

SHOPPING APPLICATION

1.INTRODUCTION

1.1 Overview

Shopping application allows managing products,customers and stores. The application will have two application roles:

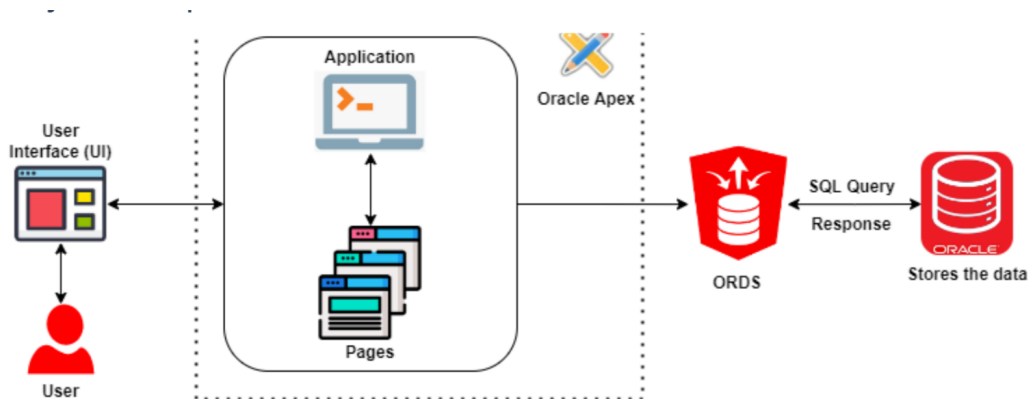
- Administrators
 - To manage the products, customers and stores
 - To access a dashboard to identify the top products
- Customers
 - To review, add, delete, or edit the number of products in the shopping cart
 - To submit orders

1.2 Purpose

A shopping cart app is essential to any online store that allows customers to select, review, and purchase a product or service at any time. Using APEX, developers can quickly develop and deploy compelling apps that solve real problems and provide immediate value. With oracle APEX ,we can learn how to quickly and easily build a fully-featured,responsive web app using just a modern web browser from scratch. We do not need to be an expert in a vast array of technologies to deliver sophisticated solutions.

2.THEORITICAL ANALYSIS

2.1 Block Diagram



2.2 Hardware / Software designing

Hardware requirements:

- Desktop

Software requirements:

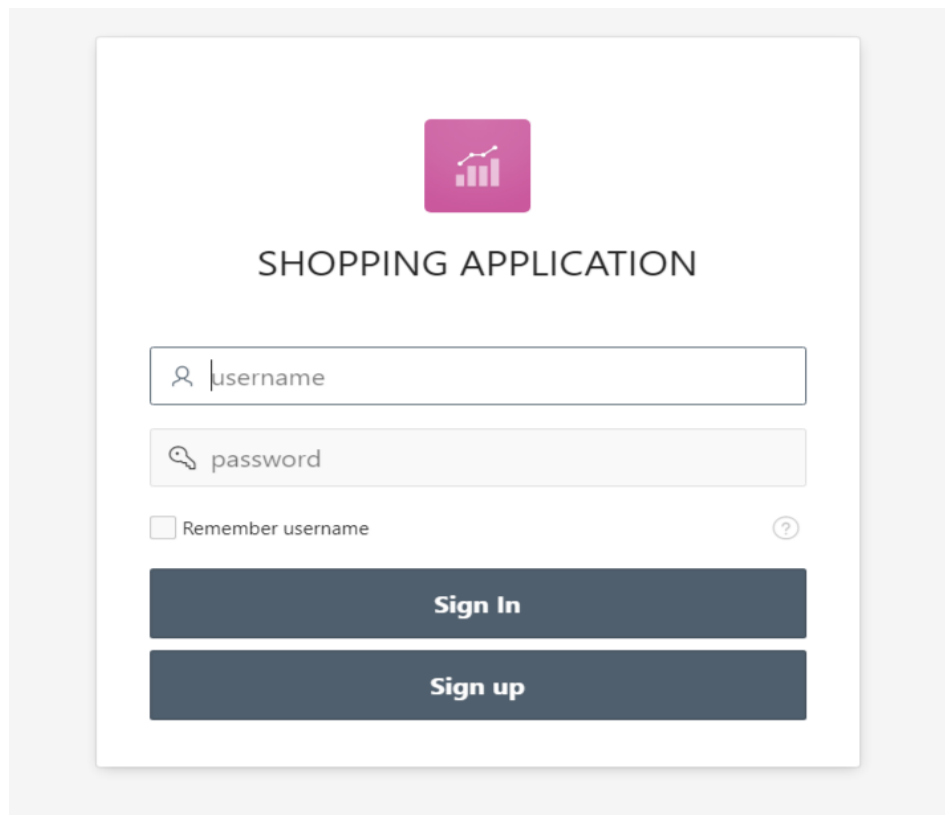
- Oracle APEX
- Browser
- HTTP server

3.FLOW CHART



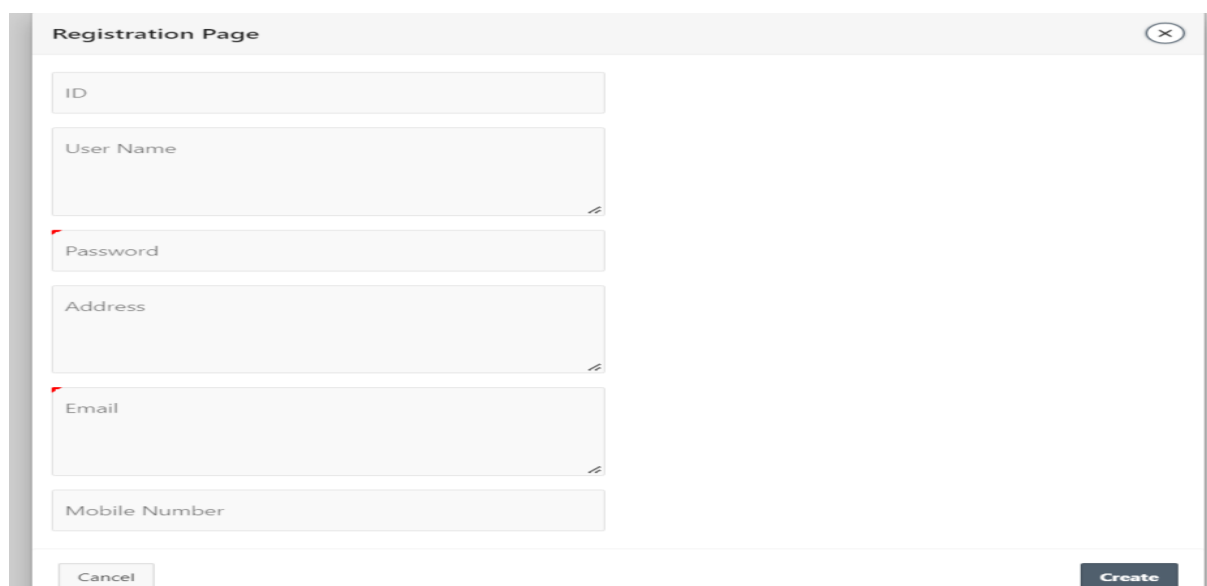
4.RESULT

4.1 Login Page



The login page features a central white card on a light gray background. At the top of the card is a purple square icon with a white bar chart. Below the icon, the text "SHOPPING APPLICATION" is centered in a bold, black, sans-serif font. The form contains two input fields: the first is labeled "username" with a user icon on the left, and the second is labeled "password" with an eye icon on the left. Below these fields is a checkbox labeled "Remember username" and a small circular help icon with a question mark. At the bottom of the card are two dark blue buttons with white text: "Sign In" and "Sign up".

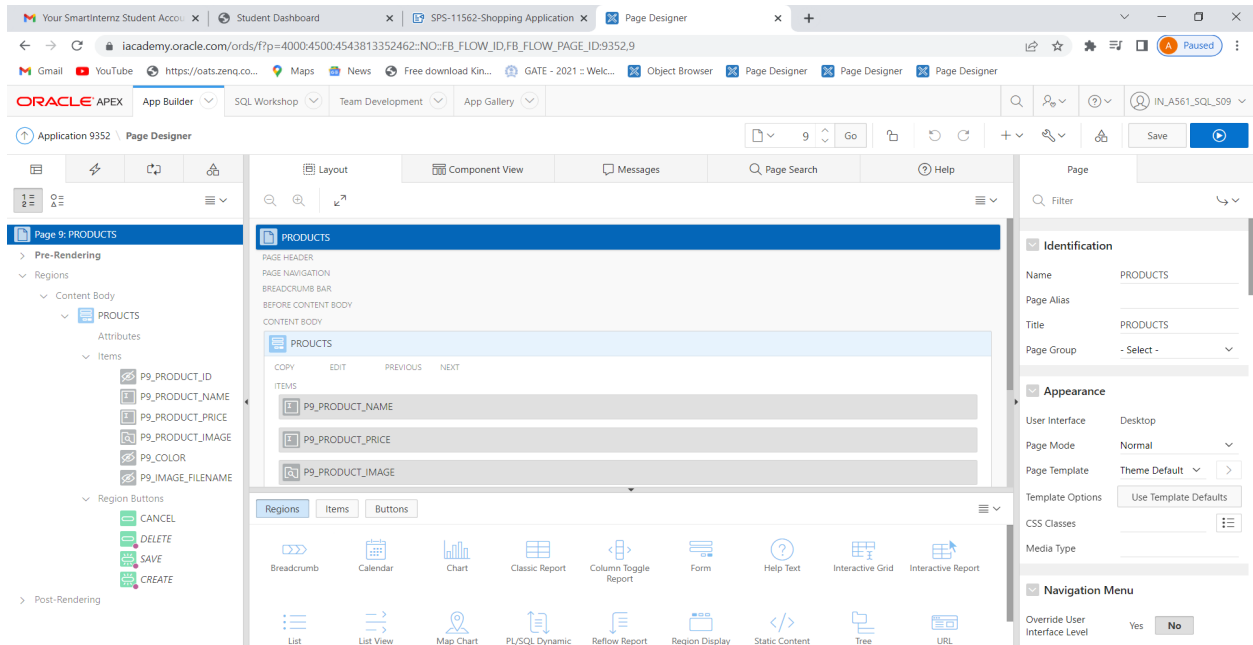
4.2 Registration Page



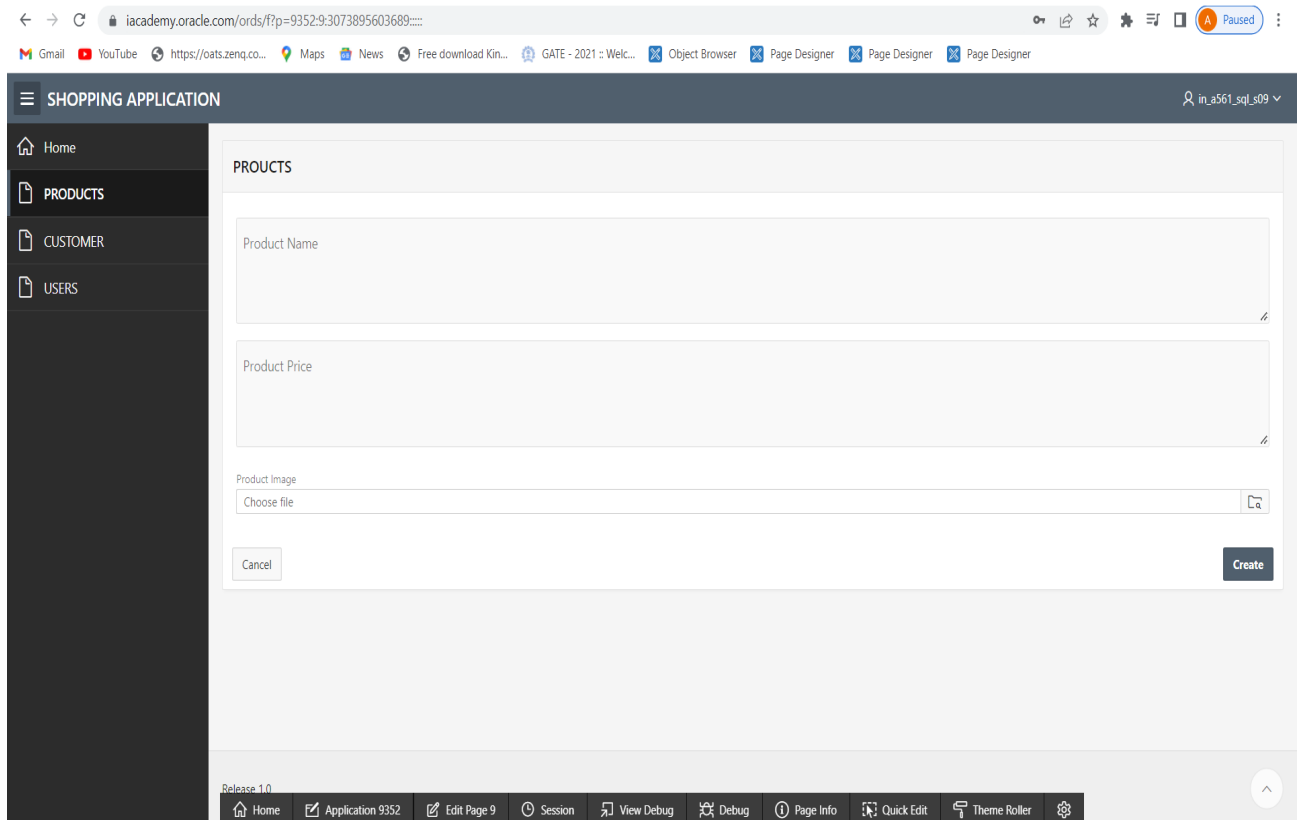
The registration page is presented as a modal window titled "Registration Page" with a close button (X) in the top right corner. The form is contained within a light gray border and includes several input fields: "ID", "User Name", "Password" (with a red error indicator on the left), "Address", "Email" (with a red error indicator on the left), and "Mobile Number". Each of the "User Name", "Address", and "Email" fields has a small pencil icon at the bottom right, indicating an edit function. At the bottom left of the modal is a "Cancel" button, and at the bottom right is a dark blue "Create" button.

4.3 Products Page

page designer



Page



4.4 Customer Page

The screenshot shows the Oracle APEX Page Designer interface for 'Page 11: CUSTOMER'. The left sidebar contains a tree view with 'Pre-Rendering', 'Regions' (containing 'CUSTOMER' with attributes like P11_ID, P11_USER_NAME, P11_PASSWORD, P11_ADDRESS, P11_EMAIL, P11_MOBILE_NUMBER), and 'Post-Rendering'. The main canvas displays the 'CUSTOMER' region with a form containing fields for P11_USER_NAME, P11_PASSWORD, and P11_ADDRESS. The right sidebar shows the 'Identification' tab with fields for Name (CUSTOMER), Page Alias, Title (CUSTOMER), and Page Group (- Select -). The 'Appearance' tab shows User Interface (Desktop), Page Mode (Normal), Page Template (Theme Default), and Template Options (Use Template Defaults). The 'Navigation Menu' tab shows 'Override User Interface Level' set to 'No'.

Page

The screenshot shows the 'ORDER_DETAILS' page in the 'SHOPPING APPLICATION'. The left sidebar contains a menu with 'Home', 'PRODUCTS', 'CUSTOMER', and 'USERS'. The main content area is titled 'ORDER_DETAILS' and contains a 'Create Form' section. The form includes a date field for 'Order Date', a radio button group for 'Order Status' with options 'NOT RECEIVED' and 'RECEIVED', and input fields for 'Quantity' and 'Price'. A 'Create' button is located at the bottom right of the form. The footer shows the application name 'SHOPPING APPLICATION', the version 'Release 1.0', and a notification '1 new notification'.

4.5 Users Page

Page Designer

The screenshot shows the Oracle APEX Page Designer interface for the 'USERS' page. The left sidebar displays the page structure, including 'Page 12: USERS', 'Pre-Rendering', 'Regions', 'Content Body', 'Report 1', 'Columns', 'Attributes', 'Region Buttons', and 'Post-Rendering'. The main canvas shows the 'USERS' page layout with a 'Report 1' region. The right sidebar contains the 'Page' properties panel, including 'Identification' (Name: USERS, Page Alias: USERS, Title: USERS, Page Group: - Select -), 'Appearance' (User Interface: Desktop, Page Mode: Normal, Page Template: Theme Default, Template Options: Use Template Defaults, CSS Classes, Media Type), and 'Navigation Menu' (Override User Interface Level: Yes, No). A 'CREATE' button is visible in the bottom right corner of the main canvas.

Page

The screenshot shows the 'USERS' page in the 'SHOPPING APPLICATION'. The page features a table with user information. The table has columns for 'Id', 'Password', 'Address', 'Email', and 'Mobile Number'. The data is as follows:

	Id	Password	Address	Email	Mobile Number
	2	user2	mumbai	user2@gmail.com	12345677
	3	user3	Bhopal	user3@gmail.com	2345671
	4	user4	mumbai	user4@gmail.com	3216547
	5	user5	hyd	user5@gmail.com	76854321
	1	user1	hyd	user1@gmail.com	1234567

The page includes a search bar, a 'Go' button, and an 'Actions' dropdown menu. A 'Create' button is located in the top right corner. The footer shows the application name 'SHOPPING APPLICATION', the user 'in_a561_sql_s09', and the date '30 May 2022 Monday'.

4.6 Admin Page

Page Designer

The screenshot shows the Oracle APEX Page Designer interface for 'Page 5: ADMIN'. The top navigation bar includes the Oracle APEX logo, 'App Builder', and various tool tabs like 'SQL Workshop', 'Team Development', and 'App Gallery'. The main workspace is divided into three panes: a left-hand 'Page S: ADMIN' tree showing the page structure (Pre-Rendering, Regions, Content Body, ADMIN, Attributes, Series, Axes), a central 'Layout' pane showing the page header, navigation, breadcrumb bar, before content body, content body (with a table and buttons), and footer; and a right-hand 'Page' properties pane. The 'Page' pane has sections for 'Identification' (Name: ADMIN, Page Alias, Title: ADMIN, Page Group: - Select -), 'Appearance' (User Interface: Desktop, Page Mode: Normal, Page Template: Theme Default, Template Options: Use Template Defaults, CSS Classes, Media Type), and 'Navigation Menu' (Override User Interface Level: Yes/No).

Page

The screenshot shows the 'ADMIN' page of a shopping application. The page has a dark blue header with the title 'SHOPPING APPLICATION' and a user profile 'in_a561_sql_s09'. A left sidebar contains navigation links: Home, PRODUCTS, CUSTOMER, and USERS. The main content area is titled 'ADMIN' and displays a large table with 10 columns and 10 rows. The columns are: TAMATINA MODERN ART, DIGITAL FRAMED CANVAS, Girl painting, OIL PAINTING, ABSTRACT PAINT, painting, SIMPLE PAINTING, CANVAS PAINTING, and Group 9. The rows are numbered 0 to 9. The bottom of the page features a footer with 'Release 1.0' and a navigation bar with links: Home, Application 9352, Edit Page 5, Session, View Debug, Debug, Page Info, Quick Edit, Theme Roller, and a settings icon.

5.ADVANTAGES & DISADVANTAGES

Advantages

- Low code development
- quick and easy development

Disadvantages

- Works using browser
- Based on databases

6.APPLICATIONS

- Can be used in Shopping Apps

7.CONCLUSION

Hence a shopping application is created that consists of login page and registration page. The data entered in registration page is stored in a database. Once login is done, it is directed to dashboard consisting of Products, Users, Customers, Admin pages.

8.FUTURE SCOPE

Forms, application development are widely used nowadays, hence oracle apex has a good future scope

9.APPENDIX

A.Source code

For creating tables

```
create table table_name(column datatype(size) constraints.....)
```

For creating triggers

```
create or replace trigger "table_name"
```

```
BEFORE
```

```
insert on "table_name"
```

```
for each row
```

```
begin
```



```
select Nvl(max(column_name),0)+1 into :NEW.column_name FROM table_name;  
end;
```