1**. INTRODUCTION:**

In today's busy world, a person don't have time for their personal needs. And the

technology and the digitized world is so fast that anyone can do anything by just sitting

in a room and they are just one click far from any things. So everything is computerized

and online ranging from banking to advertisement to shopping. So we are trying to help

people by developing and providing the online shopping portal. This project is made

using spring and hibernate. Loot Bazar is the easiest way for shopping where you can

compare and select the products from your computer anytime. You can save them to cart

and whenever you like, you can checkout. The objective of this project is to develop a

general purpose online shopping store where any product (such as books, CDs,

computers, mobile phones, electronic items, and home appliances) can be bought from

the comfort of home through the Internet.

**1.1 PURPOSE:**

An online store is a virtual store on the Internet where customers can browse the catalog

and select products of interest. The selected items may be collected in a shopping cart.

At checkout time, the items in the shopping cart will be presented as an order. At that

time, more information will be needed to complete the transaction. Usually, the

customer will be asked to fill or select a billing address, a shipping address and is

presented a bill. The main purpose are:

- Multiple choices

- Time saving

- Less expensive products

- Easy comparison

- Available anytime

- Easy user Interface

**2. Requirements- Use-Case -Usage Scenarios**

There are two main actors in our project as Admin and the customer. The general

use case diagram is shown below:



2.1Use Case Description

Use Case # 1: *Registration*

|  |  |
| --- | --- |
| **GENERAL CHARACTERISTICS** | |
| **Primary Actor** | New user |
| **Description** | New user sign up |
| **Preconditions** | Any one can register |
| **Trigger** | New user clicks on sign up button |
| **Success Post Condition** | User saved in database |
| **Failed Post Condition** | Error message displayed |

Use Case # 2: *Login*

|  |  |
| --- | --- |
| **GENERAL CHARACTERISTICS** | |
| **Primary Actor** | Admin/user |
| **Description** | Admin has authority for  CRUD operation of  product/category/ User has  authority to add item to cart |
| **Preconditions** | User must be registered |
| **Trigger** | Actor clicks on log in button |
| **Success Post Condition** | User authenticated for further  operations |
| **Failed Post Condition** | Error message displayed |

Use Case # 3: *Add Category/ Product*

|  |  |
| --- | --- |
| **GENERAL CHARACTERISTICS** | |
| **Primary Actor** | Admin |
| **Description** | Admin has authority for CRUD operation of  product/category |
| **Preconditions** | User must logged in as admin |
| **Trigger** | The Admin user selects add  category/product from the  menu bar |
| **Success Post Condition** | The new category/product is saved  into the database |
| **Failed Post Condition** | The add category/product page  with the error messages is  displayed |

Use Case # 4: *Edit Category/product*

|  |  |
| --- | --- |
| **GENERAL CHARACTERISTICS** | |
| **Primary Actor** | Admin |
| **Description** | Admin has authority for  CRUD operation of  product/category |
| **Preconditions** | User must logged in as admin |
| **Trigger** | The Admin user selects edit  category/product from the  menu bar |
| **Success Post Condition** | The updated category/product is  saved into the database |
| **Failed Post Condition** | The edit category/product page  with the error messages is  displayed |

Use Case # 5: *Add Product to Cart*

|  |  |
| --- | --- |
| **GENERAL CHARACTERISTICS** | |
| **Primary Actor** | User |
| **Description** | The user can select the product  from the list and add it to the cart  for checkout |
| **Preconditions** | User must logged in as user |
| **Trigger** | User clicks on Add to Cart  Button |
| **Success Post Condition** | Successful message is popped up  and product is added in cart |
| **Failed Post Condition** | Error page displayed |

Use Case # 6: *Checkout*

|  |  |
| --- | --- |
| **GENERAL CHARACTERISTICS** | |
| **Primary Actor** | User |
| **Description** | Product in cart is checkout. |
| **Preconditions** | User must logged in as user |
| **Trigger** | User clicks on check out Button |
| **Success Post Condition** | Successful message is popped up  and billing is shown |
| **Failed Post Condition** | Error page displayed |