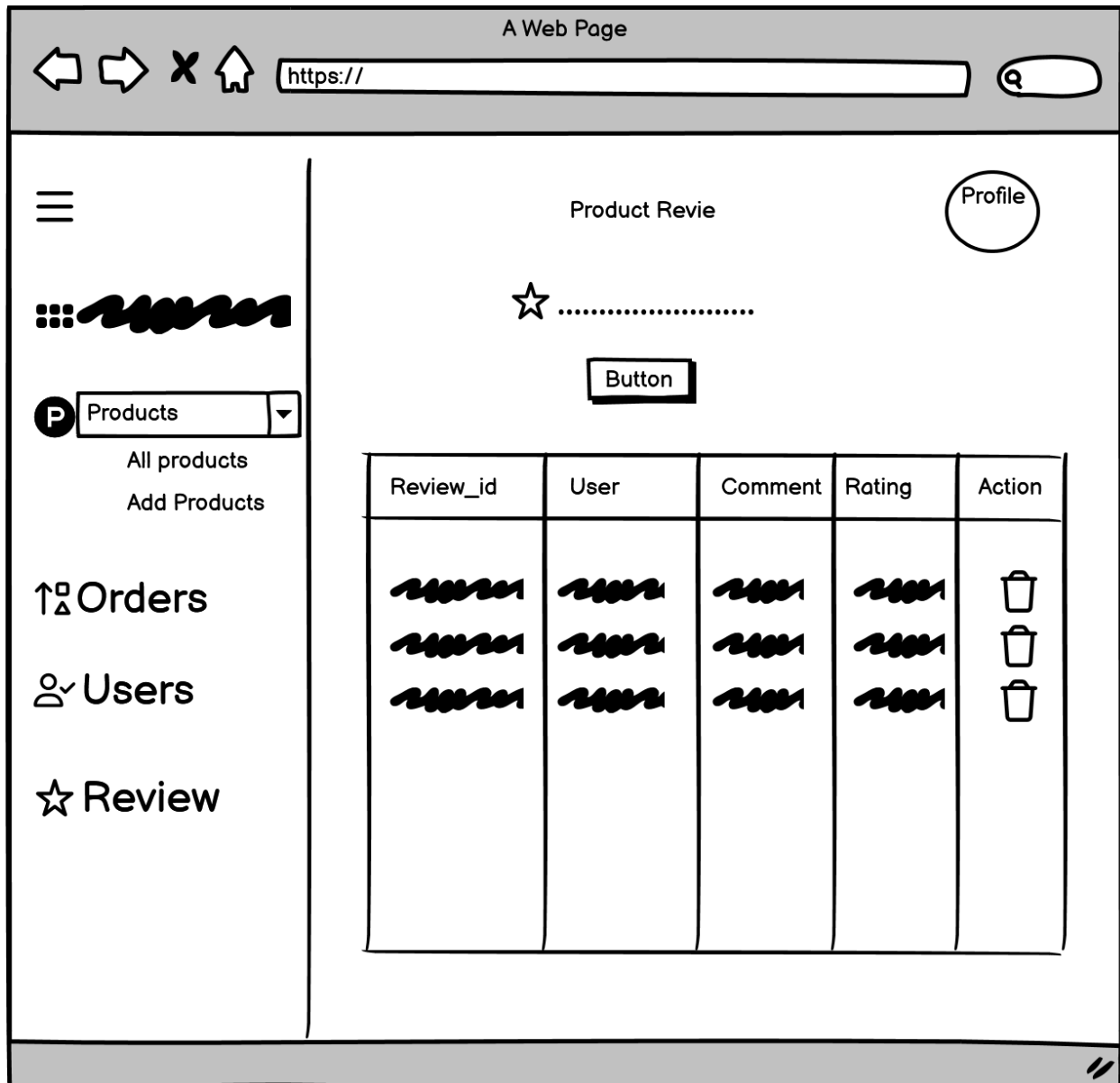


Figure 16: Admin - Review Page

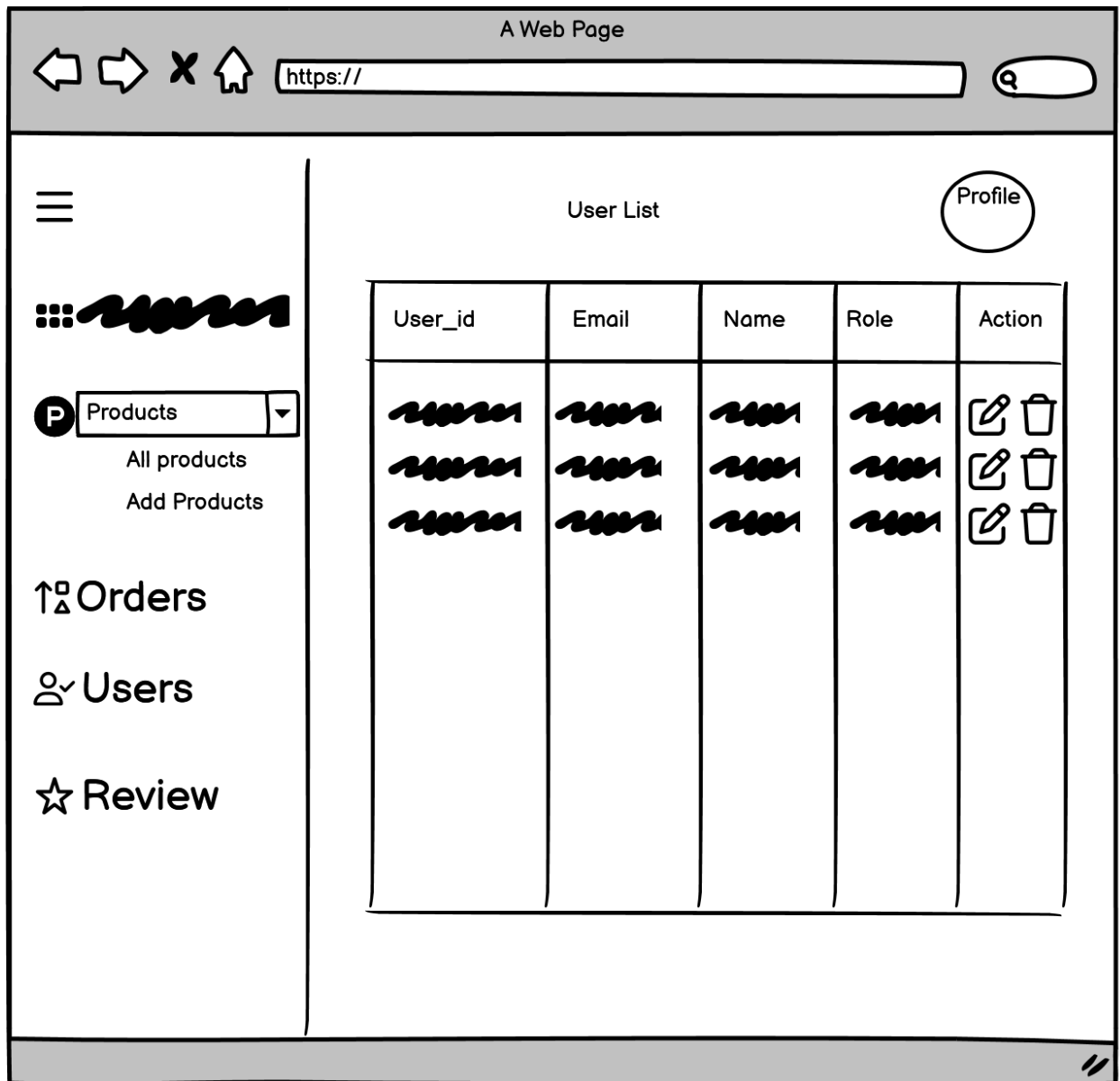


Figure 17: Admin - User List

A Web Page

https://

Profile Picture

Name	-----
Address	-----
Email	-----
Contact	-----

Edit Profile

Change Password

Figure 18: Admin – Profile

A Web Page

https://

Edit Profile

Name	-----
Address	-----
Email	-----
Contact	-----

Update details Cancel

Figure 19: Admin - Edit Profile

A Web Page

https://

Change Password

Old Password	-----
New Password	-----
Again New Password	-----

Change Password

Cancel

Figure 20: Admin - Change Password

A Web Page

https://

Registration

Signup

name.....

Address.....

Contact.....

Email.....

Role.....

Password.....

Already have account? [Sign in](#)

Figure 21: Admin - Registration Signup

A Web Page

https://

Registration Login

Email or Username

Password

Log in

Don't have account? [Sign up](#)

Figure 22: Admin - Registration Login

8.2 Customer Wireframe

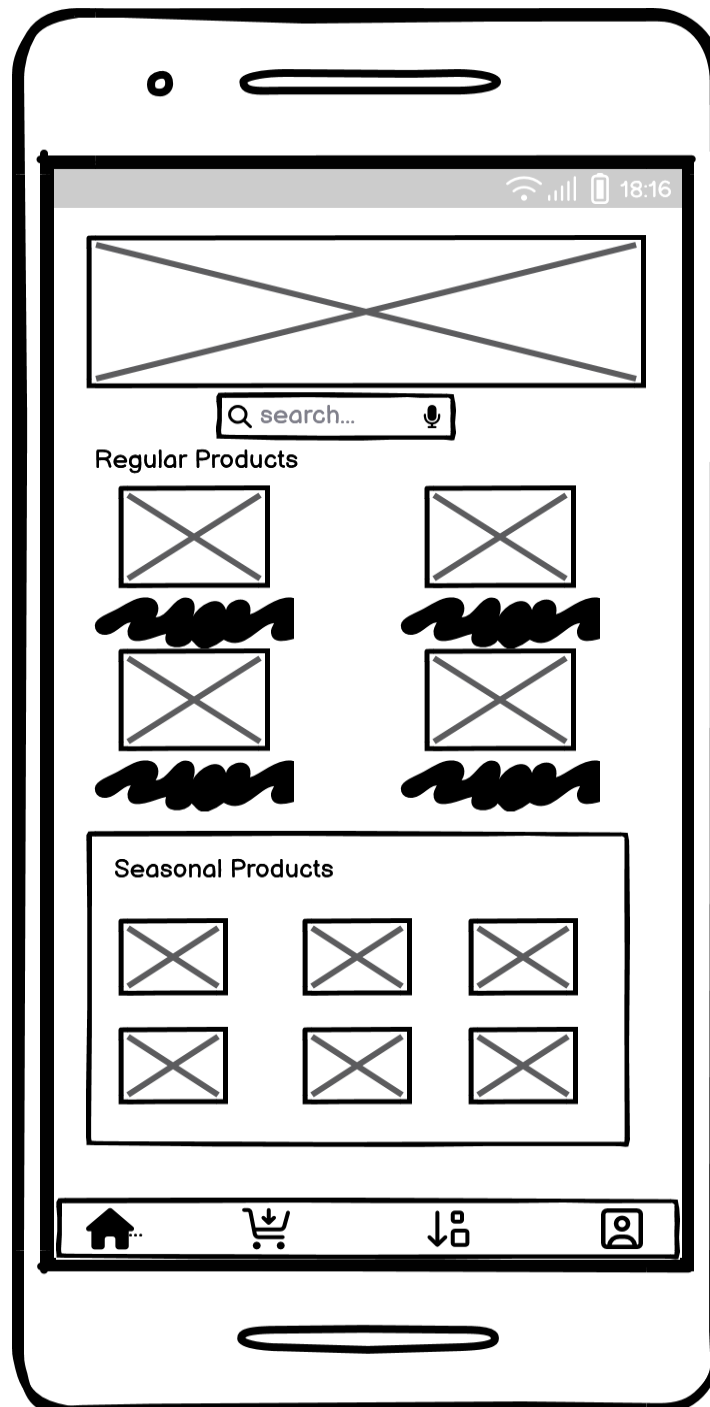


Figure 23: Home Page

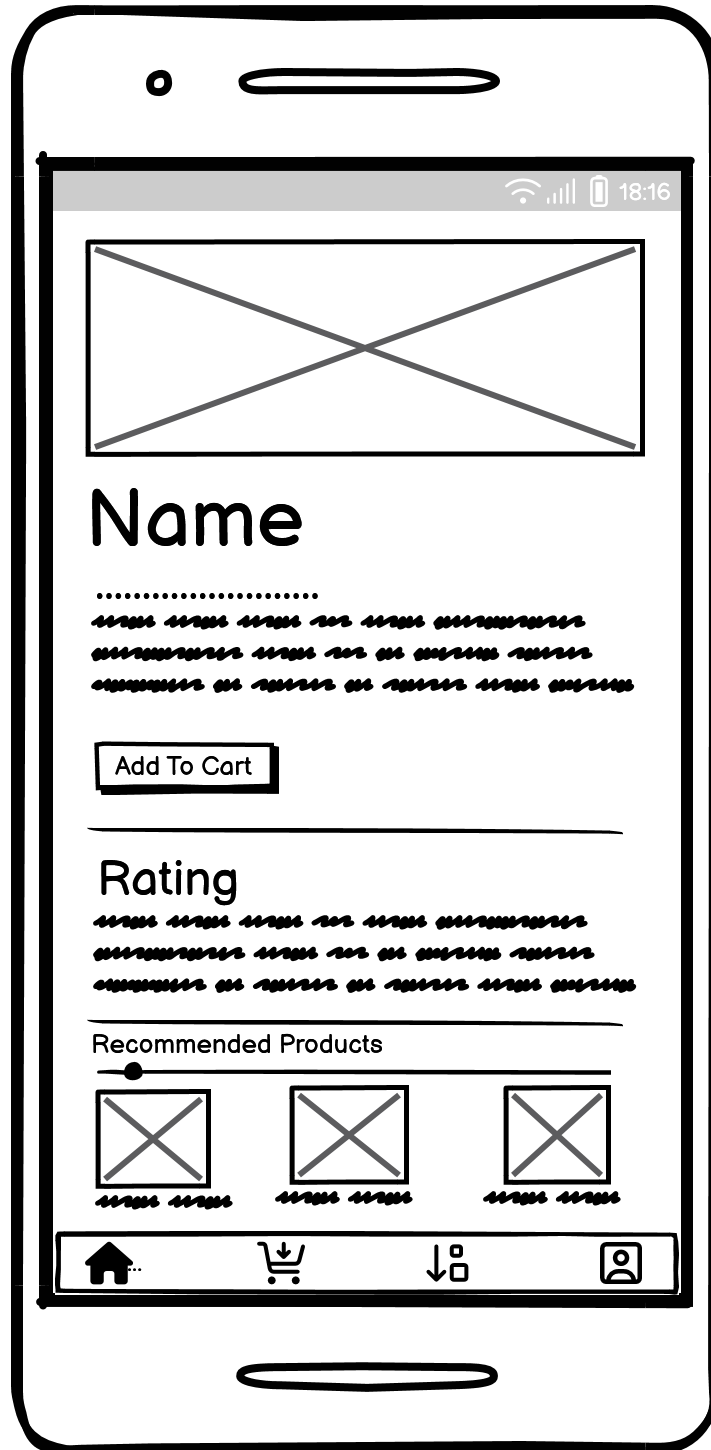


Figure 24: Product Description

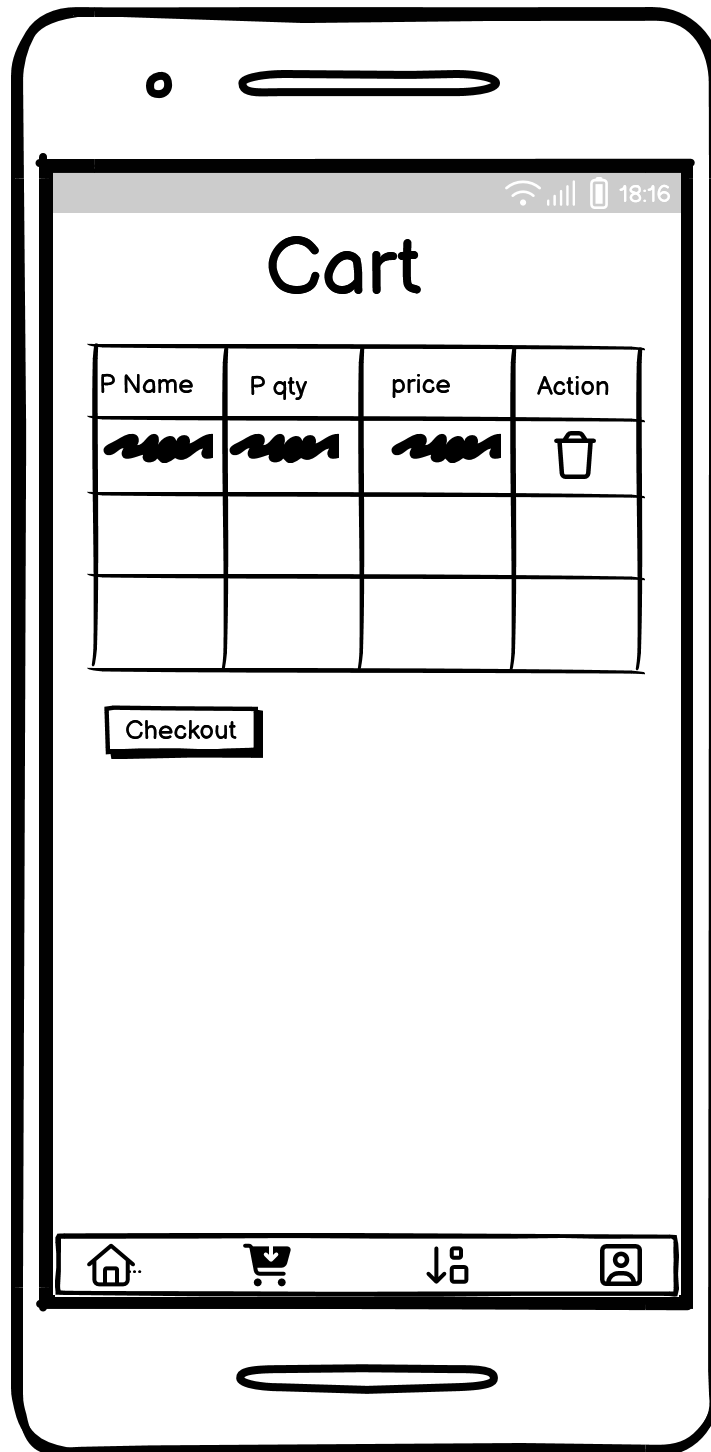


Figure 25: Cart Page

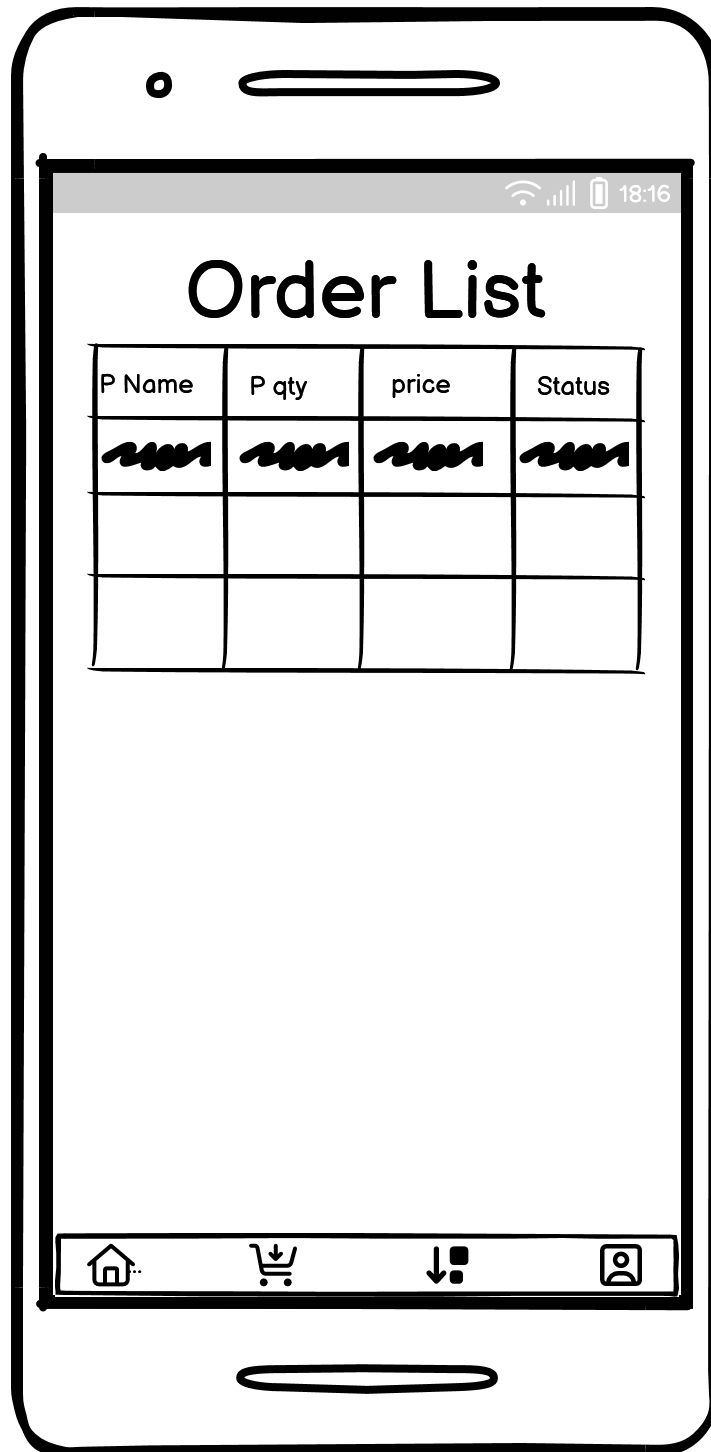


Figure 26: Order List

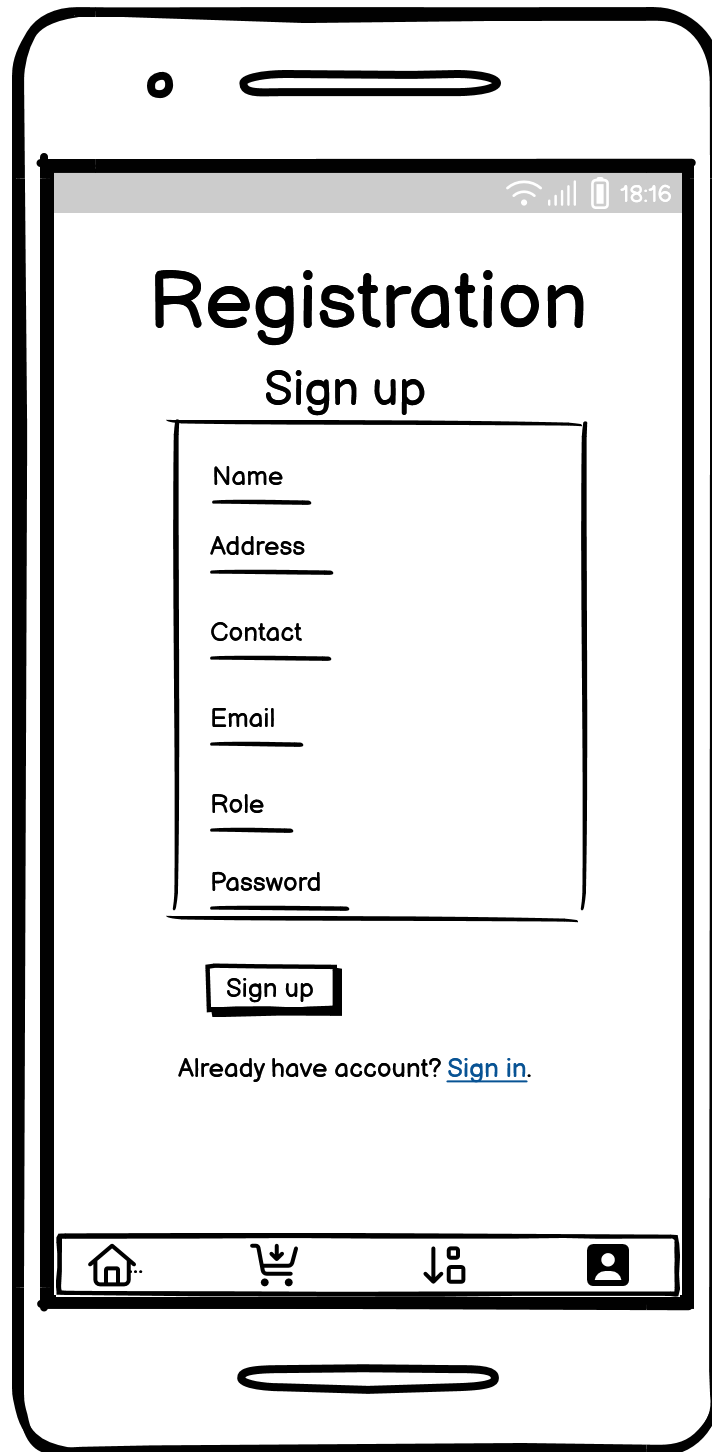


Figure 27: Registration - Sign Up

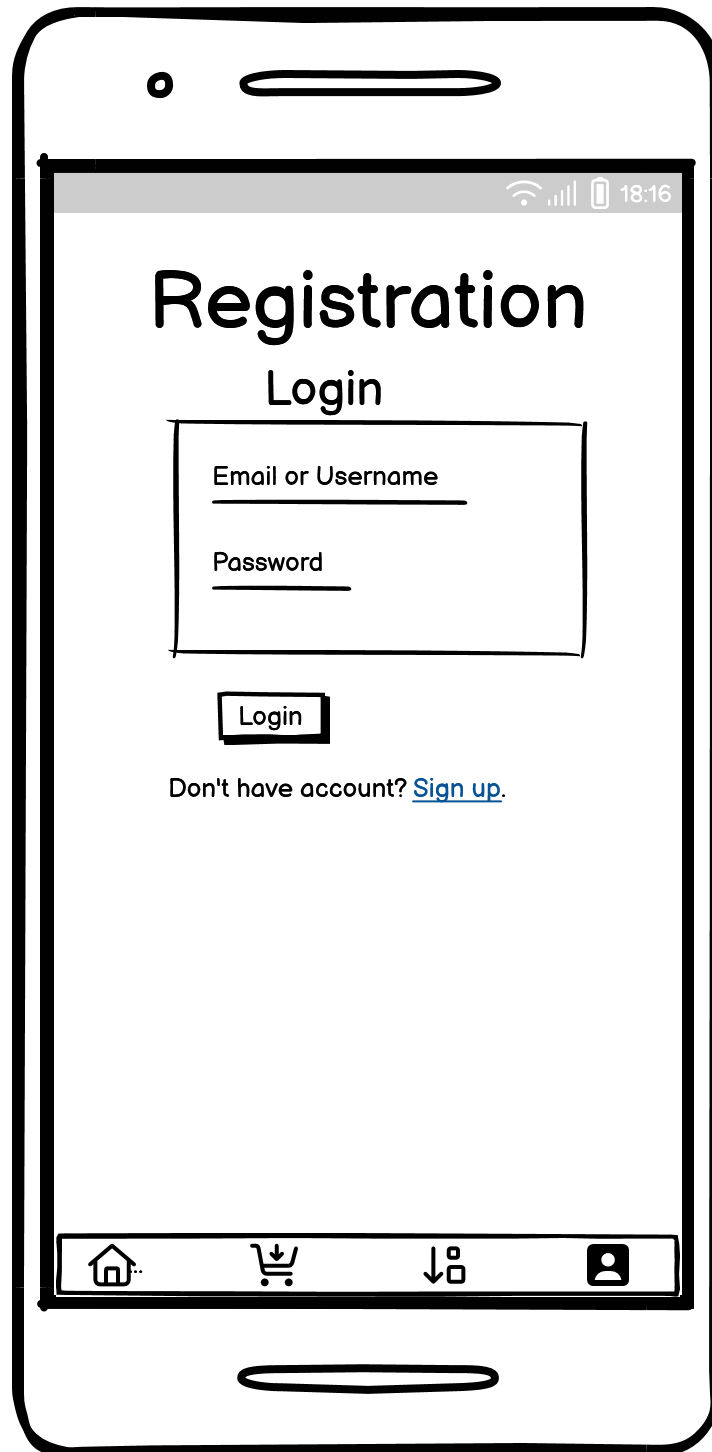


Figure 28: Registration - Sign in

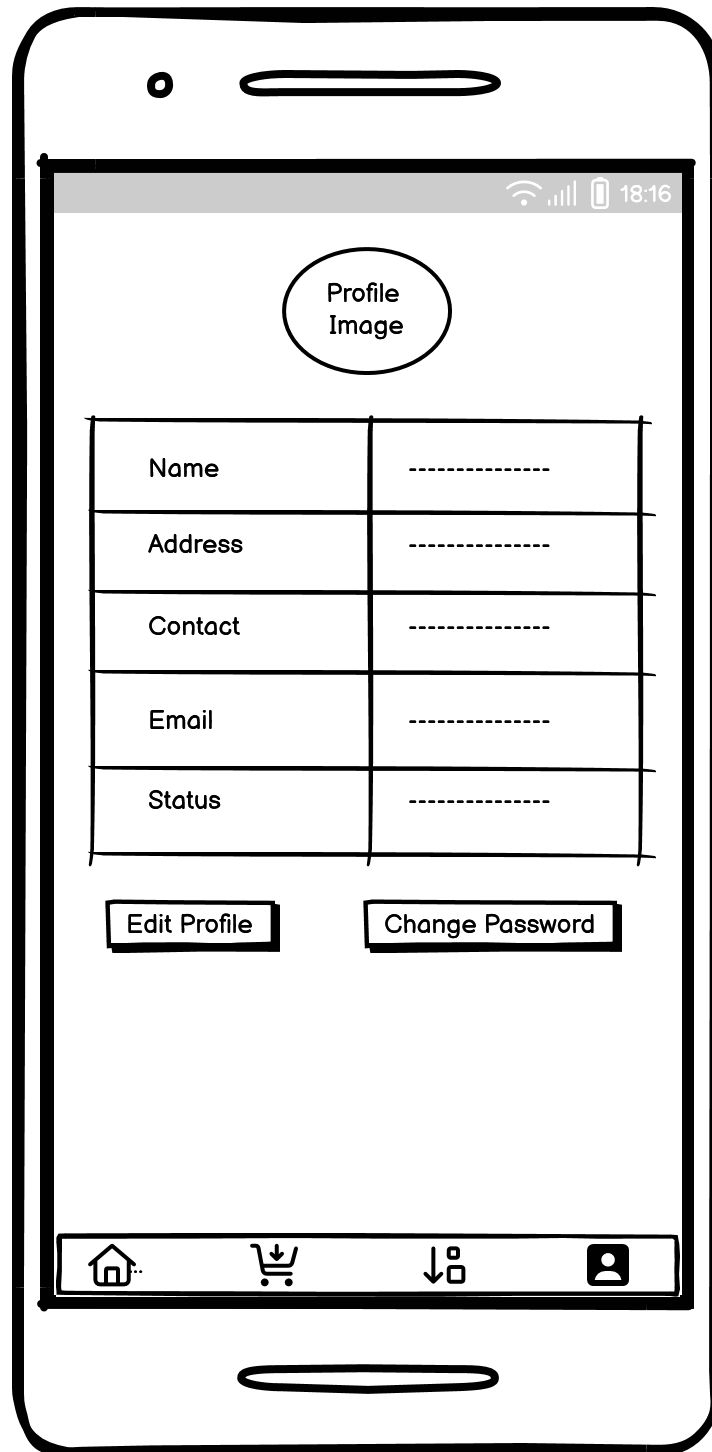


Figure 29: Profile

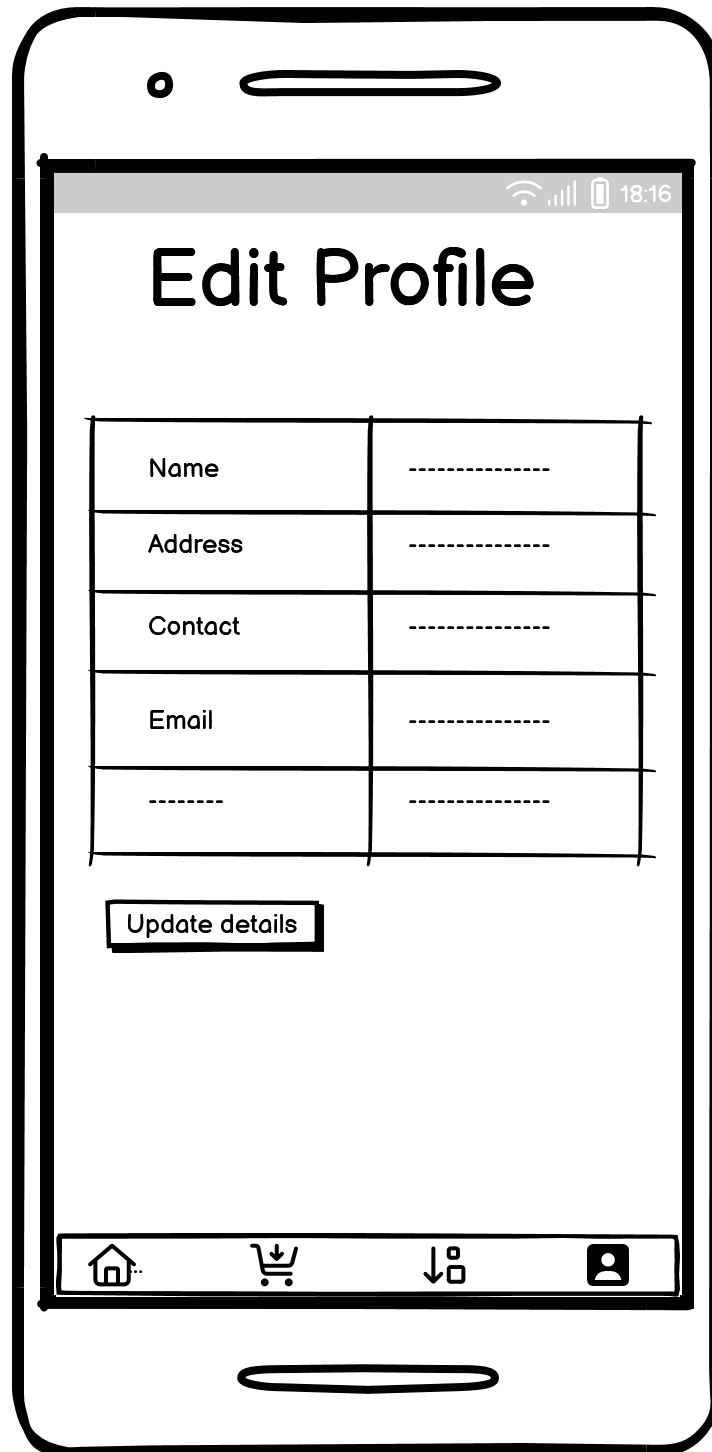


Figure 30: Profile - Edit Profile

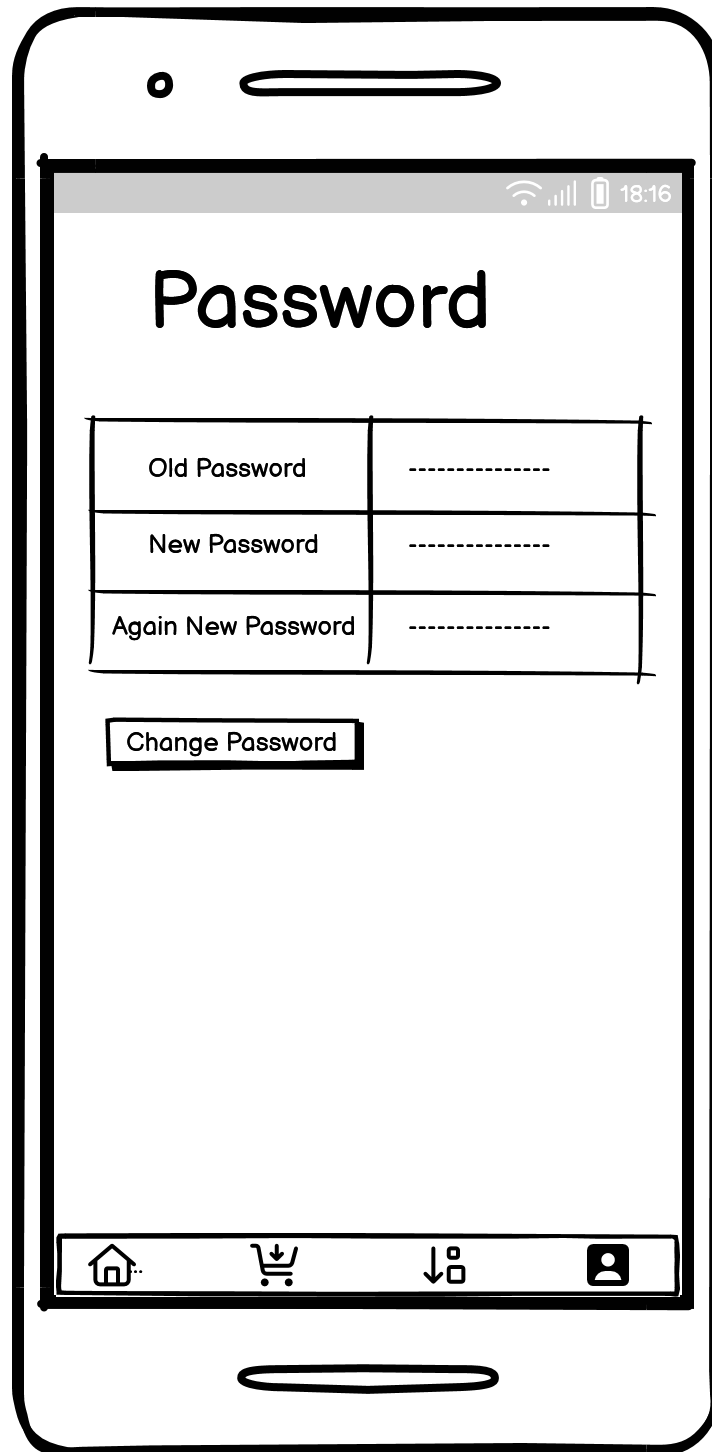


Figure 31: Profile - Change Password