



# WALMART

(Save money. Live better)

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## TABLE OF CONTENTS:

1. ABSTRACT_____	3
2. INTRODUCTION_____	4
3. PROBLEM STATEMENT_____	5
4. OBJECTIVE_____	5
5. RELATED WORK_ _____	6
6. MODULES OF PROJECT_____	7
7. TOOLS AND METHODOLOGY_____	8
8. WIRE FRAMES_____	8
9. TEAM MEMBERS _____	13
10. FUNCTIONAL REQUIREMENTS_____	13
11. NON-FUNCTIONAL REQUIREMENTS_____	10

# **1.ABSTRACT:**

Ecommerce<sup>1</sup> (electronic commerce or EC), also known as electronic commerce or internet commerce refers to the buying and selling of items faster using the internet, and the transfer of resources or money. Ecommerce is often defined as the sale of products online across the world.

If you have a physical store you are limited to geographical region.

With an eCommerce website, you can trade across the world.

It reduces the cost of products, people can buy and sell depending upon their free time, eliminate travel time and cost, provide comparison shopping, provide abundant information, and remain open all time.

Walmart<sup>2</sup> offers you to buy a wide range of items from groceries to gadgets. You have to select your desired product and provide a payment method which can easily be done by signing up and then you can get your product by following methods.

- **Pickup:** you can get your product from a Walmart store nearby you.
- **Delivery:** It may take time but brings the product to your hands.
- **Shipping:** You can get your product from stores throughout the world.

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<sup>1</sup>Ecommerce: [E-commerce - Wikipedia](#)

<sup>2</sup>WALMART: [Walmart.com | Save Money. Live Better](#)

## **2. INTRODUCTION:**

This website has self-explain functionality you don't need to worry about how to use it. You are fully secured with us.

We owe on eCommerce website in daily life usage part of our daily lives. Advances in technology have made it possible for people to live in a comfortable environment in their homes and shop online without having to go to a material store.

The project is broadly divided into two main categories: Managers and Customers / Users.

The store manager and staff work as managers. They can add new products, remove old ones, and can add a recommendation list.

The customer can select products more precisely through department sections and can see and select a product for purchasing.

User is only able to buy products and give a review. The user is limited to the use of the shop. The interface of this website is very user-friendly anyone can use it if has technical knowledge or not. There is a special discount for students available. It provides better service for customer care you can solve your query anytime. We use Html and CSS as basic language moreover it does not requires high-speed internet if you belong to a rural area and have slow internet then you do not need to worry it is a very efficient secure and user-friendly website.

### **3. PROBLEM STATEMENT:**

Online eCommerce websites provide an easy way to sell products to a large customer base. However, there is a lot of competition among multiple eCommerce websites a lot of scams are available on the internet now you can put your worries aside and start shopping because it provides a secure experience. Merchants can sell their products online worldwide they can perform their other tasks and can increase their productivity.

It is also convenient for the buyer can shop for anything by sitting in one place by using their phone they can buy electronics and cloth without having any trouble.

Women can buy without going outside their houses and leaving their families.

### **4. OBJECTIVE:**

With this website, you can take your productivity to next level. With this website you reach maximum customers at right time to increase sales of business Others, namely the eCommerce site, act as a visual shop where visitors become customers who walk down the digital aisles of your business, filling their carts with your products.

Customers can get Benefits from sales through regular notifications and suggestions and proper mailing from store owners.

## **6. RELATED WORK:**

Walmart is the sector's largest company in terms of sales. So, Walmart is extremely a success. Many corporations just like Walmart do a thorough job. which provide extraordinarily low charges and a wide form of family goods and grocery objects. Walmart makes yearly the most money, however, a number of the competitors come close. Kroger<sup>3</sup> is certainly one of the biggest Walmart competitors, with over three national places. Like Walmart, the organization sells grocery gadgets and has a pharmacy placed in nearly every keep.



Costco<sup>4</sup> is a wholesale membership-handiast retail shop that operates over 804 warehouses international, which include 558 within the USA, and gives low prices however in bulk delivery.

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<sup>3</sup>Kroger: <https://www.kroger.com>

<sup>4</sup>Costco: <https://customerservice.costco.com>



## **6. MODULES OF PROJECT:**

This website consists of the following main modules

- **PRODUCT INFORMATION MANAGEMENT:**

This module provides information about the product including pricing and details about the product. The management system can update information as well.

- **ACCOUNT:**

If you are buying or selling a product then the website must have information about the client. This section deals with account signing-up and signing-in.

- **DEPARTMENTS:**

Everything is organized according to its genre this is handled by This module.

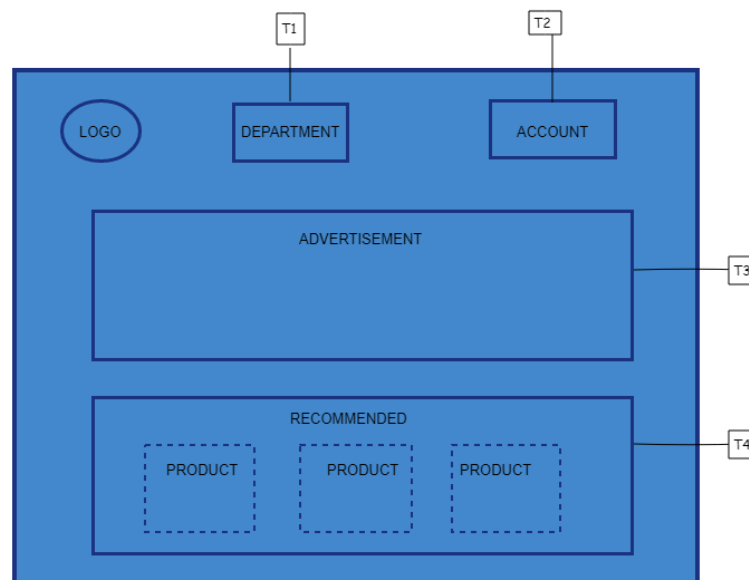
## **7. TOOLS AND METHODOLOGY:**

In this project, we use advanced HTML<sup>5</sup> and CSS<sup>6</sup> as basic tools and its advanced tags which help in mapping all around the webpages.

We use basic and simple attributes to do more with the website this was all about the front end We used node and java-script.

## **8. WIREFRAMES:**

### **Home Page**



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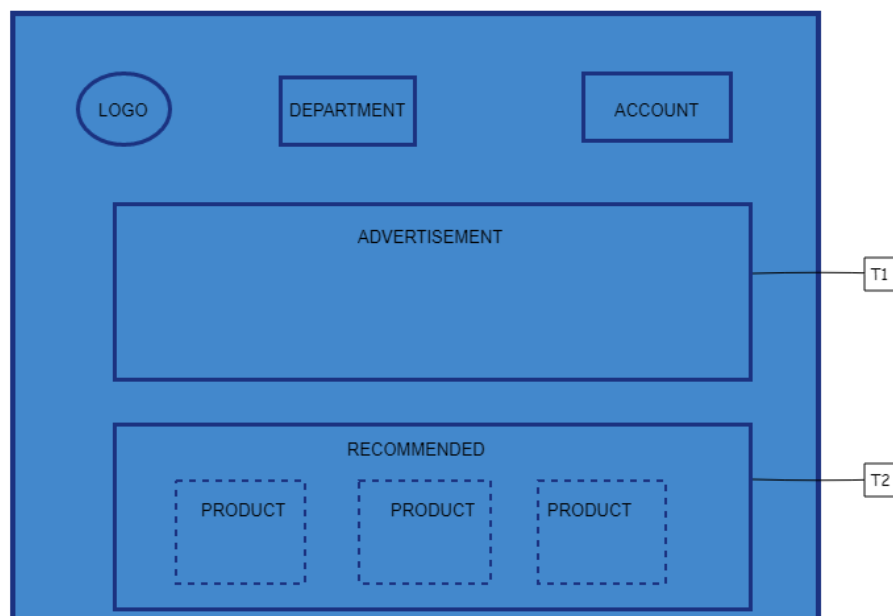
<sup>5</sup>HTML: [HTML Tutorial \(w3schools.com\)](https://www.w3schools.com/html/)

<sup>6</sup>CSS: [CSS Tutorial \(w3schools.com\)](https://www.w3schools.com/css/)



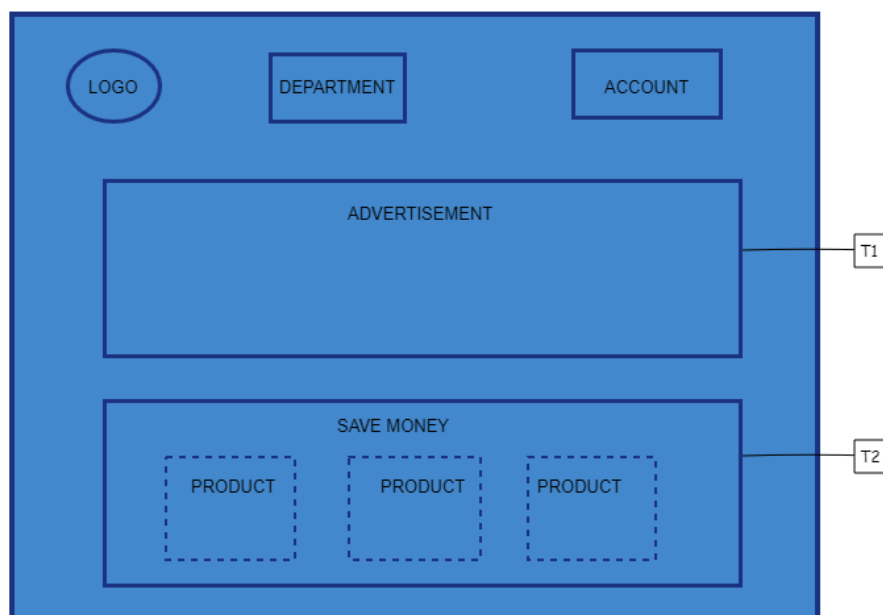
	USER	ADMIN
T1	As a user I shall be able to see and select different departments.	As an admin, I shall be able to add or remove different departments.
T2	As a user, I shall be able to sign in to the system if I already have an account.	As an admin, I shall be able to sign in to the system if I already have an account.
T3	As a user, I shall be able to see and chose different ads.	As an admin, I shall be able to update different ads.
T4	As a user, I shall be able to select different products.	As an Admin I shall be able to add or remove different products.

## ELECTRONICS



	USER	ADMIN
T1	As a user, I shall be able to watch and select different ads.	As an admin, I shall be able to change ads.
T2	As a user, I shall be able to select popular products according to different visitors	As an admin, I shall be able to change the list of the popular products

## FURNITURE & APPLIANCES



	USER	ADMIN
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T1	As a user, I shall be able to watch and select different ads.	As an admin, I shall be able to change ads.
T2	As a user, I shall be able to select a value for money products.	As an admin, I shall be able to change the value for money products list.

## SIGN-UP

NAME:

E-MAIL :

PASSWORD :

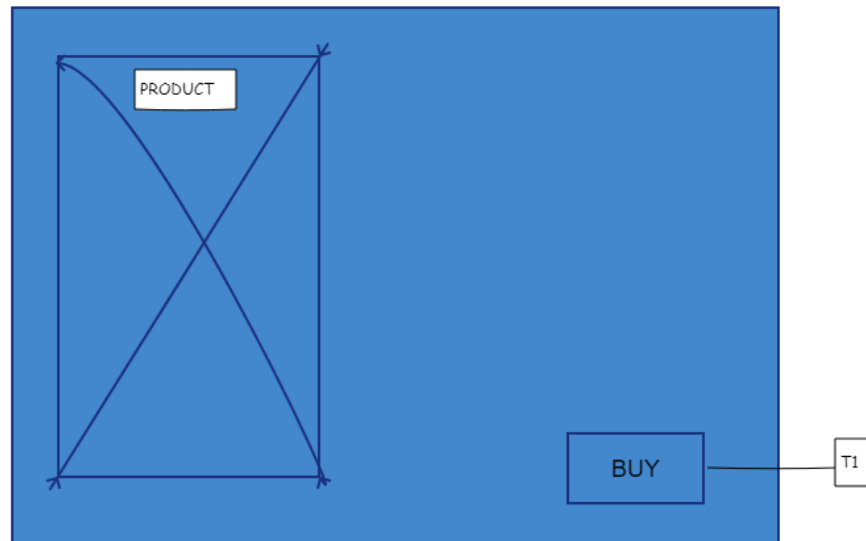
RE-TYPE PASSWORD

SUBMIT

T1

	USER	ADMIN
T1	As a user, I shall be able to click on submit button to get registered after filling out the form.	As an admin, I shall be able to authorize users to get updates and buy new products.

## PRODUCT DESCRIPTION



	USER	ADMIN
T1	As a user, I shall be able to confirm the order for shipping.	As an admin, I shall be able to send notifications about orders to users.

## **9. TEAM MEMBERS:**

This whole project was completed by two team members.

- ZAIN ALI
  - 2021-SE-23
- UME-HABIBA
  - 2021-SE-27

We worked together for the front end and backend we completed each task by collaborating. Every module was planned and designed together.

## **10. FUNCTIONAL REQUIREMENTS:**

### **ACCOUNT:**

- The website shall allow the user to sign in if he/she already has an account

### **DESCRIPTION:**

- The website shall allow users to see descriptions of the product.

### **TRANSACTIONS:**

- Users can pay /her bill in a secure way.

### **Delivery:**

- The website shall allow users to view its product delivery details.

### **STORE OWNER**

- The seller Shall be able to remove old items.
- The seller shall be able to add new items.
- The seller shall be able to add a description to the product.

## **11. NON-FUNCTIONAL REQUIREMENTS:**

- **Security:**

Our store must maintain its security by keeping the credentials and private information of the users secure through two-step verification and user authentication. The personal data of the users must be encrypted so that no one except the admin could access it.

- **Ease of use:**

1. All the requirements must be according to the user.
2. Menu items must have self-explanatory names.
3. Place holders must be available for the user.
4. The form provided to the user must be easy to fill as only the necessary and basic information be asked.

- **Availability:**

Our store must be available 24/7 by ensuring internet availability and other essentials.

- **Maintainability:**

Our store must be regularly maintained and modified to fix the bugs and issues by adding new features and functions to the interface.

If any error occurs, the system must be able to show the error to the admin so that it can be fixed.

- **Scalability:**

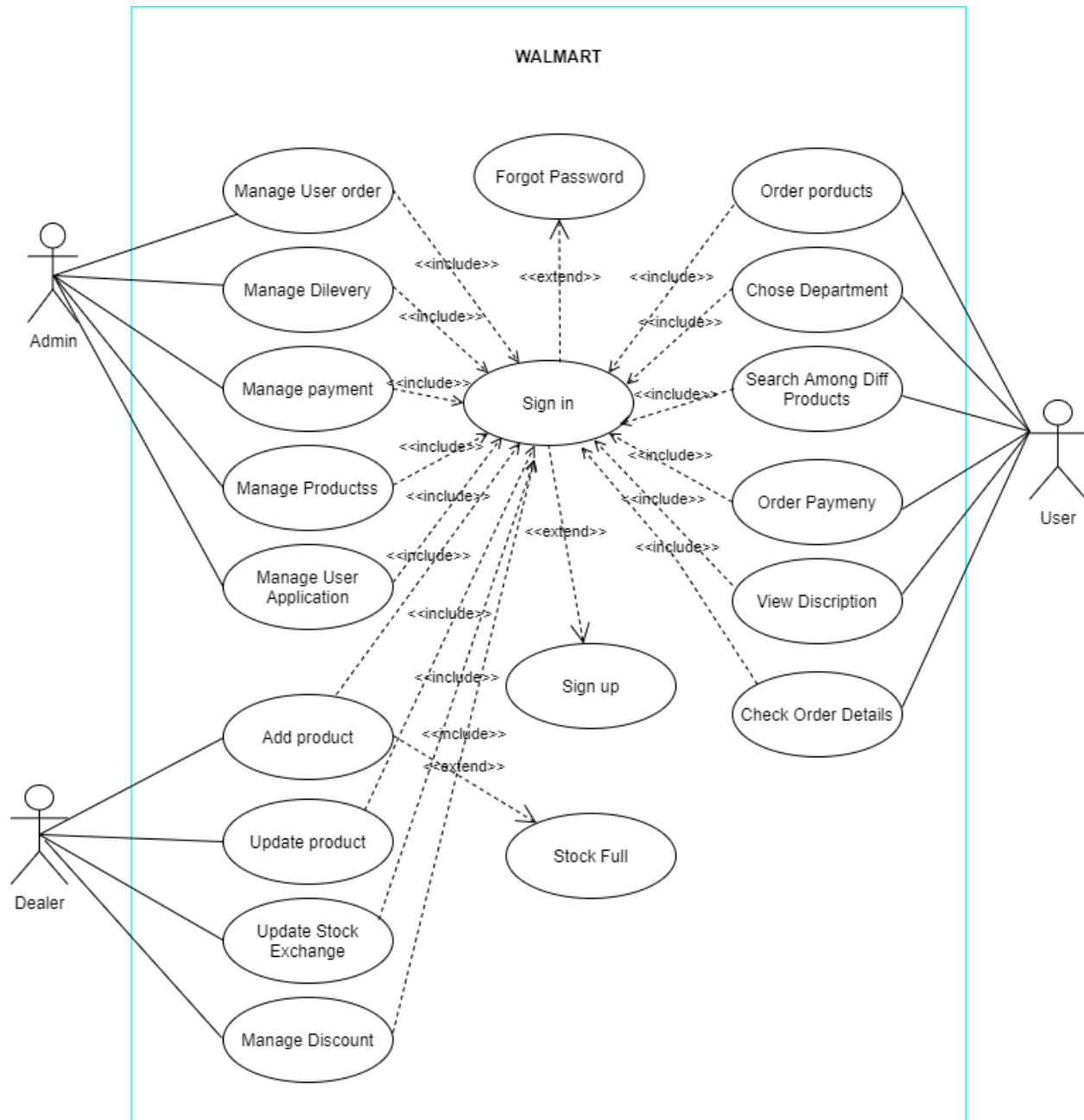
Our store must be capable of supporting the changing requirements whether that's in the form of new customers or a large form of data.

- **Responsiveness:**

1. The Website must respond within 3 seconds to any of the user's requests.
2. Form must be shown to the user within 2 seconds.
3. Submitted form must be received by the admin within 5 seconds.
4. Product must be sent to cart in 1 second.
5. User must receive a confirmation email within half an hour.

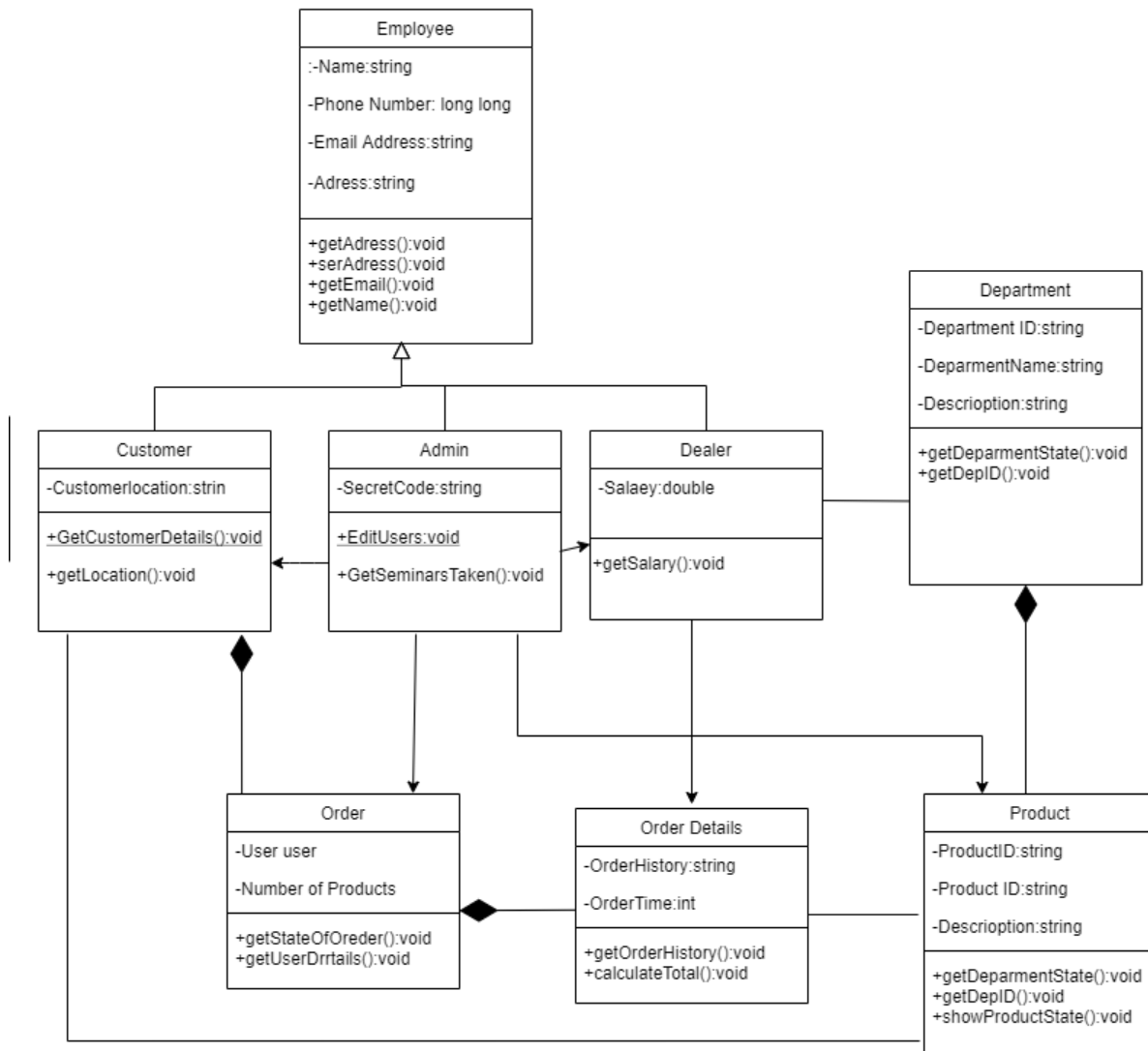
# UML DIAGRAMS

## USECASE DIAGRAM



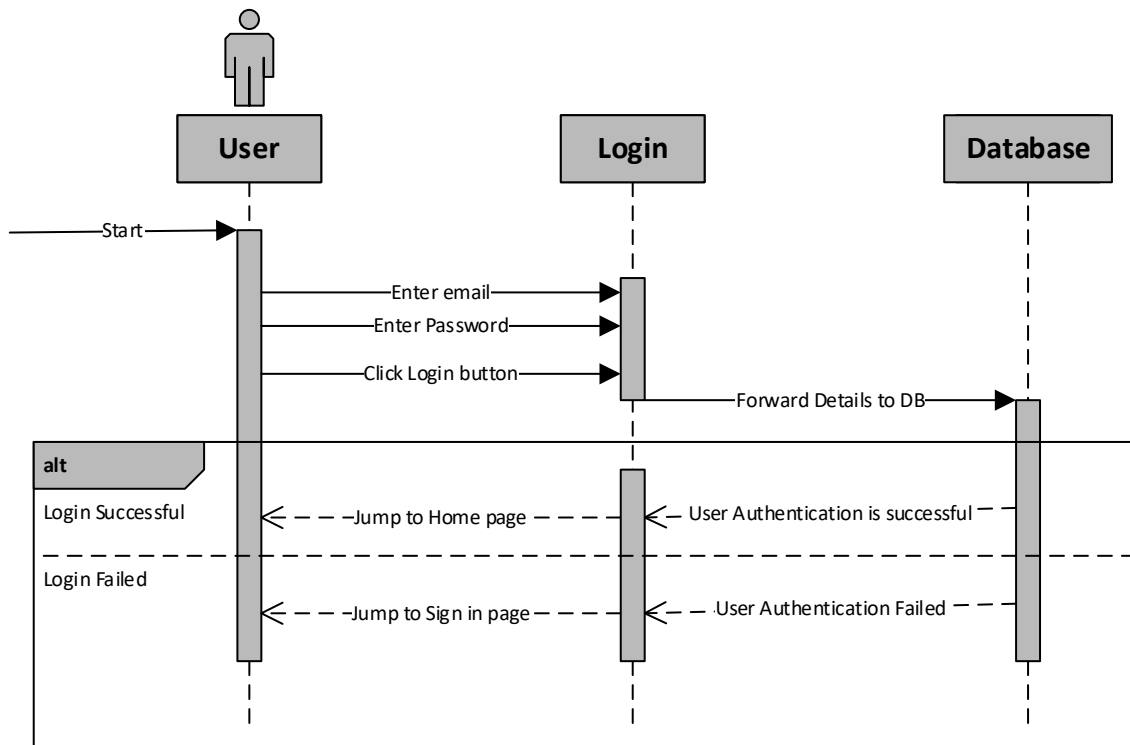


# CLASS DIAGRAM

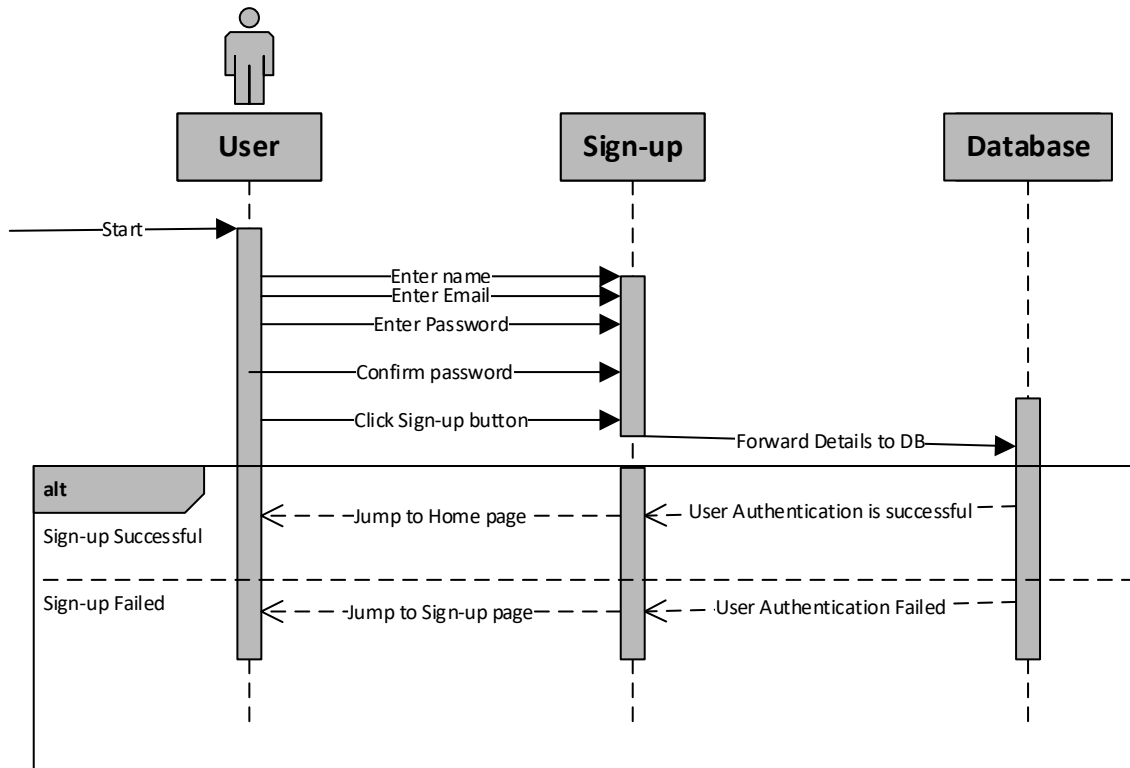


# SEQUENCE DIAGRAMS

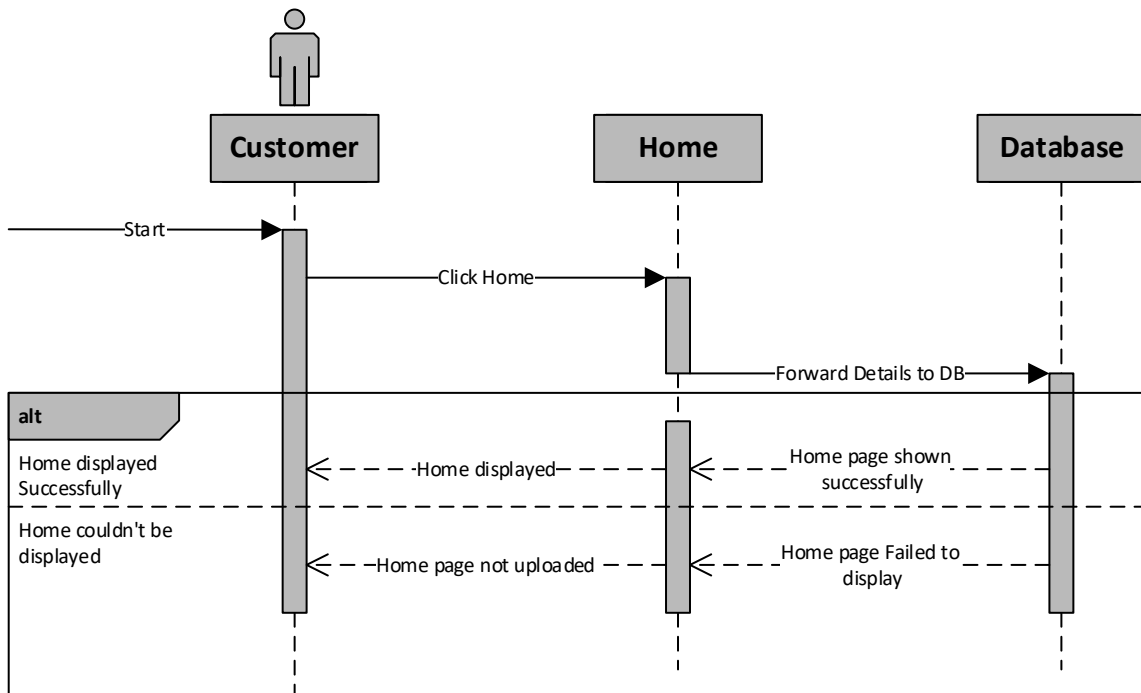
## SIGN IN



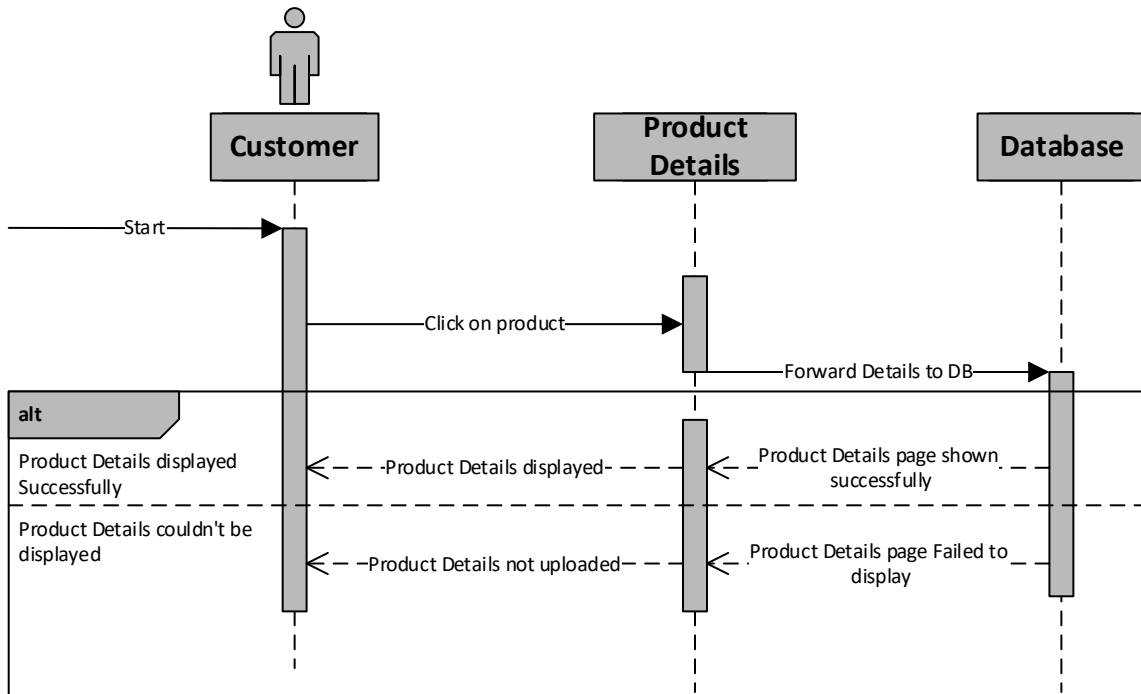
## SIGN UP



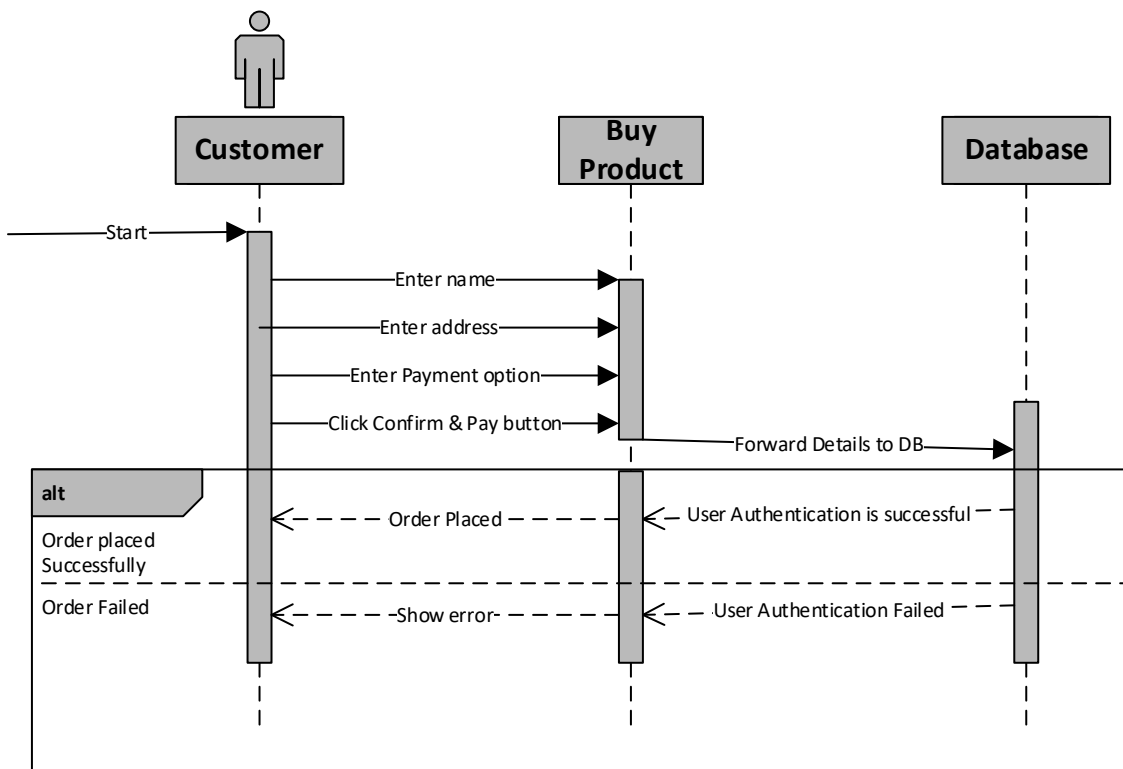
## HOME PAGE



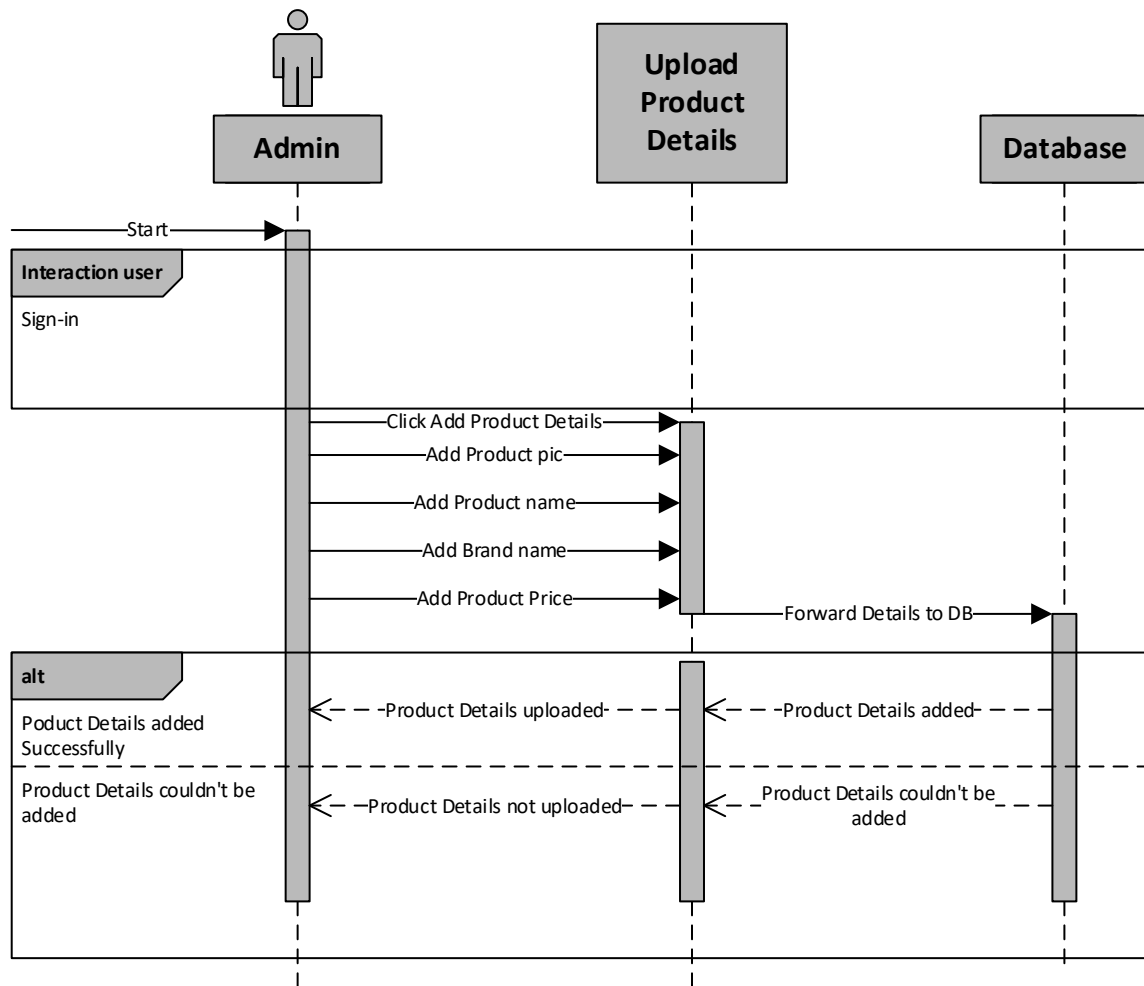
## PRODUCT DETAILS



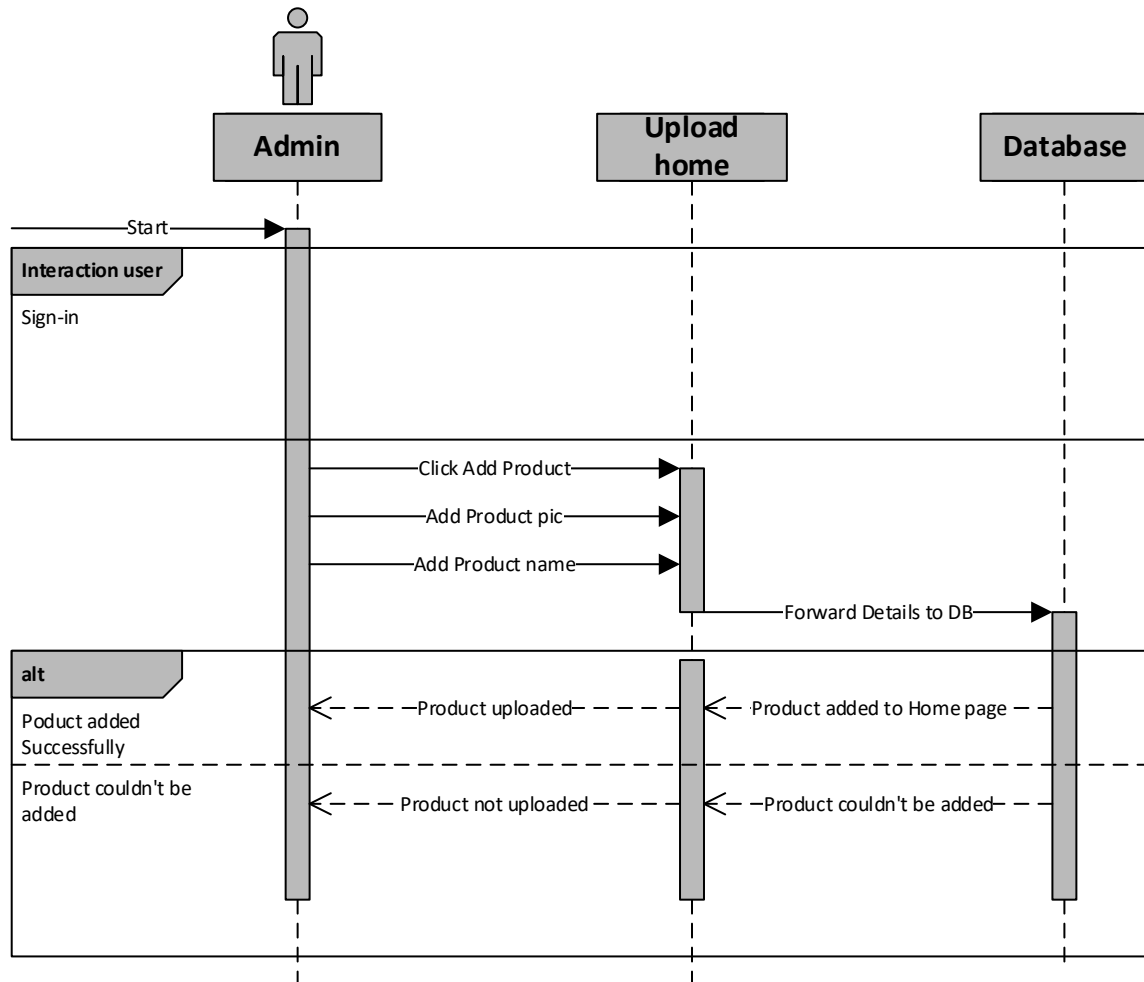
## BUY PRODCUT



# UPLOAD PRODUCT DETAILS

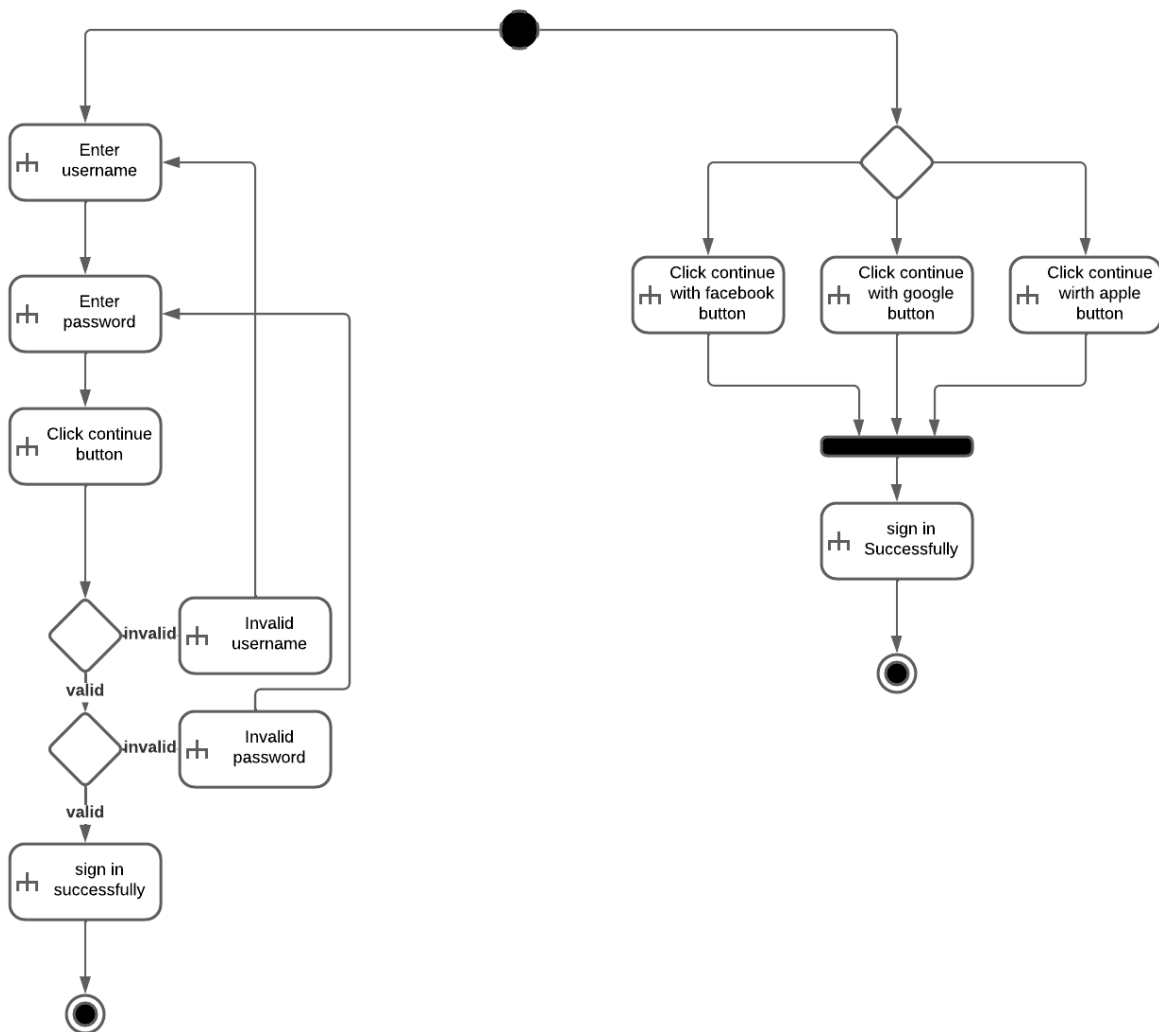


# UPLOAD HOME PAGE PRODUCTS

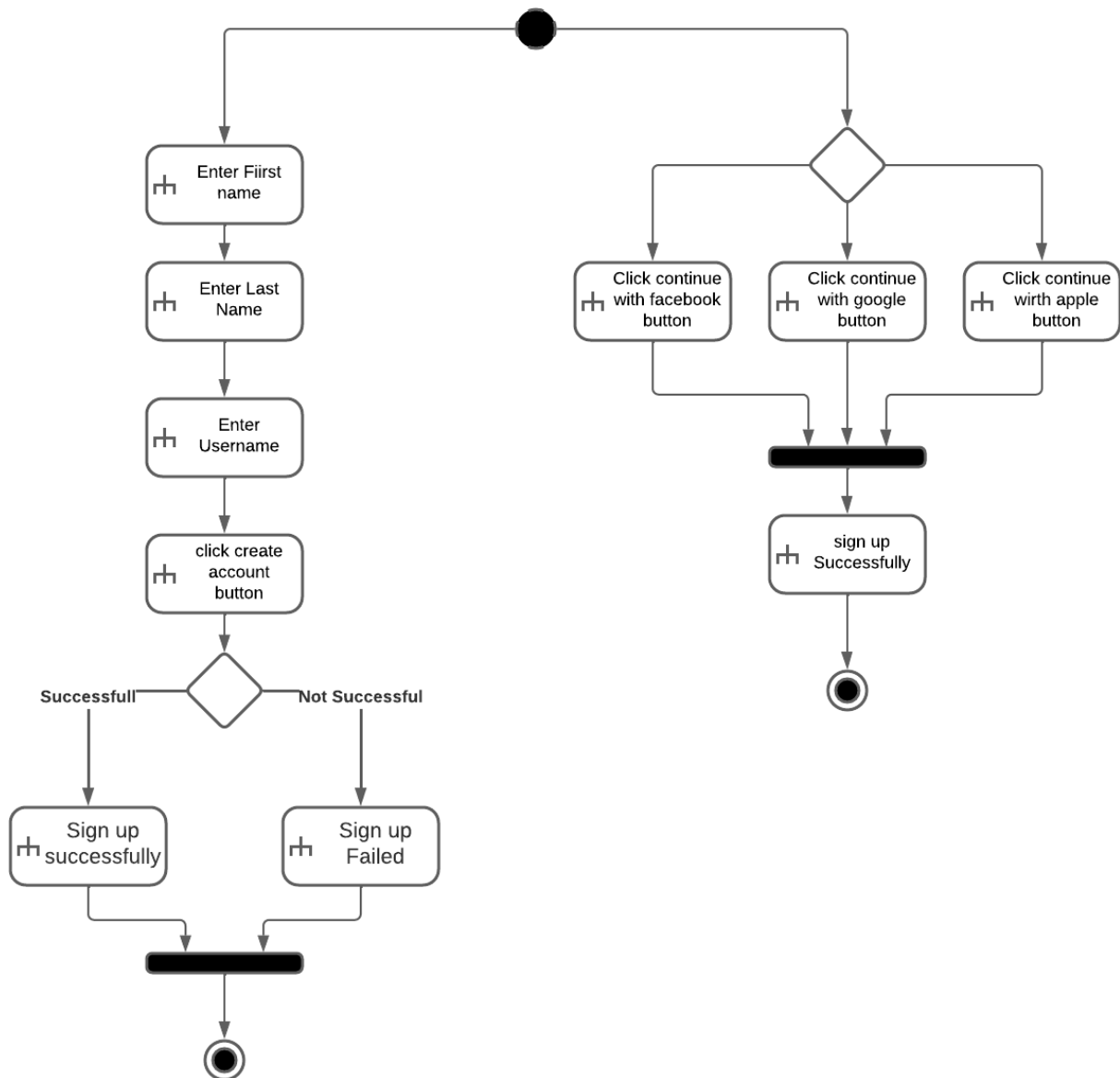


# ACTIVITY DIAGRAMS

## SIGN IN

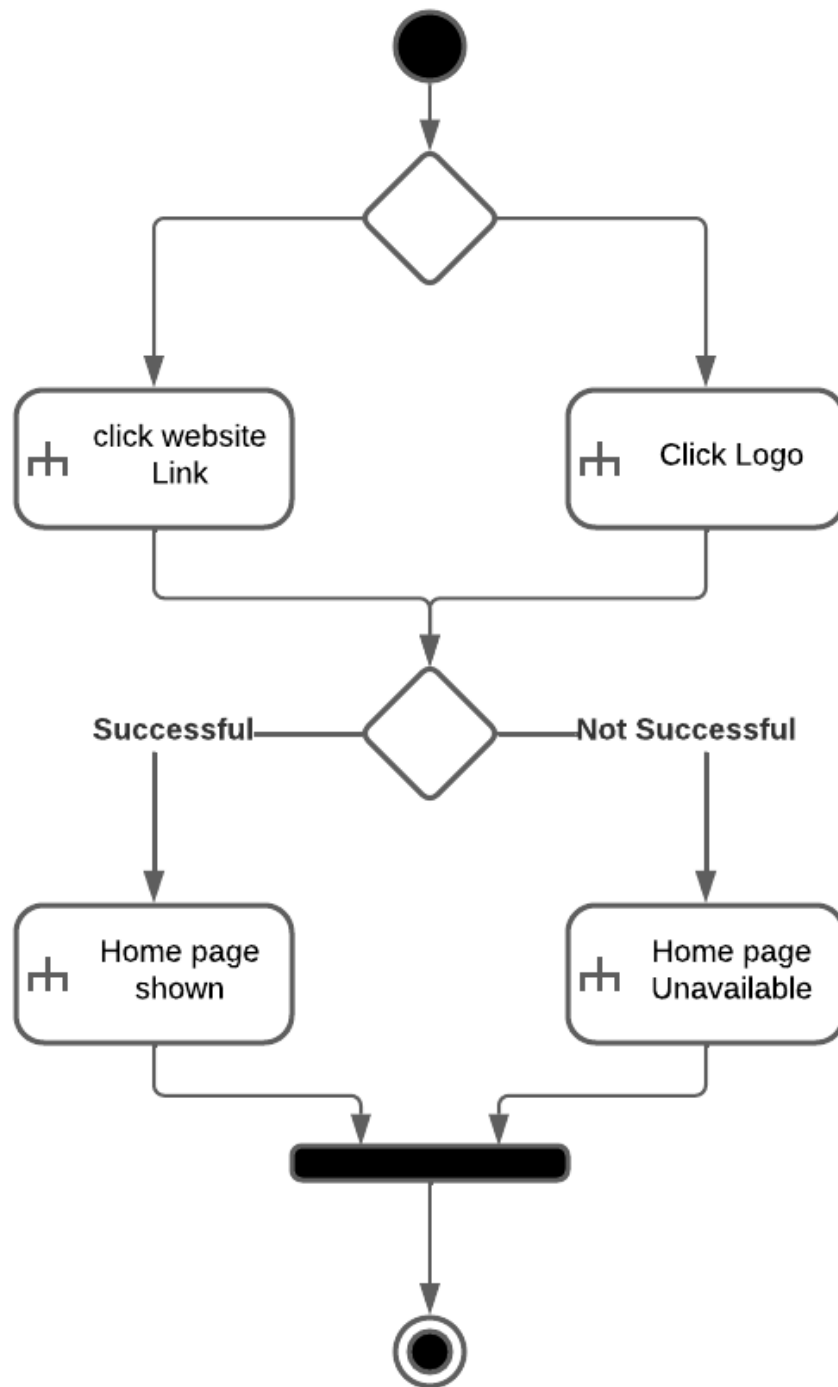


# SIGN UP

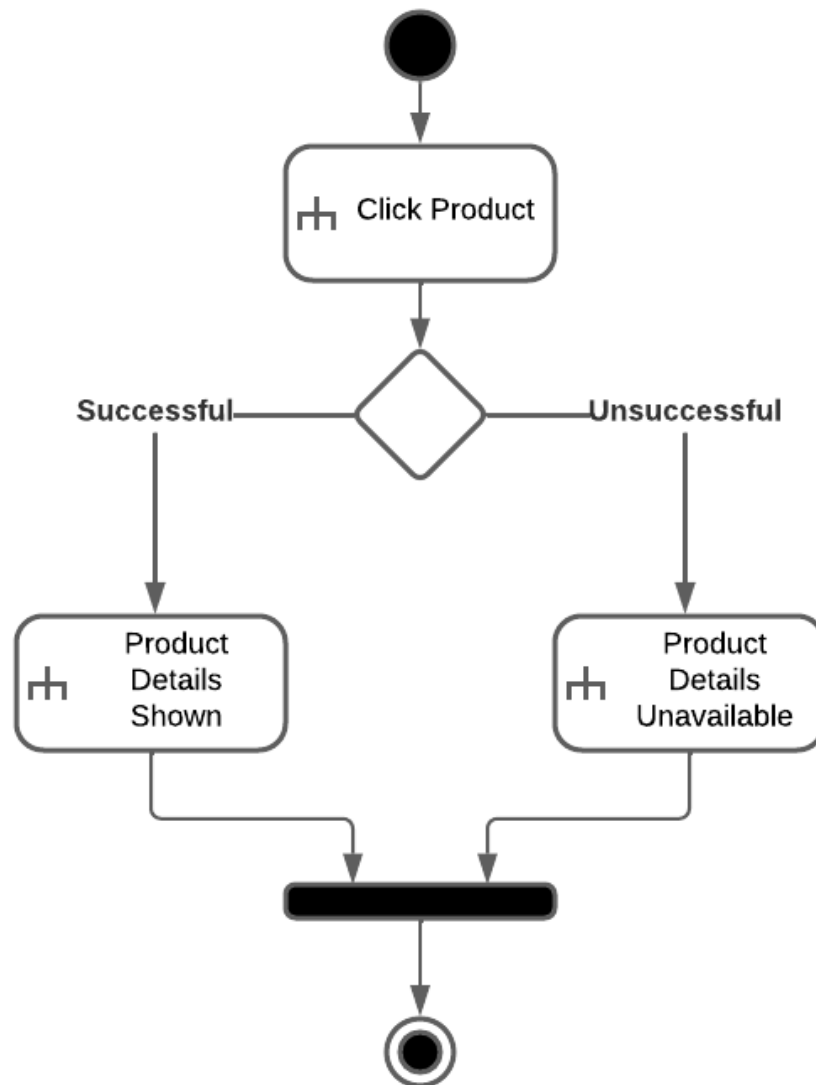




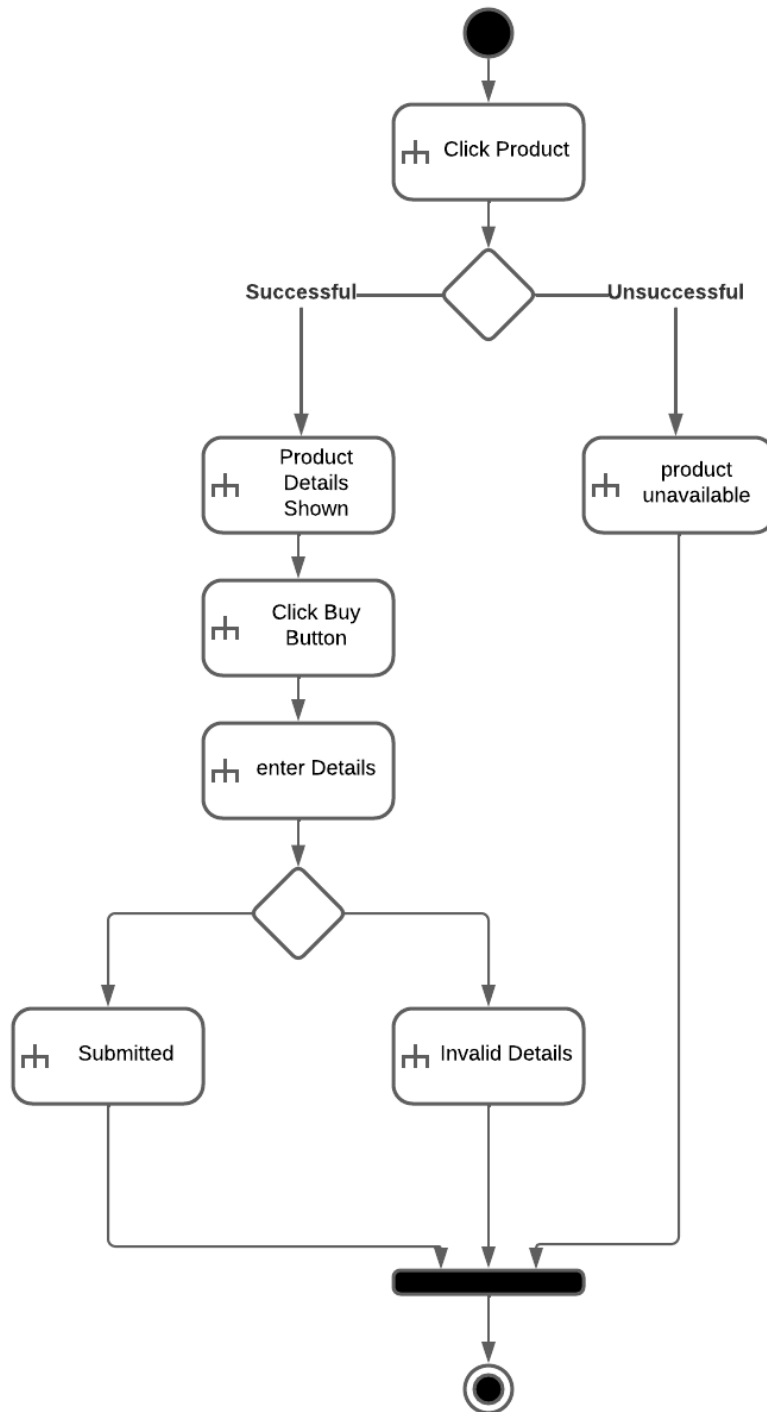
## HOME PAGE



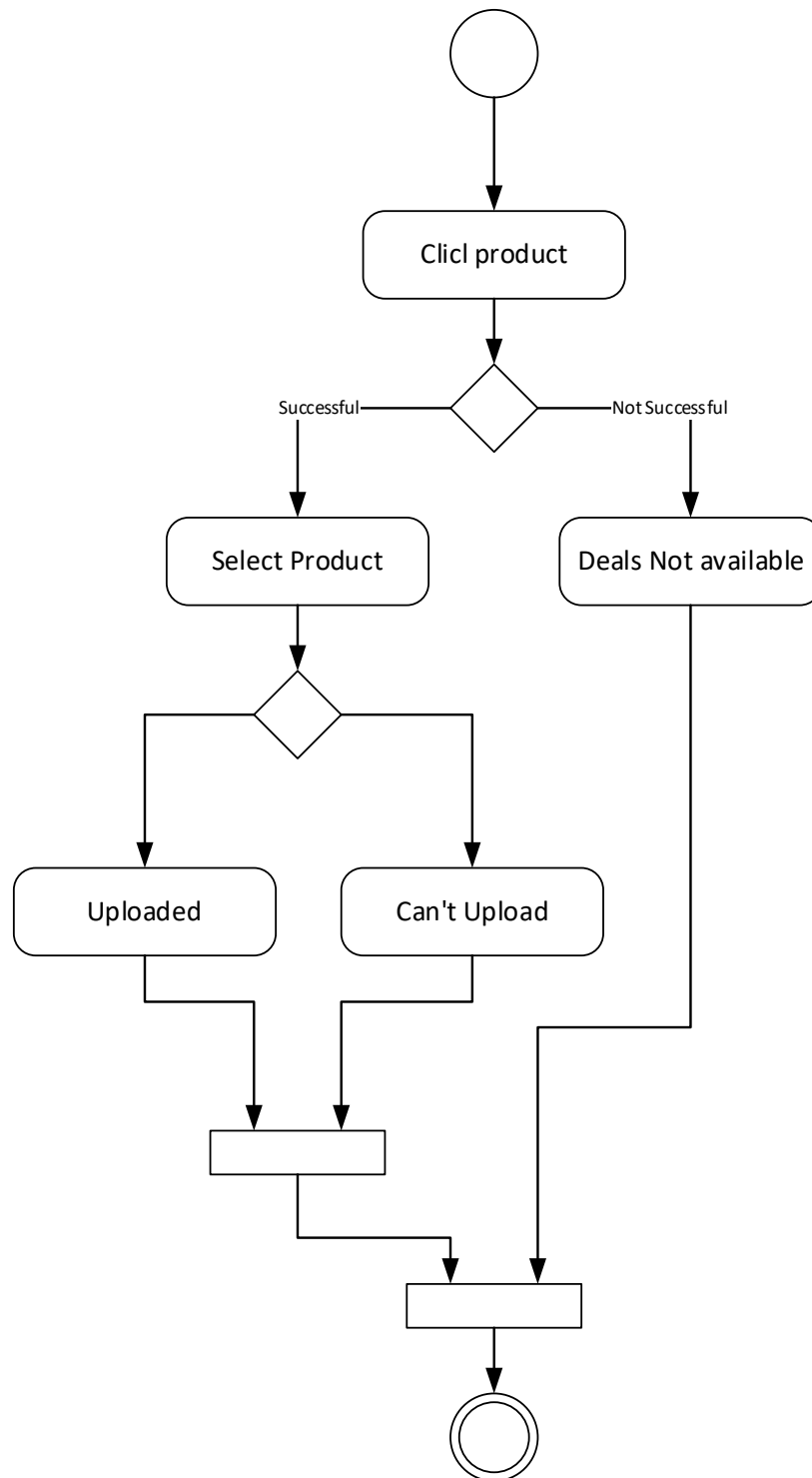
## SHOW PRODUCT DETAILS



# BUY PRODUCT

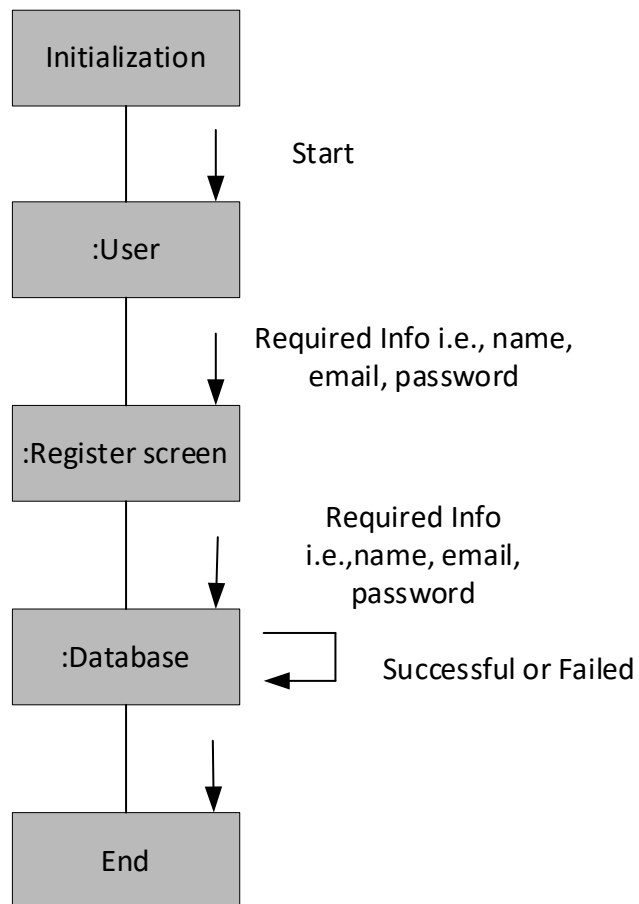


## UOLOAD PRODUCT DETAILS

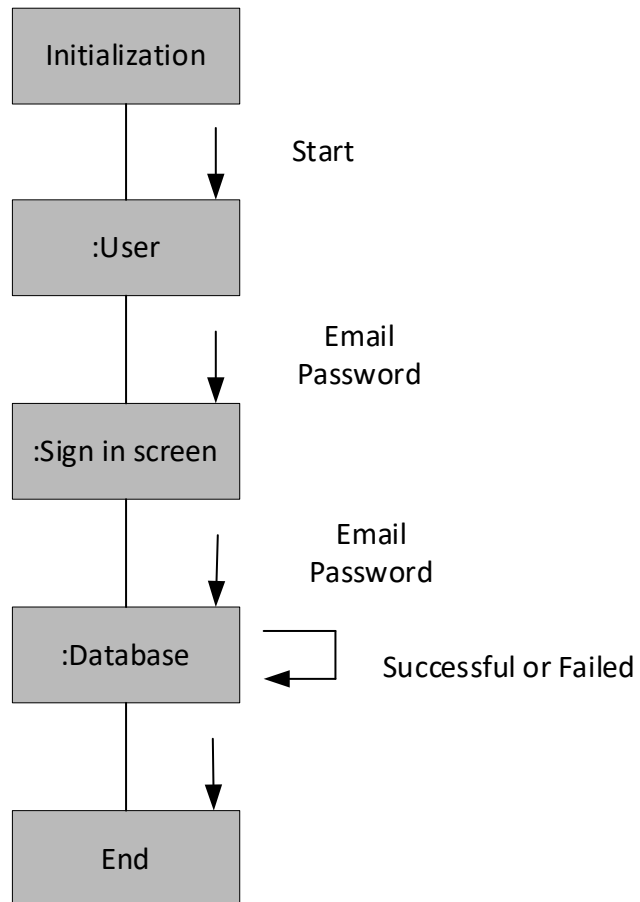


# COLLABRRATION DIAGRAMS

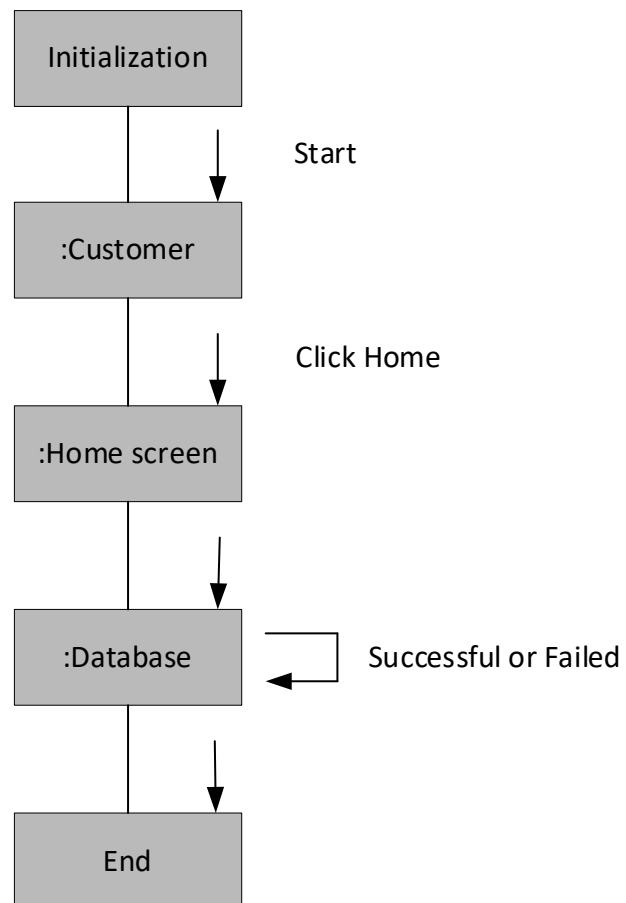
## SIGN UP



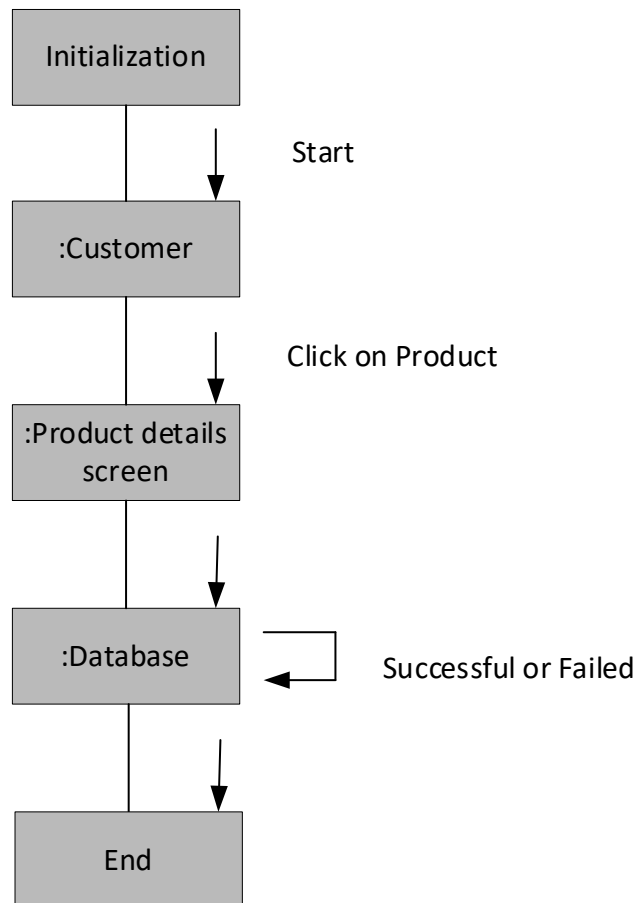
# SIGN IN



# HOME PAGE

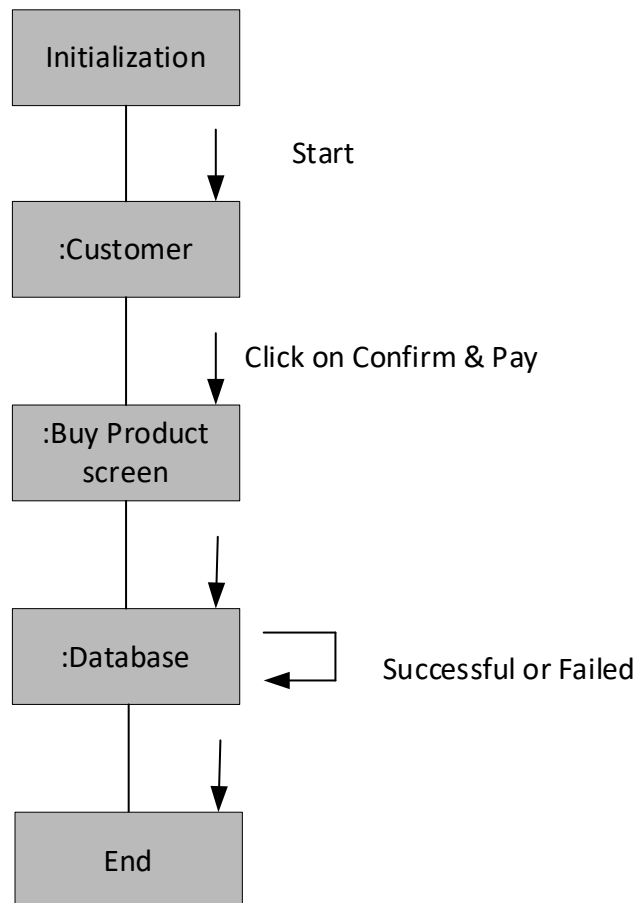


# PRODUCT DETAILS

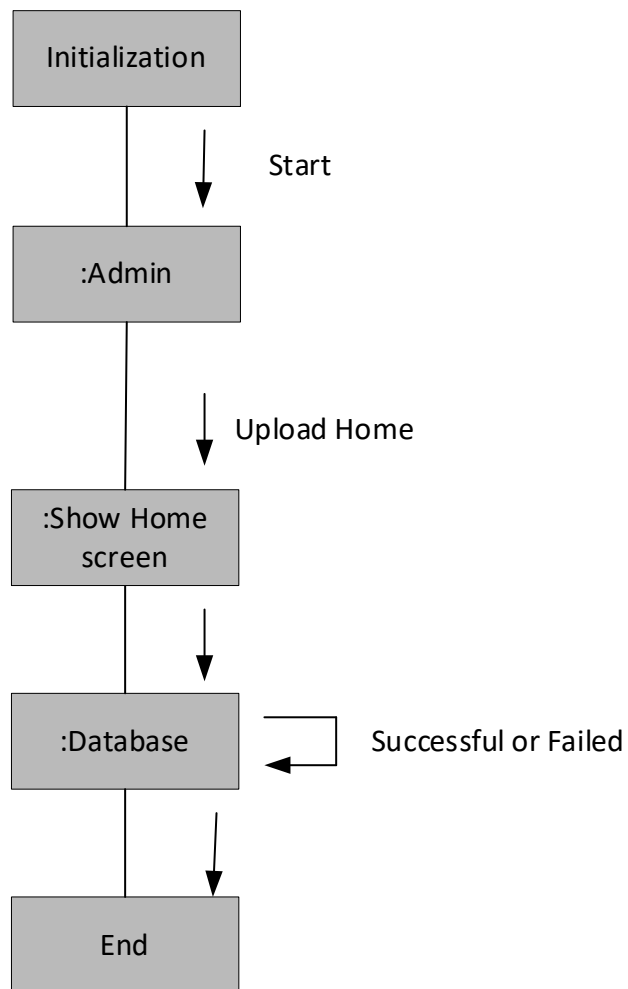




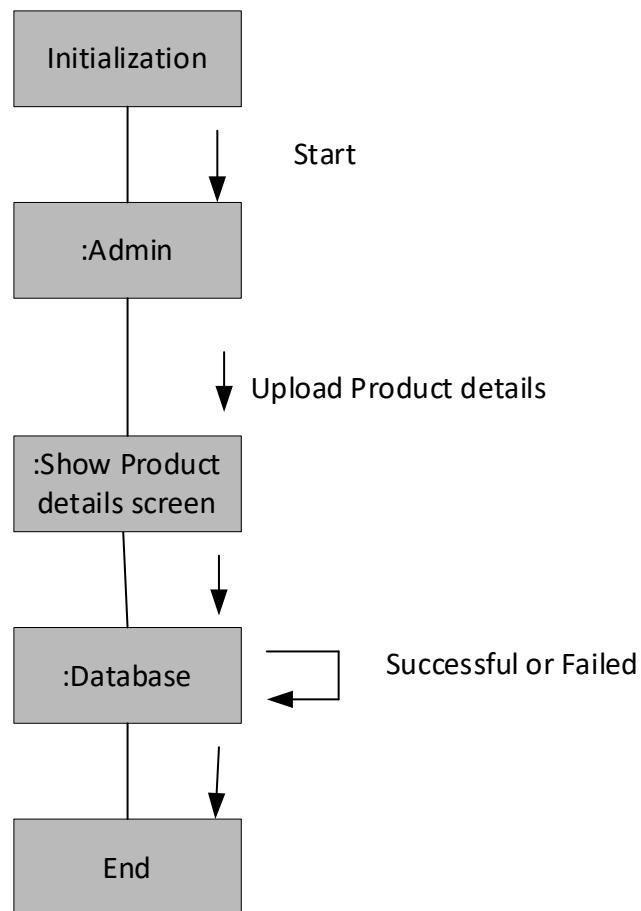
# BUY PRODUCT



# UPLOAD PRODUCT



## UPLOAD PRODUCT DETAILS



# TEST CASES

<b>Test Case ID</b>	WM_001	<b>Test Case Description</b>	Test the Sign- in page .
<b>Date Tested</b>	18-June-2022	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass

<b>S #</b>	<b>Prerequisites:</b>
1	Browse to Walmart site
2	Log in to the Website.
3	Internet availability

<b>Test Scenario</b>	Verify the Sign-In page by clicking name ,password ,email.
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<b>Step #</b>	<b>Step Details</b>	<b>Expected Results</b>	<b>Actual Results</b>	<b>Pass / Fail / Not executed / Suspended</b>
1	Navigate to <a href="http://www.walmart.com">http://www.walmart.com</a>	Site should open	As Expected	Pass
2	Enter email.	Invalid Email is entered, should fail	As Expected	Pass
3	Enter password.	Invalid password is entered	As Expected	Pass
4	Enter password.	Valid password is entered	As Expected	Pass
5	Enter email.	Valid email is entered	As Expected	Pass
6	Click the sign-in button	User is login	As Expected	Pass

<b>Test Case ID</b>	WM_002	<b>Test Case Description</b>	Test the Sign- up page.
<b>Date Tested</b>	18-June-2022	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass

<b>S #</b>	<b>Prerequisites:</b>
1	Browse to Walmart site
2	Log in to the Website.
3	Internet availability

<b>Test Scenario</b>	Verify the Sign-Up page by clicking name,password,email.
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Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Navigate to <a href="http://www.walmart.com">http://www.walmart.com</a>	Site should open	As Expected	Pass
2	Enter user name	Invalid Email is entered, should fail	As Expected	Pass
3	Enter password	Invalid password is entered	As Expected	Pass
4	Enter password	Valid password is entered	As Expected	Pass
5	Enter email	Valid email is entered	As Expected	Pass
6	Click the sign-up button	User is log out	As Expected	Pass

<b>Test Case ID</b>	WM_003	<b>Test Case Description</b>	Test the selecting department functionality
<b>Date Tested</b>	18-June-2022	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass

<b>S #</b>	<b>Prerequisites:</b>
1	Browse to walmart site.
2	Network availability.
3	Access to Home page.

<b>Test Scenario</b>	Verify by clicking on Department button, the customer can review items.
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Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Navigate to <a href="http://www.walmart.com">http://www.walmart.com</a>	Site should open	As Expected	Pass
2	Open the page.	Department page should open	As Expected	Pass

<b>Test Case ID</b>	WM_004	<b>Test Case Description</b>	Test the Electronics page Functionality
<b>Date Tested</b>	18-June-2022	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass

<b>S #</b>	<b>Prerequisites:</b>
1	Browse to Walmart site.
2	Network availability
3	Access to Home page.
4	Access to Department icons.

**Test Scenario** Verify the opening of Electronics page by clicking Department icon

<b>Step #</b>	<b>Step Details</b>	<b>Expected Results</b>	<b>Actual Results</b>	<b>Pass / Fail / Not executed / Suspended</b>
1	Navigate to <a href="http://www.walmart.com">http://www.walmart.com</a>	Site should open	As Expected	Pass
3	Open the Page	Page should be open.	As Expected	Pass

<b>Test Case ID</b>	WM_005	<b>Test Case Description</b>	Test the Furniture and Home Appliances Functionality.
<b>Date Tested</b>	18-June-2022	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass

<b>S #</b>	<b>Prerequisites:</b>
1	Browse to Walmart site.
2	Network availability
3	Access to Home page.
4	Access to Department icons.

**Test Scenario** Verify the opening of Electronics page by clicking Department icon

<b>Step #</b>	<b>Step Details</b>	<b>Expected Results</b>	<b>Actual Results</b>	<b>Pass / Fail / Not executed / Suspended</b>
1	Navigate to <a href="http://www.walmart.com">http://www.walmart.com</a>	Site should open	As Expected	Pass
3	Open the Page	Page should be open.	As Expected	Pass



<b>Test Case ID</b>	WM_006	<b>Test Case Description</b>	Test the Electronics Product description page .
<b>Date Tested</b>	18-June-2022	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass

<b>S #</b>	<b>Prerequisites:</b>
1	Browse to google chrome.
2	Internet availability.
3	Open the home page.
4	Open the Electronics page.

**Test Scenario** Verify by clicking on Electronics Description page.

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Navigate to <a href="http://www.walmart.com">http://www.walmart.com</a>	Site should open	As Expected	Pass
2	Open the page.	Webpage should open	As Expected	Pass

<b>Test Case ID</b>	WM_007	<b>Test Case Description</b>	Test the Home Furniture Product description page .
<b>Date Tested</b>	18-June-2022	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass

<b>S #</b>	<b>Prerequisites:</b>
1	Browse to google chrome.
2	Internet availability.
3	Open the home page.
4	Open the Electronics page.

**Test Scenario** Verify by clicking on Home Furniture Description page.

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Navigate to <a href="http://www.walmart.com">http://www.walmart.com</a>	Site should open	As Expected	Pass
2	Open the page.	Webpage should open	As Expected	Pass

<b>Test Case ID</b>	WM_008	<b>Test Case Description</b>	Test the verify of of getting notification Functionality.
<b>Date Tested</b>	18-June-2022	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass

<b>S #</b>	<b>Prerequisites:</b>
1	Browse to Walmart site.
2	Network availability.
3	Access to Home page.
4	Access to Department icons.

**Test Scenario** Verify the order pass by showing the notification .

<b>Step #</b>	<b>Step Details</b>	<b>Expected Results</b>	<b>Actual Results</b>	<b>Pass / Fail / Not executed / Suspended</b>
1	Navigate to <a href="http://www.walmart.com">http://www.walmart.com</a>	Site should open	As Expected	Pass
2	Showing message.	Message sholud be show.	As Expected	Pass

<b>Test Case ID</b>	WM_009	<b>Test Case Description</b>	Test the returning Functionality to home page.
<b>Date Tested</b>	18-June-2022	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass

<b>S #</b>	<b>Prerequisites:</b>
1	Browse to Walmart site.
2	Network availability
3	Access to Home page.
4	Access to Department icons.

**Test Scenario** Verify the “Back to Home Page “ button.

<b>Step #</b>	<b>Step Details</b>	<b>Expected Results</b>	<b>Actual Results</b>	<b>Pass / Fail / Not executed / Suspended</b>
1	Navigate to <a href="http://www.walmart.com">http://www.walmart.com</a>	Site should open	As Expected	Pass
2	Click the “Back to home page “ button.	Home page should be open.	As Expected	Pass