

Software Requirements Specification

Version 1.0

Mobile Store

Fresher Academy
2019
Used for internal training
Fresher Program

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1.0. Introduction

1.1. Purpose

The purpose of this document is to present a detailed description of the Mobile Store System. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate and how the system will react to external stimuli. This document is intended for both the stakeholders and the developers of the system and will be proposed to the potential clients for its approval.

1.2. Scope of Project

This software product will be the website for buyer and the manager mobile store.

1.3. Glossary

| Term | Definition |
|---------------|----------------------------------|
| Administrator | Users could login to update data |
| Customer | Users want to find and buy items |

2.0. Overall Description

2.1 System Environment

End users could be project managers, quality assurance team and other project members. There are more than 500 possible users.

TBD

2.2 Functional Requirements Specification

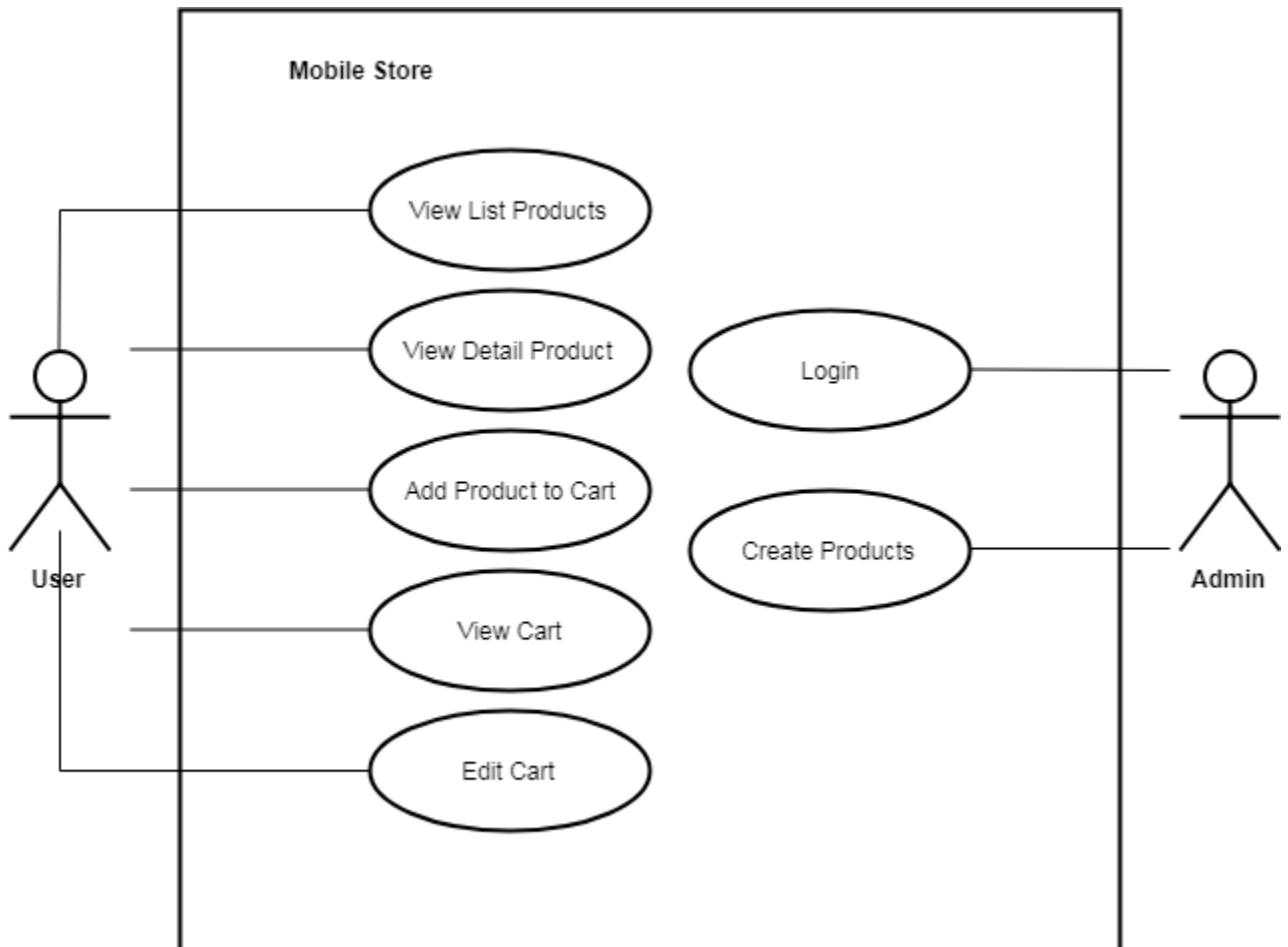


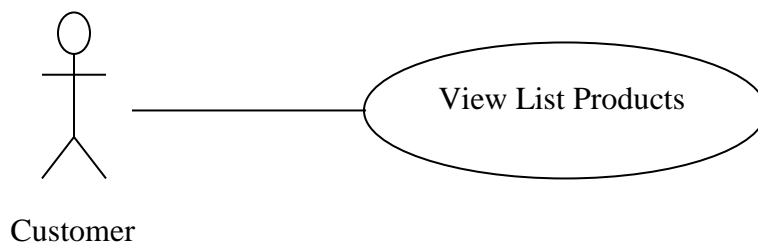
Figure 1 – Mobile Store System Use Case

This section outlines the use cases for each of the active user separately.

2.2.1 Mobile store Customer Use Case

Use case: **Customer View List Products**

Diagram:



Brief Description

The customer accesses the Mobile Store to view list products.

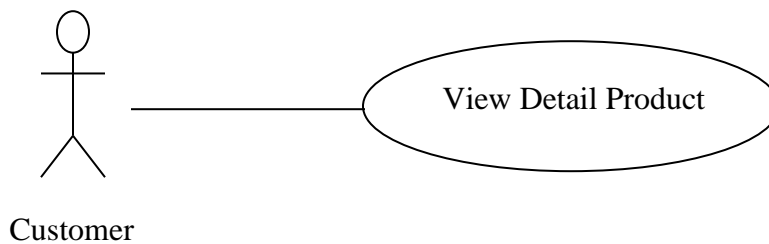
Initial Step-By-Step Description

Before this use case can be initiated, the user has already accessed the Mobile Store website with role customer.

1. The customer accesses the home page.
2. The system redirects to list all products.
3. The system allows the user to perform other activities.

Use case: Customer View Detail Product

Diagram:



Brief Description

The customer accesses the Mobile Store to view detail product.

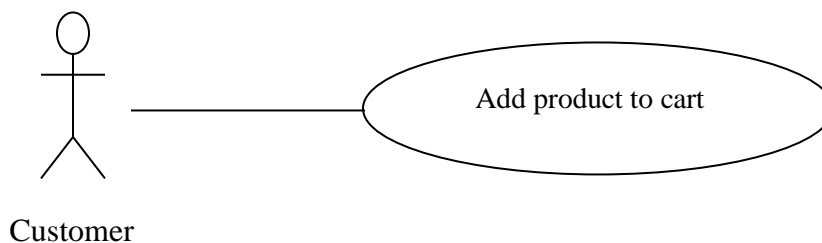
Initial Step-By-Step Description

Before this use case can be initiated, the user has already accessed the Mobile Store website with role customer.

1. The customer accesses the home page.
2. The system redirects to list all products.
3. The customer selects product.
4. The system redirects to product detail page.
5. The system allows the user to perform other activities.

Use case: Customer Add product to cart

Diagram:



Brief Description

The customer accesses the Mobile Store to add product to cart.

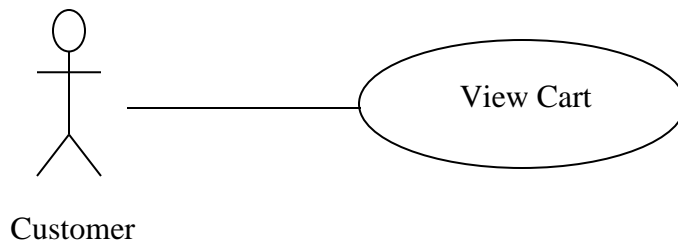
Initial Step-By-Step Description

Before this use case can be initiated, the user has already accessed the Mobile Store website with role customer.

1. The customer accesses the Mobile Store.
2. The customer clicks button order now on each product (list all products page or detail product page).
3. The system adds selected product to cart.
4. The system allows the user to perform other activities.

Use case: **Customer View cart**

Diagram:



Brief Description

The customer accesses the Mobile Store to transfer money to view cart

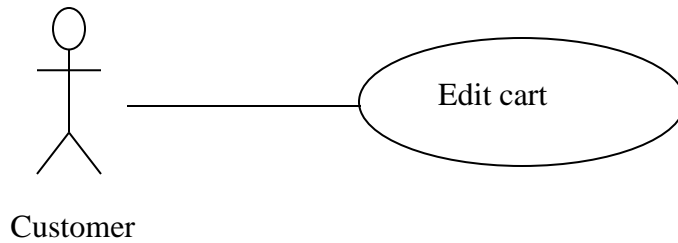
Initial Step-By-Step Description

Before this use case can be initiated, the user has already accessed the Mobile Store website with role customer.

1. The customer accesses the home page.
2. The system redirects to list all products.
3. The customer clicks view cart on top right.
4. The system redirects to cart page.
5. The system allows the user to perform other activities.

Use case: **Customer Edit cart**

Diagram:



Brief Description

The customer accesses the Mobile Store to edit cart.

Initial Step-By-Step Description

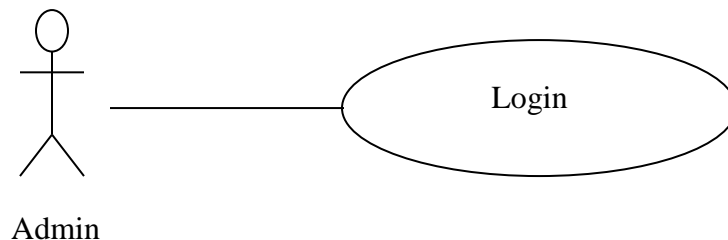
Before this use case can be initiated, the user has already accessed the Mobile Store website with role customer.

1. The customer accesses the home page.
2. The system redirects to list all products.
3. The customer clicks view cart on top right.
4. The system redirects to cart page.
5. The system shows all selected products.
6. The customer can removes each cart item or clears all cart.
7. The system allows the user to perform other activities.

2.2.2 Mobile Store Admin Use Case

Use case: **Admin login**

Diagram:



Brief Description

The admin accesses the Mobile Store to login.

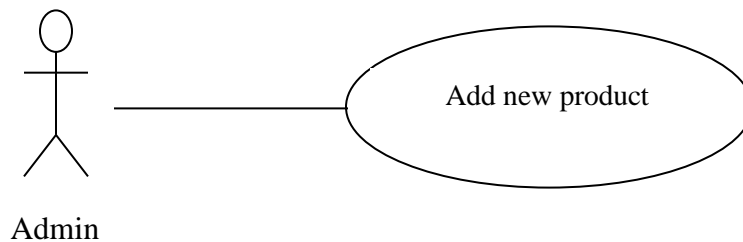
Initial Step-By-Step Description

Before this use case can be initiated, the user has already accessed the login page on Mobile Store website.

1. The admin accesses the login page.
2. The admin fills username/password.
3. The system validates input and response error message if error happened.
4. The system redirect to add product page if correct username/password.
5. The system allows the user to perform other activities.

Use case: **Admin add new product**

Diagram:



Brief Description

The admin accesses the Mobile Store to add new product.

Initial Step-By-Step Description

Before this use case can be initiated, the user has already accessed the Mobile Store website with role admin.

1. The admin accesses to add product page.
2. The admin fills new product information and click add product.
3. The system insert new product to database and clear form.
4. The system allows the admin to perform other activities.

2.3 User Characteristics

TBD

2.4 Non-Functional Requirements

TBD

3.0. Requirements Specification

3.1 External Interface Requirements

TBD

3.2 Functional Requirements

The Logical Structure of the Data is contained in Section 3.3.1.

3.2.1 Customer View List Product

| | |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Use Case Name | Customer View List Product |
| XRef | Section 2.2.1, Customer View List Product |
| Trigger | The user accesses the Mobile Store website |
| Precondition | None |
| Basic Path | 1. The customer accesses the home page. 2. The system redirects to list all products. 3. The system allows the user to perform other activities. |
| Alternative Paths | None |
| Postcondition | None |
| Exception Paths | None |
| Other | None |

3.2.2 Customer View Detail Product

| | |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Use Case Name | Customer View Detail Product |
| XRef | Section 2.2.1, Customer View Detail Product |
| Trigger | The user accesses the Mobile Store website |
| Precondition | The customer selects a product to view detail. |
| Basic Path | 1. The customer accesses the home page. 2. The system redirects to list all products. 3. The customer selects product. 4. The system redirects to product detail page. 5. The system allows the user to perform other activities. |
| Alternative Paths | None |
| Postcondition | None |
| Exception Paths | None |
| Other | None |

3.2.3 Customer Add product to cart

| | |
|----------------------|---------------------------------------------|
| Use Case Name | Customer Add product to cart |
| XRef | Section 2.2.1, Customer Add product to cart |
| Trigger | The user accesses the Mobile Store website |
| Precondition | The system exist product |
| Basic Path | 1. The customer accesses the Mobile Store. |

| | |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 2. The customer clicks button order now on each product (list all products page or detail product page). 3. The system adds selected product to cart. 4. The system allows the user to perform other activities. |
| Alternative Paths | None |
| Postcondition | The system shows success message |
| Exception Paths | None |
| Other | None |

3.2.4 Customer View cart

| | |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Use Case Name | Customer View cart |
| XRef | Section 2.2.1, Customer View cart |
| Trigger | The user accesses the Mobile Store website |
| Precondition | None |
| Basic Path | 1. The customer accesses the home page. 2. The system redirects to list all products. 3. The customer clicks view cart on top right. 4. The system redirects to cart page. 5. The system allows the user to perform other activities. |
| Alternative Paths | None |
| Postcondition | None |
| Exception Paths | None |
| Other | None |

3.2.5 Customer Edit cart

| | |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Use Case Name | Customer Edit cart |
| XRef | Section 2.2.1, Customer Edit cart |
| Trigger | The user accesses the Mobile Store website |
| Precondition | Exist products on cart |
| Basic Path | 1. The customer accesses the home page. 2. The system redirects to list all products. 3. The customer clicks view cart on top right. 4. The system redirects to cart page. 5. The system shows all selected products. 6. The customer can removes each cart item or clears all cart. 7. The system allows the user to perform other activities |
| Alternative Paths | None |
| Postcondition | None |
| Exception Paths | None |
| Other | None |

3.2.6 Admin login

| | |
|----------------------|----------------------------|
| Use Case Name | Admin login |
| XRef | Section 2.2.1, Admin login |

| | |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Trigger | The user accesses the login page of Mobile Store website |
| Precondition | The login form display |
| Basic Path | <ol style="list-style-type: none"> 1. The admin accesses the login page. 2. The admin fills username/password. 3. The system validates input and response error message if error happened. 4. The system redirect to add product page if correct username/password. 5. The system allows the user to perform other activities. |
| Alternative Paths | None |
| Postcondition | None |
| Exception Paths | None |
| Other | None |

3.2.7 Admin add new product

| | |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Use Case Name | Admin add new product |
| XRef | Section 2.2.2, Admin add new product |
| Trigger | The admin accesses the Mobile Store website |
| Precondition | None |
| Basic Path | <ol style="list-style-type: none"> 1. The admin accesses to add product page. 2. The admin fills new product information and click add product. 3. The system insert new product to database and clear form. 4. The system allows the admin to perform other activities. |
| Alternative Paths | None |
| Postcondition | None |
| Exception Paths | None |
| Other | None |

3.3 Detailed Non-Functional Requirements

3.3.1 Logical Structure of the Data

The logical structure of the data to be stored on the system is given below:

Figure 2 - Logical Structure of the Mobile Store

3.3.2 Security

TBD

3.3.3 Performance

TBD