

Online Shopping(E-Commerce Platform)

Group 14 Members

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ABSTRACT

The E-commerce platform aims to develop a user friendly online retail website which is interactive and ease to use. This contains a registration window which enables users to register and then shop.

Initially it has a login page where users can login with their unique user id's and passwords which were created during registration. The products are listed according to their prices or some other criteria. The user can then view the specification of each product, it would make viewing and selection of products easier.

After the purchase an invoice which contain user's name is generated by the system automatically. In order to develop this platform we need programming and relational database knowledge.

The development of this application is carried out on Eclipse IDE using the Java Web programming language. We use mainly Java Swing in developing this ecommerce web applications

Functional Requirements of the System

List the functional requirements of your system here.

1. User need to register with the system before using the application.
2. User want to login to the system to access his/her main page.
3. User can view personal details and make a purchase from available items.
4. After a Successful purchase User gets the invoice of the purchase.
5. The system update the availability of the items from vendors accordingly.

Use cases

Perform requirement analysis of your system and list valid use cases here.

1. Register
2. Login
3. Authentication
4. Add to Cart
5. Make purchase
6. Invoice
7. Exit

Actors:

Small description of actors:

1. User: user is person to perform authentication and it had been divided into two main divisions to perform tasks
2. Admin: The admin has a special role to access the system features, functions and data. another important role of admin is to add or delete employee.

Use Case Description

Login:-

Use case ID	Login
Brief description	The user can get access to the system using username and password.
Primary actors	System user
Precondition	User must register with the system and should have a valid login credentials.
Post condition	Already not a registered user, register with the system or perform purchases if login attempt was successful.
Main success Scenario	If valid user, then display welcome message and give access to his/her account else return error message.

Actor Action	System Response
1. The user enters login credentials and clicks on login button.	2. Performs validation of login credentials. If valid user, provides access.
3. The user get access into the account main page.	
Alternate flow	
	2a. If not a valid user, system returns error message.

Authentication

Use case ID	Authentication
Brief description	The user can get access to the system using username and password.
Primary actors	user
Precondition	User already contains the required credentials to authenticate
Post condition	If the credentials are correct, they can get access
Main success Scenario	Authorization success
Actor Action	System response
1. The user enters login credentials and clicks on login button.	2. Performs validation of login credentials. If valid user, provides access.
3. after authentication they can go to further process	

Alternate flow	2a. If not a valid admin, cannot go through further process
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Updating

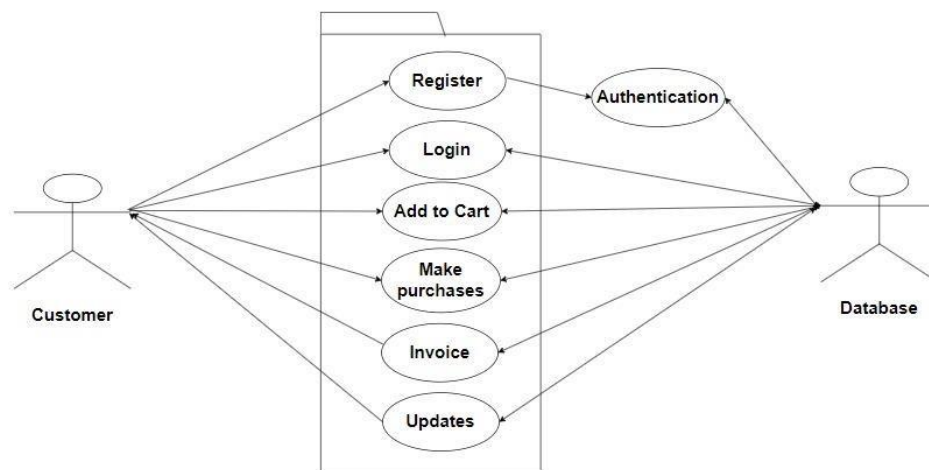
Use case ID	update
Brief description	Updates perform some valid changes in database
Primary actors	Admin
Precondition	The information must already be stored
Post condition	The admin updates the database accordingly
Main success Scenario	The changes will be done in database
Actor Action	System Response
1. after getting access employee can update the database	2. click on update
3.and perform work	4.comes out from update page
Alternate flow	if any fields are entered incorrectly. The update will not work

Adding / Deleting data

Use case ID	Delete or modify any data
Brief description	Only admin can delete data
Primary actors	Admin
Precondition	The data must already be present.
Post condition	Admin add or deletes data into database
Main success Scenario	Admin can perform any changes regarding data
Actor Action	System Response
1. admin check the information about data	2. then perform required the changes .

Signing off:

Use case ID	logout
Brief description	After performing certain works user can logout
Primary actors	user
Precondition	User already completed work
Post condition	User can exit
Main success Scenario	Logout success
Actor Action	System Response
1. the user perform all the modifications	2. exit the system

Use case Diagram

A user case diagram depicts the various actions done by users.


User Interface Design

A simple and brief user interface diagram....


Welcome panel:

New User? Sign up.


Login to continue.



Username



Password



LOGIN

Forget Password?

Login with:

Registration Page.

First name : _____

Last Name : _____

User Name : _____

Email : _____


Phone no : _____

Create Password : _____

Confirm Password : _____

Add Address : _____

Create Account

Profile
HOME
Name


Profile Details >

Cart >

Settings >

+help >

LOG OUT









Tommy slim fit ₹...  Add to bag
USPA Regular fit ₹...  Add to bag




Wrogn checked ₹...  Add to Bag
Allen casual ₹...  Add to Bag




Orders 

- □ X

Invoice :

User Name : _____

List of items

S.No	Product
—	—
—	—
—	—

Total Price : _____

Payment Method : _____

Address : _____

1. New User
2. Admin
3. Customer
4. Products
5. Cart
6. Order Details
7. Payment

1. New User:-

This class handles all user actions. It includes the private methods to verify the login of the user. It returns true if the login is successful, false if it is not.

2. Admin:-

It has a functions create Product() are called when the administrator has to create/add a new product respectively. Similarly, delete Product() when deleting a product respectively. For these delete operations to be valid there should be atleast one product already exist. Also, the edit Details() method enables administrator to edit and update the product details.

3. Customer:-

This class handles the customer actions. It inherits all the User class responsibilities and its functions. The edit Profile() method is called when customer wants to edit, update and save his/her personal information on the website for future use. . Also, the search() function is called when customer searches for some product and enters some Key-Words in the text-box

4. Products:-

This class represents collection of products.

The display Product() method is used to retrieve image of the product and get Product Details() method retrieves its details as a data set whenever a customer clicks on the product. A product can belong to one or more departments and/or categories.

5. Cart:-

Cart class has all the products that are added by a customer to buy. The add Item() and delete Item() methods are called when customer performs actions like "Add to Cart" and "Delete" of products on the Shopping Cart. The update quantity() method is called when Customer clicks "Update" button on Shopping Cart to increase or decrease the number of products in the cart.

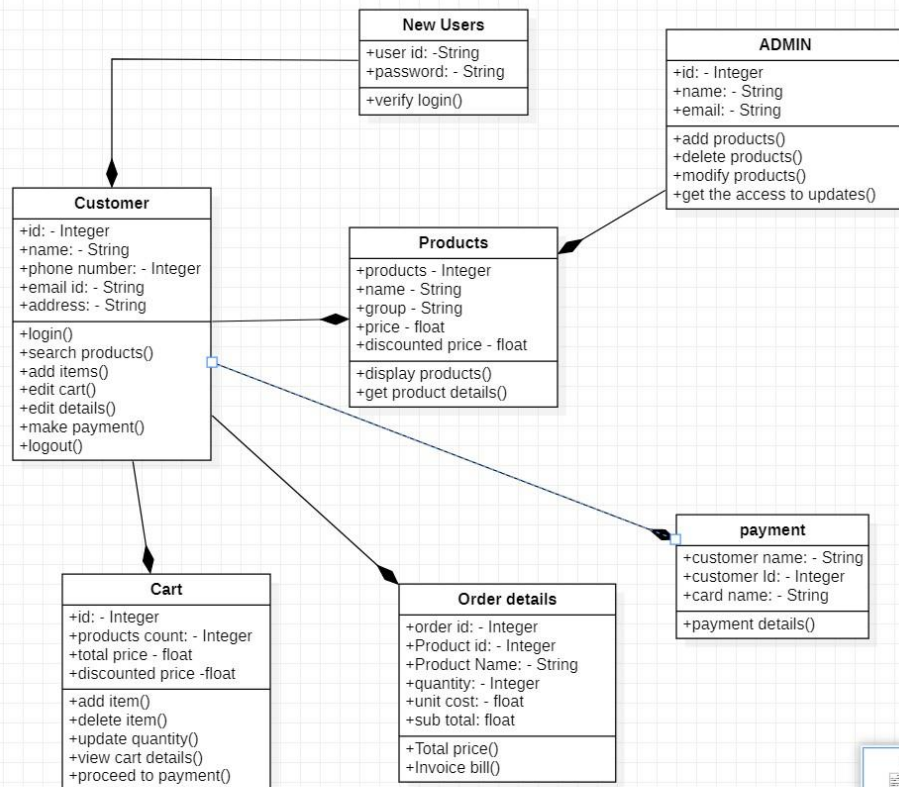
6. Order Details:-

This class will store all information regarding the orders made by each customer. This Class handles details regarding every order that the customer makes. The total Price() method is called to calculate the total amount of the order placed.

7. Payments:-

This Class handles details regarding payment for the order. The payment details() method enables the customer to select a way to their payment. After payment we get a Invoice with the details of customer, ordered products and total price.

UML Class Diagram:-



Login



Username



Password

☐ show password

Login

New User?

Registration

First Name

Last Name

Username

Password

Confirm Password

Email

Mobile No

Date of Birth

Gender

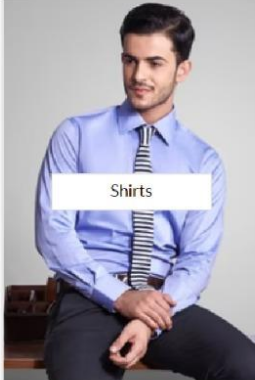
Register

Already have an account? [Sign In](#)

[Home](#)

Products

Mens



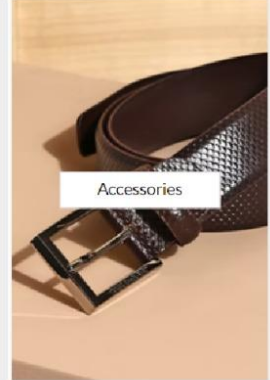
Shirts



T-Shirts



Jeans



Accessories



Home

[Products](#)

[Sign In / Sign Up](#)



Cart



Profile



BEST MEN'S
FASHION TRENDS TO TRY THIS YEAR



No Products In Cart

ADD PRODUCTS TO YOUR CART



Invoice

Profile

Delivery Addresses

Order Details

About Us

Logout

New Address

*First Name *Last Name

*Mobile No

Address Details

*House / Flat No/ Building/ Apartment

*Street/Locality

Landmark (Op)

*Pincode *City, State

ADD ADDRESS

New Address

*First Name *Last Name

*Mobile No

Address Details

*House / Flat No/ Building/ Apartment

*Street/Locality

Landmark (Op)

*Pincode *City, State

ADD ADDRESS

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