

A
PROJECT REPORT ON

E-Tohfa Online Gift Portal

SUBMITTED IN
PARTIAL FULFILLMENT OF
DIPLOMA IN ADVANCED COMPUTING (PG-DAC)



BY

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CERTIFICATE

This is to certify that the project

**E-Tohfa
Online Gift Portal**

Has been submitted by

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In partial fulfillment of the requirement for the Course of **PG Diploma in
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Date: 14-AUG-2024

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Last but not the least we thank the entire faculty and the staff members of Sunbeam Institute of Information Technology, Karad for their support.

Shilpa Sanap

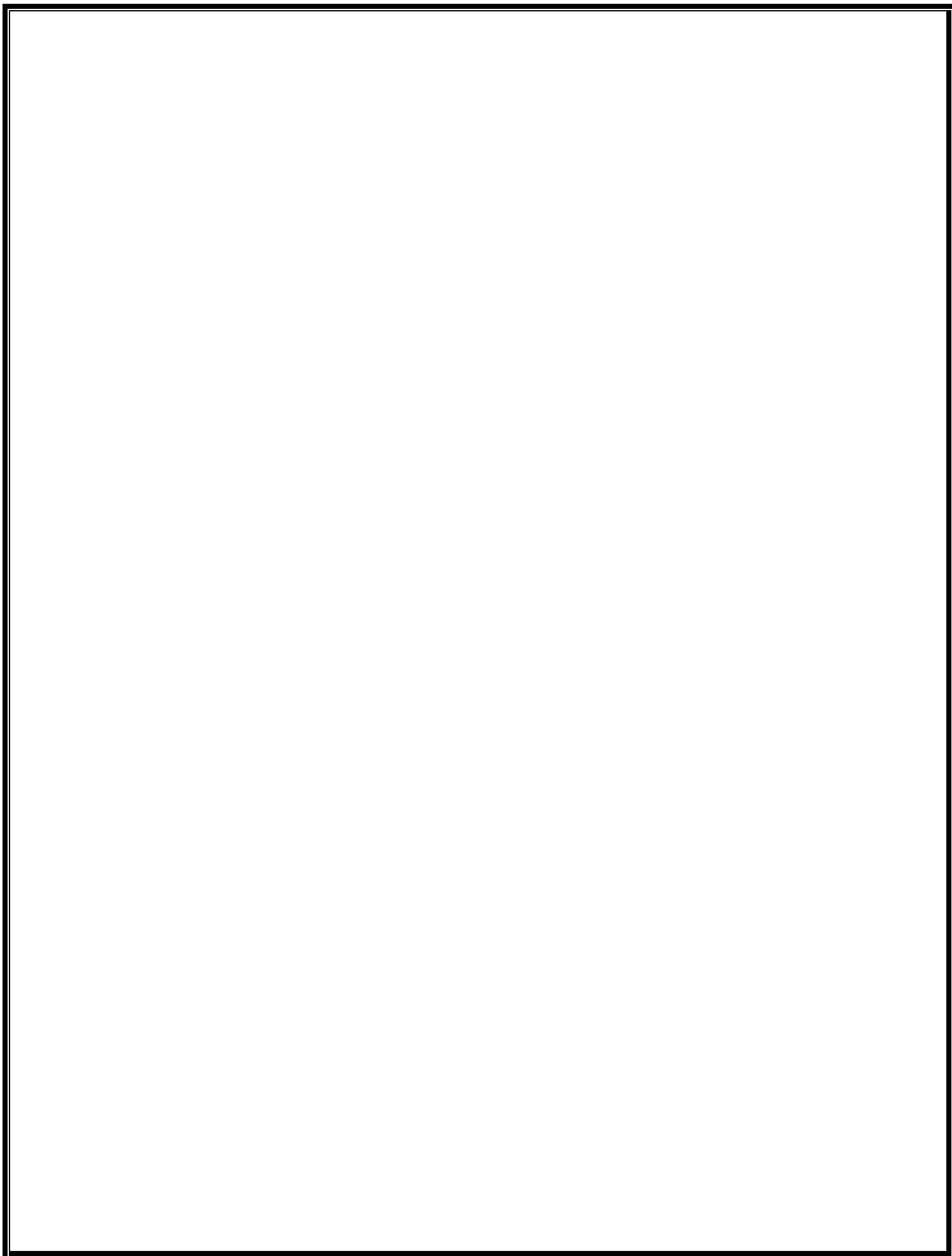
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SIIT Karad



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1. INTRODUCTION TO PROJECT

The E-tohfa Online Gift Portal is a cutting-edge e-commerce platform designed to facilitate a seamless and enjoyable experience for all users involved. Developed with Spring Boot and React JS, this multi-vendor system empowers administrators, sellers, and customers with a range of features that streamline gift shopping and management.

Administrator Capabilities:

Category Management: Admins can effortlessly create and manage product categories, ensuring a well-organized catalog of gifts for customers.

Order Oversight: Admins have comprehensive visibility into all orders across the platform, allowing them to monitor and manage the entire ecosystem efficiently.

Seller Features:

Registration and Setup: Sellers can easily register and log in to the portal, set up their accounts, and add multiple delivery persons to handle order fulfillment.

Product Listing: Sellers can list their products under the appropriate categories created by the admin. This system supports multiple sellers, each contributing a diverse range of products.

Order Management: Sellers can view and manage their orders, assign delivery persons to specific orders, and oversee the delivery process.

Customer Experience:

Product Browsing: Customers can explore a variety of gifts, filter products by category, and view detailed information about each item and its seller.

Shopping Cart and Checkout: Customers can add products to their cart, proceed with ordering, and enjoy a streamlined checkout process.

Order Tracking: After placing an order, customers can track its status in real-time, thanks to updates provided by the assigned delivery persons.

Delivery Management:

Real-Time Updates: Delivery persons can log in to update the status of deliveries at any time, ensuring that customers are kept informed about their order's progress.

The E-tohfa Online Gift Portal is designed to offer a cohesive and efficient shopping experience, combining robust management tools for admins and sellers with an intuitive interface for customers. This

platform aims to make gift-giving simple and enjoyable for everyone involved.

2.REQUIREMENTS

2.1 FUNCTIONAL REQUIREMENTS

The project has basically has four user modules

- 1) ADMINISTRATOR MODULE
- 2) SELLER MODULE
- 3) CUSTOMER MODULE
- 4) DELIVERY MODULE

1) User Authentication Module:

The registration and Login system has been added so that only authenticated users (Admin, Seller, Delivery, or Customer) can perform their functionalities. For authentication, we have used Spring Security 6 and JWT.

2) Seller Module:

Register Seller, Seller Login, View All Sellers, Delete Seller.

3) Product Category Module:

Add Category, Update Category, View All Category, Delete Category.

4) Product Module:

Add Product, Update Product, View All Products, Search Products by Category, Search Products by Seller, Search By Product Name, Delete Product.

5) Cart Module:

Add Product to Cart, View Cart, Update Cart, Delete Product from Cart.

6) Order Module:

Order Products, View Customer Orders, View Seller Orders, and View All Orders.

7) Delivery Person Module:

Register Delivery Person for Seller, View Delivery Persons, Delete Delivery Person.

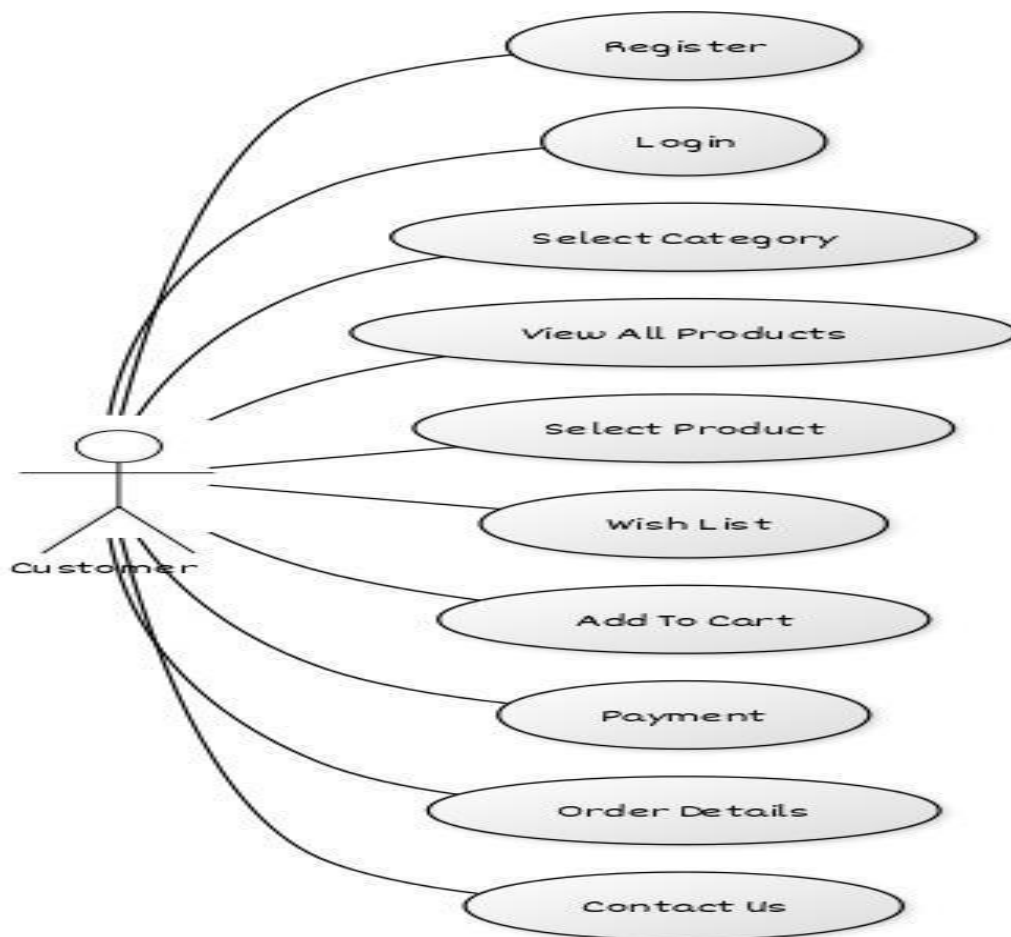
8) Order Delivery Module:

Assign Delivery to Delivery Person, View Delivery Person's Order Delivery, Update Order Delivery Status, View Updated Order Status. Send automated notifications to customers about order confirmation, shipment, and delivery.

OVERVIEW:

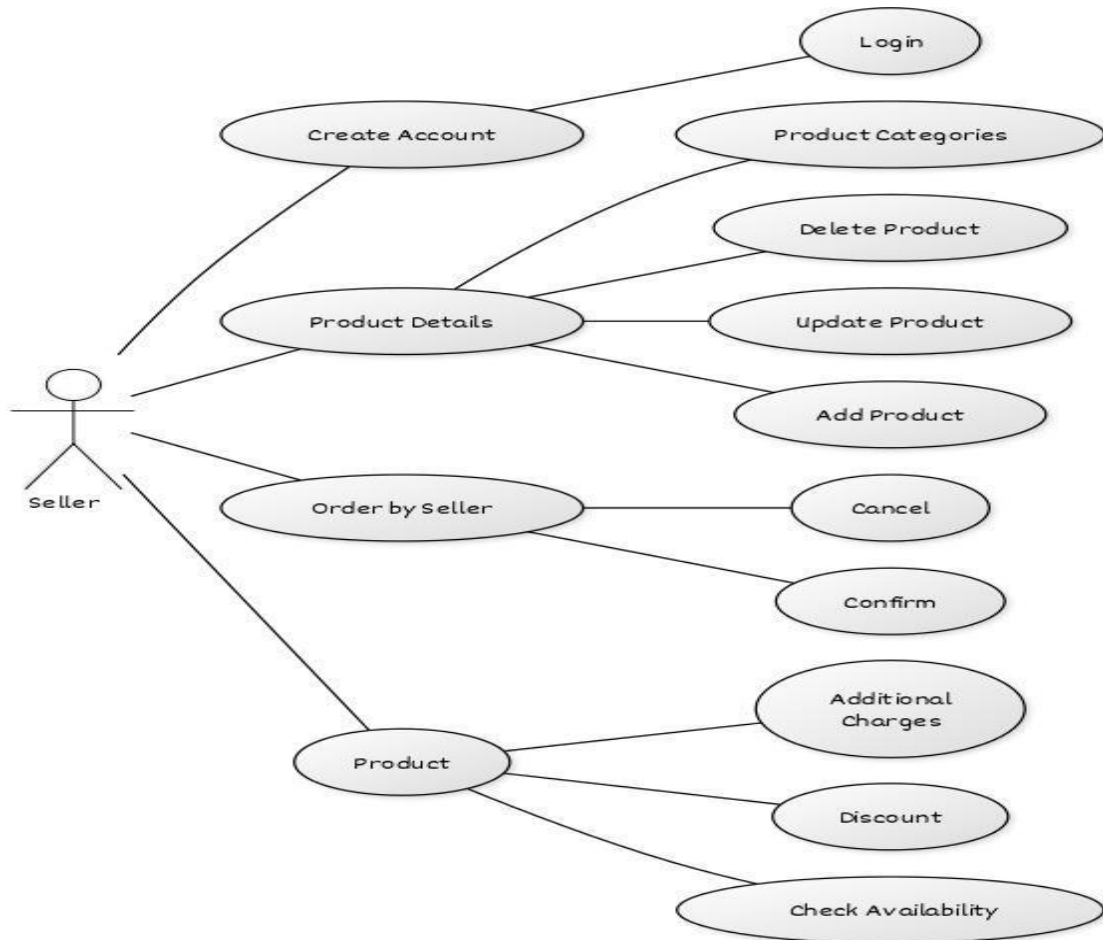


Diagrams

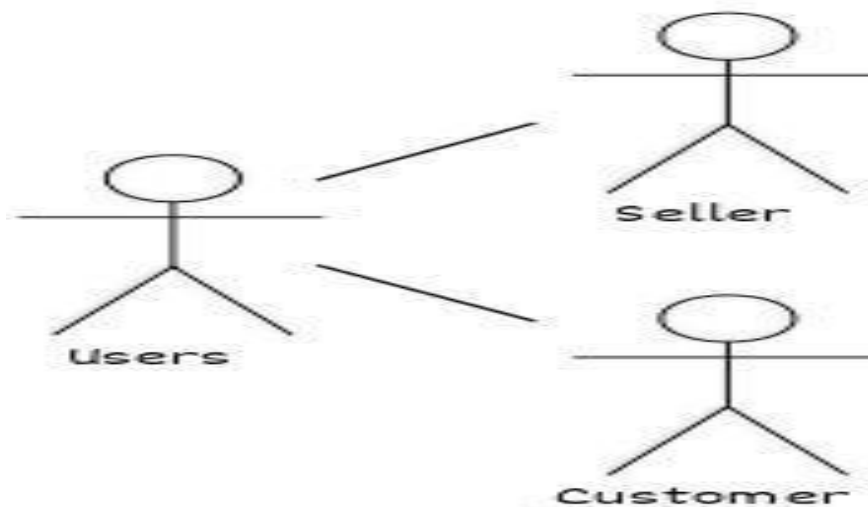


CREATED WITH YUML

Airline Reservation System



CREATED WITH YUML



CREATED WITH YUML

2.2NON FUNCTIONAL REQUIREMENTS

2.2.1 Interface

Go to Appendix B for user interfaces

2.2.2 Performance

- **Number of Concurrent Users:**

ARS shall be able to handle at least 1000 transactions/inquiries per second

- **Booking of Products:**

The system is susceptible to any temporary server failure since it uses the strong feature of Struts 2 and Hibernate. Hence the examination will be continued even if the sever gets disconnected in between the examination.

2.2.3 Constraint

ARS shall be able to handle at least 1000 transactions/inquiries persecond

2.2.4 Other Requirements:

- **Hardware Interfaces**

The SPMS is expected to function on Intel PIII 900 MHz Processor equivalent or above, 128 MB RAM, 20 GB HDD.

- **Software Interfaces**

The SPMS shall work on MS Windows operating systems family (MS Windows 98, MS Windows NT Workstation, MS Windows 2000, MS Windows XP). It configures to work with Oracle database. This System works on Apache Tomcat server. It uses browser IE 5.0 & above. It uses IIS 5.0 server.

3. DESIGN

3.1 Database Design

The following table structures depict the database design.

Table1: User

Key Type/ Constraint	Column Name	Data Type	Length	Allow Null (1=Yes;0=No)
3	ID	int	4	0
0	Email id	Varchar2	6	1
0	First name	Varchar2	255	1
0	Last name	Varchar2	255	1
0	password	Varchar2	255	1
0	Phone no	Varchar2	255	1
0	role	Varchar2	255	1
0	Status	Varchar2	255	1
0	Address id	int	4	1
0	Seller id	int	4	1

Table2: Address

3	Id	Int	15	0
0	City	Varchar2	15	1
0	Pin code	Int	6	
0	street	Varchar2	15	

Table3: Cart

3	ID	int	5	0
0	Added time	Varchar2	25	1
0	quantity	Int	2000	0
0	Product id	Int	30	1
0	User id	Int	4	1

Table4: Category

3	ID	Int	5	0
3	Description	Varchar2	255	0
0	name	Varchar2	255	1
0	Status	Varchar2	255	1

Table5: Orders

3	Id	Int	5	0
0	Delivery date	Varchar2	255	1
3	Delivery status	Varchar2	255	0
0	Delivery time	Varchar2	255	1
0	Order id	Varchar2	8	1
0	Order time	Varchar2	8	1
0	Quantity	Int	15	1
0	Status	Varchar2	255	1
0	Delivery person id	Int	5	1
0	Product id	int	5	1
0	User id	int	5	1

Table6: Product

3	Id	int	10	0
0	Description	Varchar2	255	1
`1	Image1	Varchar2	255	1
	Image2	Varchar2	255	1
	Image3	Varchar2	255	1
	Name	Varchar2	255	1
	Price	Decimal	38,2	1
	Quantity	Int	15	0
	Status	Varchar2	255	1
	Category id	Int	15	1
	Seller user id	int	15	1

Table7: Review

<u>3</u>	<u>Id</u>	<u>int</u>	<u>10</u>	<u>0</u>
<u>0</u>	<u>Review</u>	<u>Varchar2</u>	<u>255</u>	<u>1</u>
<u>0</u>	<u>Star</u>	<u>Int</u>	<u>10</u>	<u>0</u>
<u>1</u>	<u>Product id</u>	<u>Int</u>	<u>20</u>	<u>1</u>
<u>1</u>	<u>User id</u>	<u>int</u>	<u>20</u>	<u>1</u>

E-R Diagram, Dataflow diagram and Class Diagram:

Go to Appendix A

4. CODING STANDARDS IMPLEMENTED**Naming and Capitalization**

Below summarizes the naming recommendations for identifiers in Pascal casing is used mainly (i.e. capitalize first letter of each word) with camel casing (capitalize each word except for the first one) being used in certain circumstances.

Identifier	Case	Examples	Additional Notes
Class	Pascal	Person, BankVault, SMSMessage, Dept	Class names should be based on "objects" or "real things" and should generally be nouns . No ‘_’ signs allowed. Do not use type prefixes like ‘C’ for class.
Method	Camel	getDetails, updateStore	Methods should use verbs or verb phrases.
Parameter	Camel	personName, bankCode	Use descriptive parameter names. Parameter names should be descriptive enough that the name of the parameter and its type can be used to determine its meaning in most scenarios.
Interface	Pascal with "I" prefix	Disposable	Do not use the ‘_’ sign
Property	Pascal	ForeColor, BackColor	Use a noun or noun phrase to name properties.
Associated private member variable	_camelCase	_foreColor, _backColor	Use underscore camel casing for the private member variables

Exception Class	Pascal with "Exception" suffix	WebException,	
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Comments

- Comment each type, each non-public type member, and each region declaration.
- Use end-line comments only on variable declaration lines. End-line comments are comments that follow code on a single line.
- Separate comments from comment delimiters (apostrophe) or // with one space.
- Begin the comment text with an uppercase letter.
- End the comment with a period.
- Explain the code; do not repeat it.

5. TEST REPORT

Another group called Linux did the testing and the report of the testing is given hereunder.

GENERAL TESTING:

SR-NO	TEST CASE	EXPECTED RESULT	ACTUAL RESULT	ERROR MESSAGE
1	Register Page	Redirected to Next page	OK	Nothing
2	Login Page	Pop-up will come	Ok	Please enter username and password again .
3	Reset login	Only users password will be reseted	Ok	Nothing
4	Quick search flight	Gives all flight details	Ok	Nothing
5	Booking Ticket	All the fields should be filled for submission	Ok	Nothing
6	Checking login or not	User is logged in or not	Ok	Nothing
7	Add person details for tickets	Add informations according to no of seats allocated	Ok	Nothing
8	Goto ticket page	Set added information about person	Ok	Nothing
9	Add information in booking table	Save this all data into booking table	Ok	Nothing
10	Transaction	On back it should be reverted to previous page	Ok	Nothing
11	View transaction done	It shows you all transactions done previously	Ok	Nothing
12	Logout	It will logout from user profile.	Ok	Nothing
	STATIC TESTING			
SR-NO	Deviation	Program		
1	Commenting not followed	All Web Application		

6. PROJECT MANAGEMENT RELATED STATISTICS

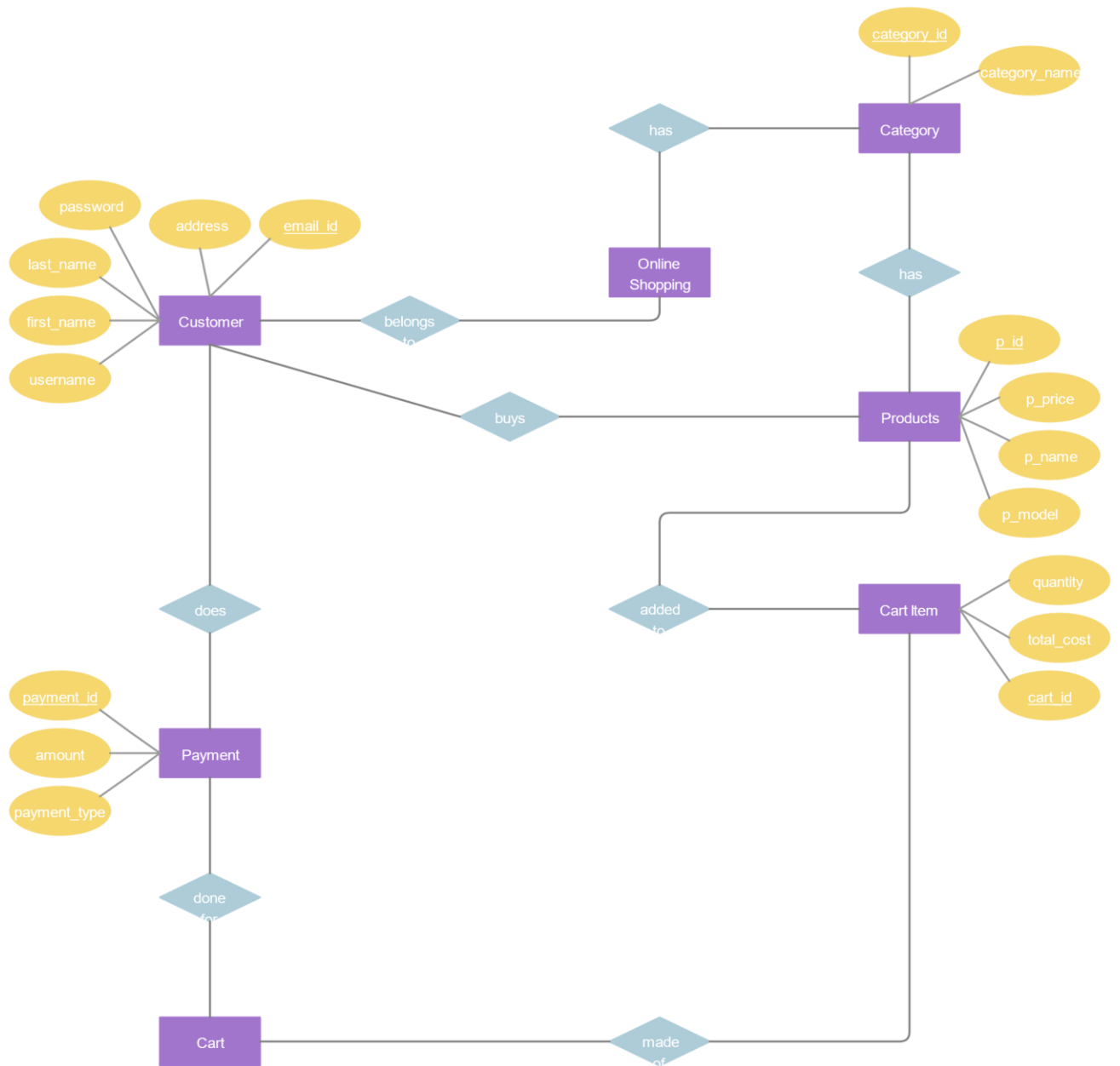
DATE	WORK PERFORMED	SLC Phase	Additional Notes
JAN 12,2015	Project Allotment and User Requirements Gathering	Feasibility Study	Our team met the client Mr. Nitinkudale (CEO, SIIT Pune) to know his requirements.
JAN 17,2015	Initial SRS Document Validation And Team Structure Decided	Requirement Analysis (Elicitation)	The initial SRS was presented to the client to understand his requirements better
JAN 18,2015	Designing the use-cases, Class Diagram, Collaboration Diagram, E-R Diagram and User Interfaces	Requirement Analysis & Design Phase	Database Design completed
JAN 19,2015	Business Logic Component design Started	Design Phase	-----
JAN 20,2015	Coding Phase Started	Coding Phase	70% of Class Library implemented.
JAN 21,2015	Implementation of Web Application and Window Application Started	Coding Phase	Class Library Development going on.
JAN 22, 2015	Off	Off	Off
JAN 23, 2015	Implementation of Web Application and Window Application Continued	Coding Phase and Unit Testing	Class Library Modified as per the need.
JAN 24, 2015	Implementation of Web Application and Window Application Continued	Coding Phase and Unit Testing	--

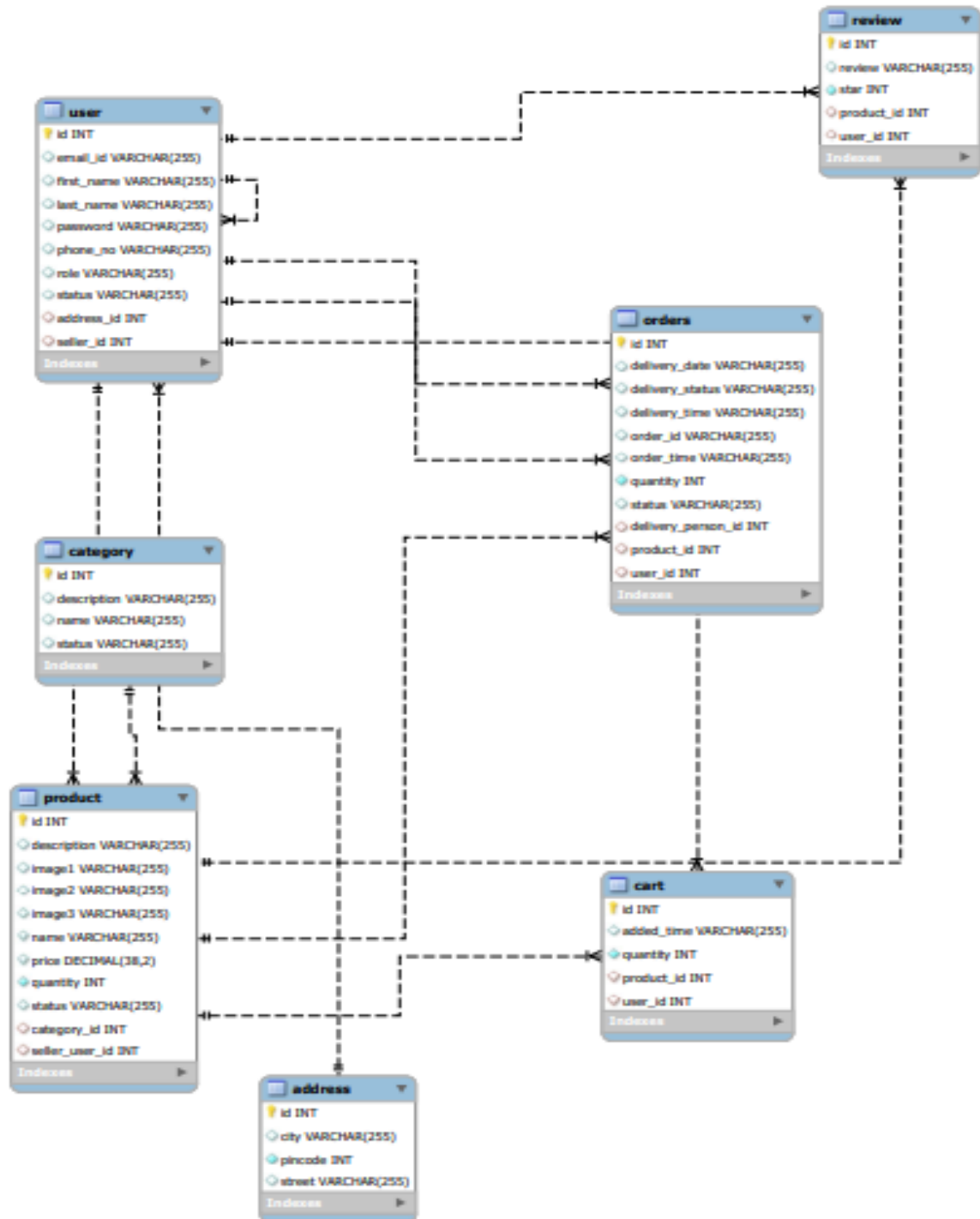
Airline Reservation System

JAN 25, 2015	After Ensuring Proper Functioning the Required Validations were Implemented	Coding Phase and Unit Testing	Module Integration was done by the Project Manager
JAN 26, 2015	The Project was Tested by the respective Team Leaders and the Project Manager	Testing Phase (Module Testing)	--
JAN 27, 2015	The Project was Submitted to Other Project Leader of Other Project Group For Testing	Testing Phase (Acceptance Testing)	The Project of Other Team was Taken up by the Team for Testing
JAN 28-29, 2015	The Errors Found were Removed	Debugging	The Project was complete for submission
JAN 30, 2015	Final Submission of Project		

Appendix A

Entity Relationship Diagram



Class Diagram

Appendix B

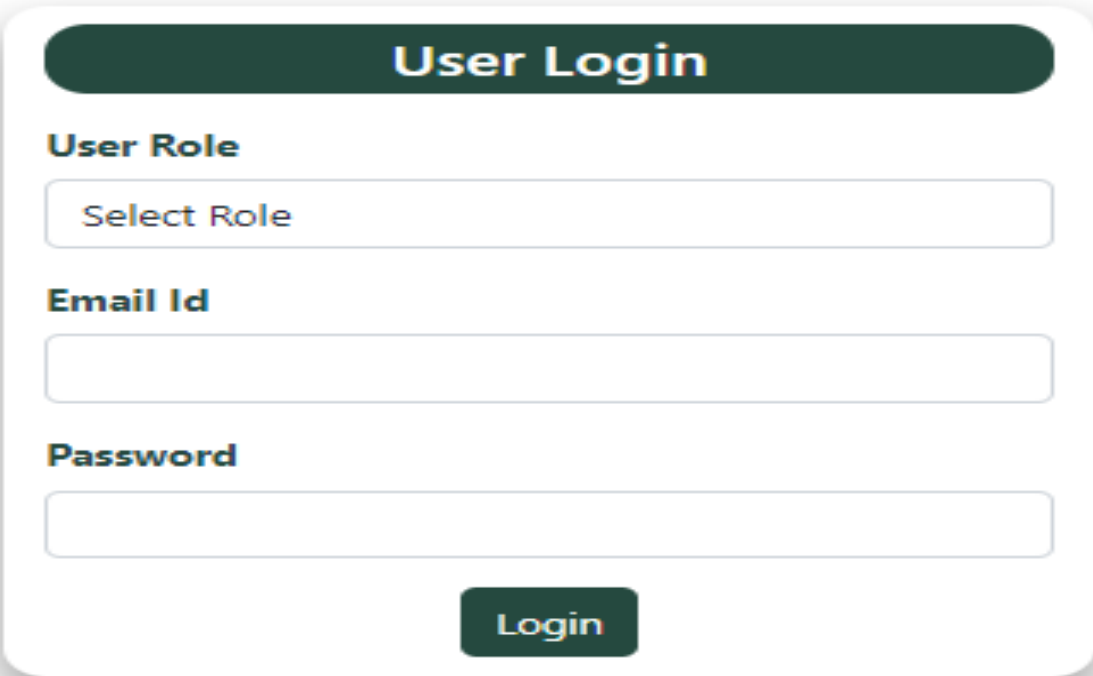
Role of User

ADMIN Role

1) Admin will be able to log in to the System.

When we successfully run our spring boot application, it automatically creates a default Admin with the credential "demo.admin@demo.com" as the email and "123456" password. So by using this, the admin can log in to the system.

By using the below form, All users (Admin, Seller, Delivery & Customer) can log into the system by selecting the user role.

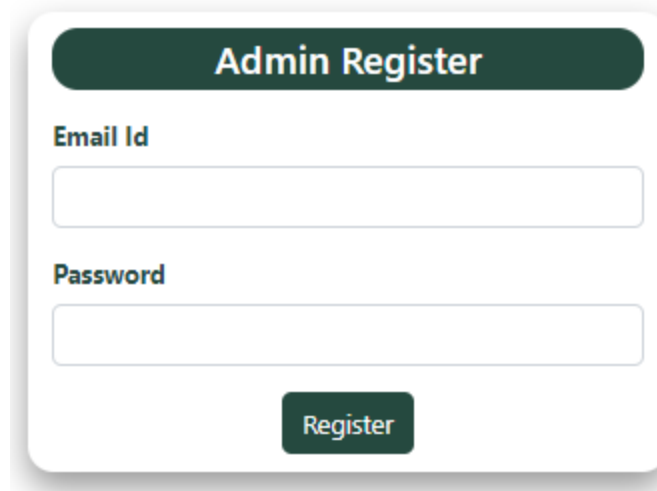


The image shows a 'User Login' form with a dark green header bar containing the text 'User Login' in white. Below the header, there are three input fields: 'User Role' with a dropdown menu showing 'Select Role', 'Email Id', and 'Password'. At the bottom of the form is a dark green 'Login' button.

User Login	
User Role	Select Role
Email Id	
Password	
Login	

2) Admin can register other admins.

After the Admin login, the admin can register Admins into the system by using the below form



The form is titled "Admin Register" in a dark green header. It contains two input fields: "Email Id" and "Password". Below the "Password" field is a dark green "Register" button.

Admin Register

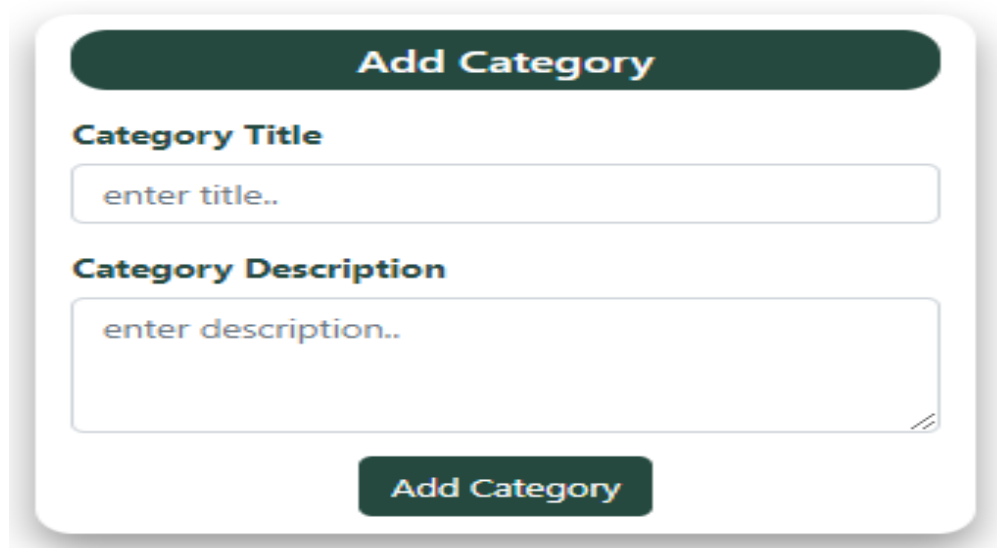
Email Id

Password

Register

3) Admin can add Product Categories

Admin can add multiple categories into the system and Sellers can add the products from these categories



The form is titled "Add Category" in a dark green header. It contains two input fields: "Category Title" and "Category Description". Below the "Category Description" field is a dark green "Add Category" button.

Add Category

Category Title

enter title..

Category Description

enter description..

Add Category

4) Admin can view and delete the sellers

Admin can view all the registered sellers in the system and at any time admin can delete the seller by clicking on the delete button. Once the admin deletes the seller, all products added by the seller will also get deleted and delivery persons of that seller will also get deactivated from the system.





All Sellers						
First Name	Last Name	Email Id	Phone No	Address	Action	
Flipkart	Flipkart	flipkart@gmail.com	1597864530	Demo Street, Demo City, 123456	Delete	
Meesho	Meesho	meesho@gmail.com	4569638520	Demo Street, Demo City, 123456	Delete	

5) The Admin can view all the delivery persons from all the sellers.

Admin can view all the registered delivery persons from all the sellers.

All Delivery Persons						
First Name	Last Name	Email Id	Phone No	Address	Seller	
Flipkart Delivery	Flipkart Delivery	flipkartdelivery@gmail.com	1239564870	Demo Street, Demo City, 123456	Flipkart	
Addu	Meesho	addu@gmail.com	9637411230	Demo Street, My City, 456798	Meesho	

- 6) Admin can view all the products.
Admin can view all the products from all the sellers

My Products						
Product	Name	Description	Category	Quantity	Price	Seller
	White Sports Shoes For Men	Our Shoes are available in eye catching looks and designs. Its very light weight product in this range.	Shoes	99	399	Flipkart
	Farbot Men's Tshirts	These cool, elegant, and stylish t-shirts are made of 100% breathable and comfortable fabric. Extremely useful for daily usage like gym wear, small gatherings.	T-Shirt	150	999	Flipkart
	Chitrarekha Women Gowns	Chitrarekha Women Gowns. Three-Quarter Sleeves with Embroidered Pattern	Gown	146	599	Meesha
	Colour Blocked MAXI DRESS	COLOUR BLOCKED TIERED MAXI DRESS Fabric : Kota Muslin with Short Sleeve	Gown	0	999	Meesha

- 7) Admin can view and delete the product categories
Admin can view all the product categories added by him and he can delete the categories by clicking on the delete button. Once Admin deletes the category, all the products under that category from all sellers will also get deleted.

All Categories			
Category Id	Category Name	Description	Action
1	Shoes	This category will contain all the shoe products	Update Delete
2	T-Shirt	This category will contain all t shirt products	Update Delete
3	Gown	This category will contain all the women gown products	Update Delete

8) Admin can update the Category.
Admin can update the Category by below form

Update Category

Category Title




T-Shirt

Category Description

This category will contain all t-shirt products

Update Category

9) Admin can view all the Customer orders.
Admin can view all the customer orders from all the sellers, he can also search the orders by order ID as shown below.

All Orders												
Enter Order ID...		Search										
Order ID	Product	Product Name	Category	Seller	Price	Quantity	Customer	Order Time	Order Status	Delivery Person	Delivery Contact	Delivery Time
C976R04MWVRQFGMI		White Sports Shoes For Men	Shoes	Flipkart	399	1	Sonu	9/24/2023, 4:29:34 PM	Delivered	Flipkart Delivery	1239564870	2023-09-30 Night
JTPLKHYCJTJVDTBN		Chitrakha Women Gowns	Gown	Meezho	599	1	Sonu	9/29/2023, 12:08:05 AM	Delivered	Addu	9637411230	2023-10-02 Morning
JTPLKHYCJTJVDTBN		Colour Blocked MAXI DRESS	Gown	Meezho	999	2	Sonu	9/29/2023, 12:08:05 AM	Delivered	Addu	9637411230	2023-10-02 Morning

10) Admin can view all the Customers.

Admin can view all the registered customers in the system

All Customers				
First Name	Last Name	Email Id	Phone No	Address
Sonu	Shukh	sonu@gmail.com	1234567890	Demo Street, Demo City, 123456
Ali	Khan	ali@gmail.com	1234567809	Demo, Demo, 11456

Seller Role:

1) Seller can register himself by using the below form.

Register Here!!!	
First Name	Last Name
<input type="text"/>	<input type="text"/>
Email Id	Password
<input type="text"/>	<input type="text"/>
Contact No	Street
<input type="text"/>	<input type="text"/>
City	Pincode
<input type="text"/>	<input type="text"/>
<input type="button" value="Register User"/>	

2. Seller can register the Delivery Person by using the below form.

Register Here!!!

First Name

Last Name

Email Id

Password

Contact No

Street

City

Pincode

Register User

3) Seller can add his product

Add Product

Product Title

Product Description

Category

Select Category

Product Quantity

Product Price

Select 1st Image

Choose File No file chosen

Select 2nd Image


Choose File No file chosen

Select 3rd Image

Choose File No file chosen

Add Product

5) Seller can view all his products



Update Product Details

Product Title

Product Description

Category

Product Quantity

Product Price

Update Product

Update Product Image

Select 1st Image

Choose File No file chosen

Select 2nd Image

Choose File No file chosen

Select 3rd Image

Choose File No file chosen

Update Image

6) Seller can view and delete Delivery Persons.




All Delivery Persons					
First Name	Last Name	Email Id	Phone No	Address	Action
Flipkart Delivery	Flipkart Delivery	flipkartdelivery@gmail.com	1239564870	Demo Street, Demo City, 123456	Delete

7) Seller can view all his orders

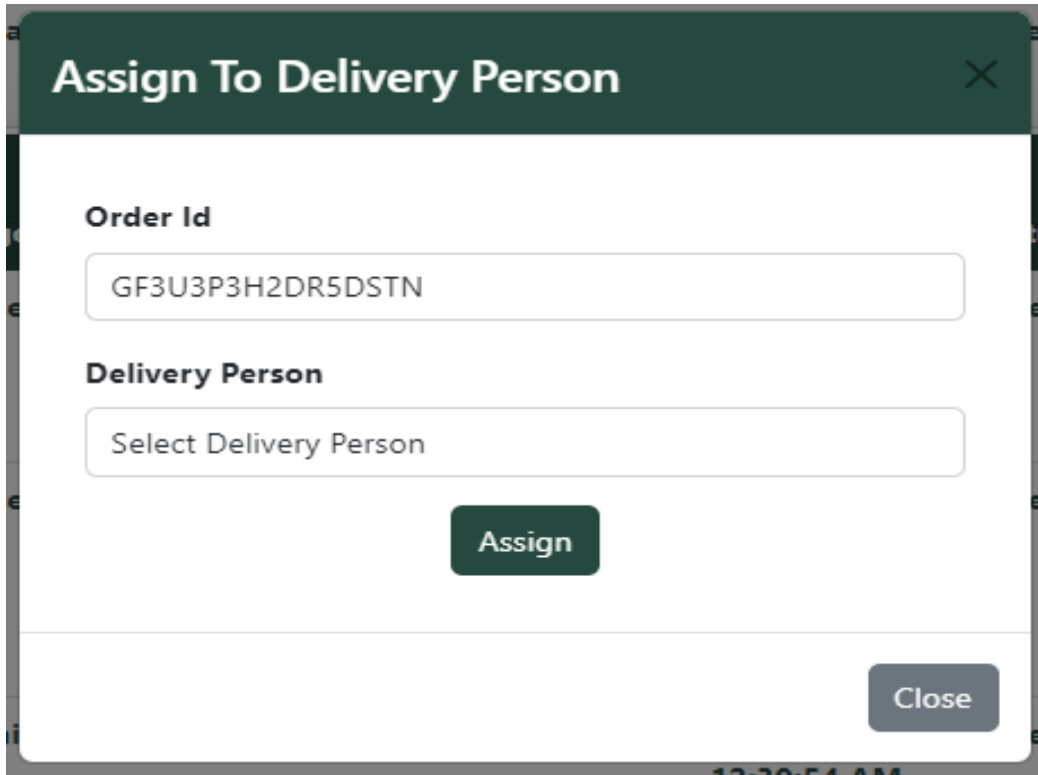
Seller Orders

Enter Order Id...

Search

Order Id	Product	Product Name	Category	Seller	Price	Quantity	Customer	Order Time	Order Status	Delivery Person	Delivery Contact	Delivery Time	Action
C976RO4MWVRQFQMI		White Sports Shoes For Men	Shoes	Flipkart	399	1	Sonu	9/24/2023, 4:29:34 PM	Delivered	Flipkart Delivery	1239564870	2023-09-30 Night	Delivery Assigned
P8L2U6TPHD9S51ZF		White Solid Casual shoes for men	Shoes	Flipkart	500	1	Sonu	10/3/2023, 12:39:54 AM	Delivered	Flipkart Delivery	1239564870	2023-10-03 Night	Delivery Assigned
P8L2U6TPHD9S51ZF		Men Solid Polo Neck Cotton Green Tshirt	T-Shirt	Flipkart	300	1	Sonu	10/3/2023, 12:39:54 AM	Delivered	Flipkart Delivery	1239564870	2023-10-03 Night	Delivery Assigned

- 8) Seller can assign a delivery person for an order.
The seller can assign a delivery person for the customer's orders



The image shows a modal dialog box titled "Assign To Delivery Person" with a close button (X) in the top right corner. The dialog contains two input fields: "Order Id" with the value "GF3U3P3H2DR5DSTN" and "Delivery Person" with the placeholder text "Select Delivery Person". Below these fields is a green "Assign" button. At the bottom right of the dialog is a grey "Close" button. A timestamp "12:30:54 AM" is visible at the bottom of the dialog.

7. Conclusion:

The Etohfa Online Gift Portal sets a new standard in gift shopping with its elegant and efficient platform. By blending cutting-edge technology with a user-centric design, Etohfa transforms the gift-buying experience into a delightful journey. From effortlessly browsing diverse products to securely placing orders and tracking

deliveries, every interaction is designed to be seamless and enjoyable. Etoha not only simplifies the process of finding the perfect gift but also enhances the joy of giving and receiving.

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