

# **A Project Report**

on

## **3D Trial in online Shopping**

*Submitted in partial fulfillment of the*

*requirement for the award of the degree of*

# **Master of Computer Applications**



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**CANDIDATE'S DECLARATION**

I/We hereby certify that the work which is being presented in the thesis/project/dissertation, entitled "**3D Trial in Online Shopping**" in partial fulfillment of the requirements for the award of the B. Tech(CSE) –submitted in the School of Computing Science and Engineering of Galgotias University, Greater Noida, is an original work carried out during the period of month, Year to Month and Year, under the supervision of Ms. Kiran Singh (Assistant Professor), Department of Computer Science and Engineering/Computer Application and Information and Science, of School of Computing Science and Engineering , Galgotias University, Greater Noida

The matter presented in the thesis/project/dissertation has not been submitted by me/us for the award of any other degree of this or any other places.

Yathartha Singh(18SCSE1010015)

Vivek Singh Chauhan(18SCSE1010485)

This is to certify that the above statement made by the candidates is correct to the best of my knowledge.

Ms. Kiran Singh  
Assistant Professor

**CERTIFICATE**

The Final Thesis/Project/ Dissertation Viva-Voce examination of Yathartha Singh(18SCSE1010015) and Vivek Singh Chauhan(18SCSE1010485) has been held on and his/her work is recommended for the award of B. Tech(CSE)

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Supervisor(s)**

**Signature of**

**Signature of Project Coordinator**

**Signature of Dean**

Date: 4<sup>th</sup> December 2021

Place: Greater Noida

## **Acknowledgement**

In the accomplishment of completion of my project on Shoppable(Online Shopping Site) I would like to convey my special gratitude to Ms. Kiran Singh of Computer Science Department.

Your valuable guidance and suggestions helped me in various phases of the completion of this project. I will always be thankful to you in this regard.

I am ensuring that this project was finished by me and not copied.

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## Abstract

Now a days the life style of the people is different. People feel uncomfortable and time consuming for going crowded markets. So, E-Shopping is a boon as it saves lot of time. Online shopping is a process whereby consumers directly buy goods, services etc. from a seller without an intermediary service over the Internet. Shoppers can visit web stores from the comfort of their house and shop as by sitting in front of the computer. Online stores are usually available 24 hours a day and many consumers have internet access both at work and at home. So it is very convenient for them to shop Online. One of the most enticing factors about online shopping, particularly during holiday season is, it alleviates the need to wait in long lines or search from a store for a particular item. Variety of goods are available in online. So the researcher want to know the preference of the consumers. So fifty respondents were met and data were collected regarding their preference towards shopping online.

**Formulation of the problem:** It is difficult for the online seller to identify the customers wants and needs, since potential customers are large in number. It is important to identify the factors that influence the customers to prefer online shopping. Therefore, the study is undertaken by the researcher.

**Solution:** The present study has made an attempt to understand the customer's preference towards online shopping. Online shopping is an emerging concept in the study area.

This study enables to understand the customer preference towards shopping and provides insight about online shopping.

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## Introduction

Marketing is basically helps the consumer's needs more effectively and efficiently with good product and services with best price and delivery. A good marketer continuously satisfying consumers needs in better way. Sometimes opportunity to give the consumers in better way is designed by marketers himself and sometimes it is offered by the technology. Internet is changing the way consumers shop for goods and services and has rapidly evolved into a global event. Rowley Jennifer, (1998) examined that internet is becoming a hotbed of advertising, shopping and commercial activity. Hsieh et al., (2013) stated that internet is influencing people's daily life more so as compared to past. People's daily activities have gradually shifted from physical conditions to virtual environment . The shopping and payment surroundings have also changed from physical store into online stores. Weiber and Kollmann, (1998) investigated that online technologies provide many competitive advantages like agility, selectivity, individuality and interactivity. Li Na and Zhang Ping, (2002) examined that online shopping has become the third most popular Internet activity, immediately following e-mail using, instant messaging and web browsing. Jush and Ling, (2012) defined online shopping as the process a customer takes to purchase a service or product over the internet . A consumer may at his or her leisure buy from the comfort of their own home products from an online store. Suresh et al., (2011) stated that online shopping is becoming popular in India now. Comscore report, (2013) examined that India is now the world's third largest internet Population. Younger males and women aged 35-44 emerge as power users. 73.8 million Indians surfed the web via a home or work computer. BCG report, (2012) stated that there will be three billion internet users globally, almost half the world's population. The internet economy will reach \$4.2 trillion in the G-20 economics. If it were a national economy, the internet economy would rank in the world's top 5, behind only the USA, , and India, and ahead of Germany. Kanwal Gurleen, (2012) observed that India has more than 100 million internet users out of which one half opts for online purchases and the number is rising sharply every year. The growth in the number of online shoppers is greater than the growth in Internet users, indicating that more Internet users are becoming comfortable to shop online. Until recently, the consumers generally visit online to reserve hotel rooms and buy air, rail or movie tickets, books and gadgets, but now more and more offline product like clothes - saris, kuris, T-shirts-shoes, and designer lingerie, consumer durables are being purchased online. Master Card Worldwide Insights, (2008) revealed that 47% of internet users shop online. Indian shopping community is around 28 million and

Indian online shopping market is worth about \$71 billion. Indian online shoppers spend about 11% of their personal income in online shopping.

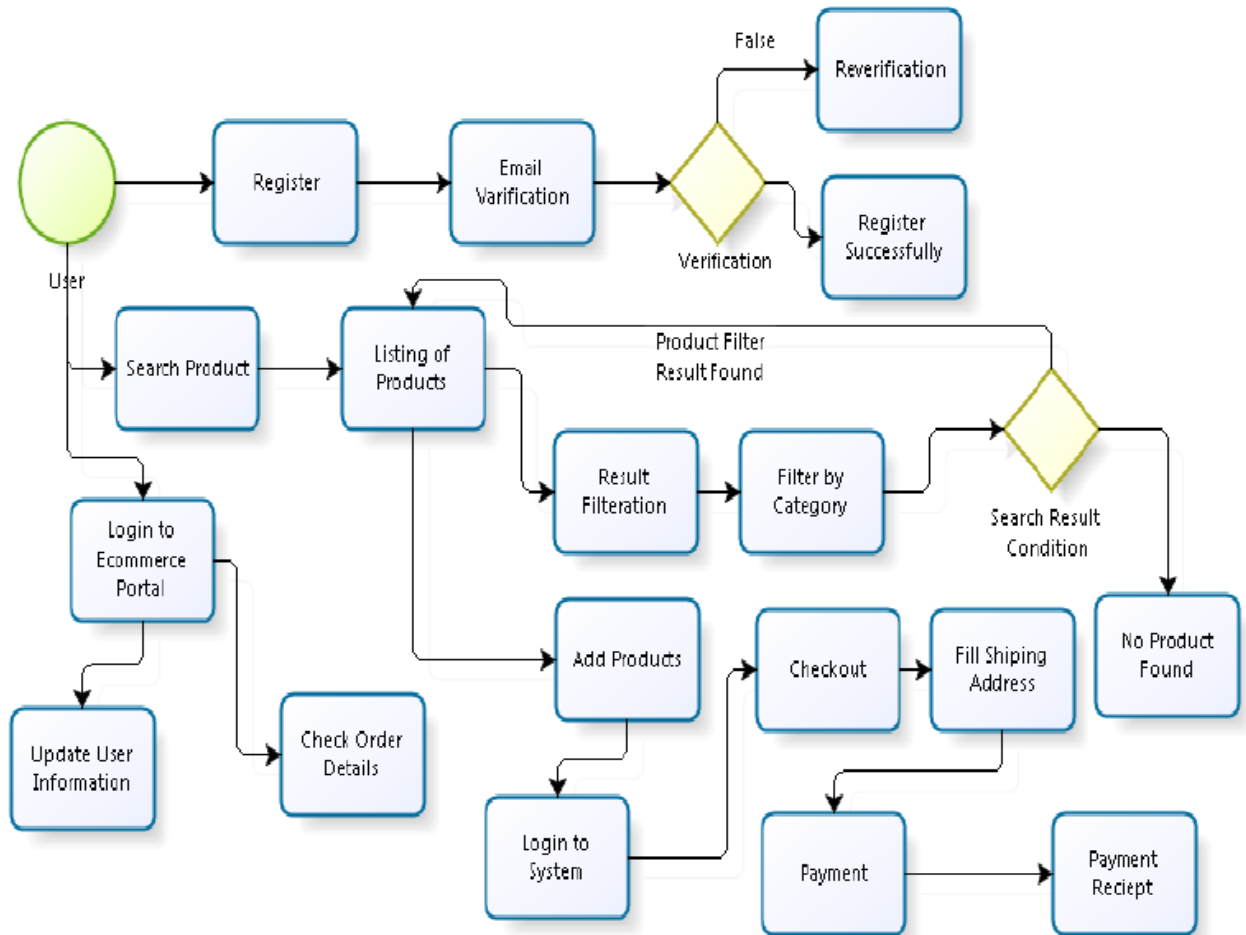


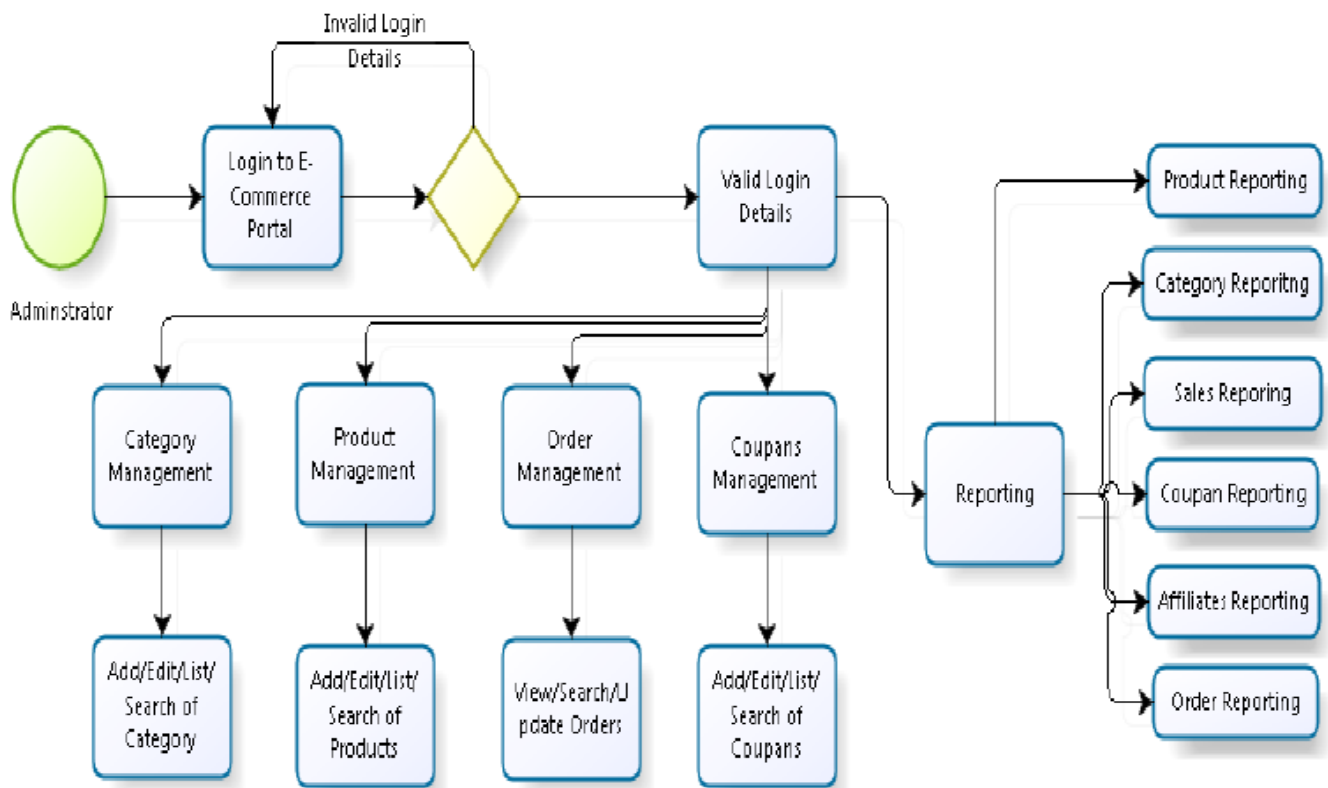
## Literature Survey

Online buying behavior is affected by various factors like, economic factors, demographic factors, technical factors, social factors, cultural factors, psychological factors, marketing factors and legislative factors. Customers choose an online-shop mainly based on references, clarity terms of delivery, graphic design and additional services. Problematical customers read discussions on the Internet before they spend their money on-line and when customers are incapable to purchase the product fast and with no trouble they leave online-shop. Kotler, (2003) described Consumer buying method as learning, information-processing and decision-making activity divided in several consequent steps: Problem identification, Information search, Alternatives evaluation, Purchasing decision, Post-purchase behavior. Efthymios, identified the main constituent of the online shopping experience as follows: the functionality of the Web site that includes the elements trade with the site's usability. the emotional elements planned for lowering the customer's hesitation by communicating trust and credibility of the online seller and Web site and the content elements including the aesthetic aspects of the online presentation and the marketing mix. Usability and trust are the issues more regularly found to influence the online consumer's behaviour . Karayanni , (2 examined that discriminating of potential determinants between web- shoppers and non shoppers. Free shipping is a great motivator to purchase the products and customers are willing to pay nominal charges for getting their products. While compare the shopping with others shopping, consumers take product price and shipping charges almost equally into deliberation. There are some ways that retailers can do to improve the experience for their online shoppers. The first is to write the expected delivery date of the order, customers are willing to wait for their orders but want to know just how long that force is. Timely coming of product shipment encourages shoppers to recommend an online retailer. Consumers also want to track updates and delivery notifications to understand when their package is incoming. Online shoppers want flexibility in their shipping, mainly the ability to give special delivery instructions or schedule a delivery time .Customers are also want to get the address changing option for filling the wrong address when they are purchasing online.

# Project Design

---





## Modules Description

### Login Module:

#### Source code:

#### Login.js

```
import React, { useState } from 'react';

import './Login.css'

import { Link, useHistory } from "react-router-dom";

import { auth } from "./firebase";

function Login() {

  const history = useHistory();

  const [email, setEmail] = useState("");

  const [password, setPassword] = useState("");

  const signIn = e => {

    e.preventDefault();

    auth

      .signInWithEmailAndPassword(email, password)

      .then(auth => {

        history.push('/')

      })

      .catch(error => alert(error.message))

  }

  const register = e => {

    e.preventDefault();

    auth

      .createUserWithEmailAndPassword(email, password)

      .then((auth) => {

        // it successfully created a new user with email and password
```

```

    if (auth) {
      history.push('/')
    }
  })
  .catch(error => alert(error.message))
}
return (
  <div className='login'>
    <Link to='/'>
      <img
        className="login__logo"
        src= "D:\Project_final\logo.png.png"
      />
    </Link>
    <div className='login__container'>
      <h1>Sign-in</h1>
      <form>
        <h5>E-mail</h5>
        <input type='text' value={email} onChange={e => setEmail(e.target.value)} />
        <h5>Password</h5>
        <input type='password' value={password} onChange={e =>
setPassword(e.target.value)} />
        <button type='submit' onClick={signIn} className='login__signInButton'>Sign
In</button>
      </form>
      <p>
        By signing-in you agree to the Shoppable Conditions of Use & Sale. Please
        see our Privacy Notice, our Cookies Notice and our Interest-Based Ads Notice.
      </p>
    </div>
  </div>
)

```

```

    </p>
    <button onClick={register} className='login__registerButton'>Create your
Amazon Account</button>
  </div>
</div>
)
}
export default Login

```

## Registration Modules

### Source code:

#### Registration.html

```

<link href="//maxcdn.bootstrapcdn.com/bootstrap/3.3.0/css/bootstrap.min.css"
rel="stylesheet" id="bootstrap-css">
<script src="//maxcdn.bootstrapcdn.com/bootstrap/3.3.0/js/bootstrap.min.js"></script>
<script src="//code.jquery.com/jquery-1.11.1.min.js"></script>
  <div class="container">
    <div class="row">
      <div class="panel panel-primary">
        <div class="panel-body">
          <form method="POST" action="#"
role="form">
            <div class="form-group">
              <h2>Create account</h2>
            </div>
            <div class="form-group">
              <label class="control-
label" for="signupName">Your name</label>

```

```

type="text" maxlength="50" class="form-control">
<input id="signupName"
</div>
<div class="form-group">
<label class="control-
label" for="signupEmail">Email</label>
<input id="signupEmail"
type="email" maxlength="50" class="form-control">
</div>
<div class="form-group">
<label class="control-
label" for="signupEmailagain">Email again</label>
<input
id="signupEmailagain" type="email" maxlength="50" class="form-control">
</div>
<div class="form-group">
<label class="control-
label" for="signupPassword">Password</label>
<input
id="signupPassword" type="password" maxlength="25" class="form-control"
placeholder="at least 6 characters" length="40">
</div>
<div class="form-group">
<label class="control-
label" for="signupPasswordagain">Password again</label>
<input
id="signupPasswordagain" type="password" maxlength="25" class="form-control">
</div>
<div class="form-group">
<button
id="signupSubmit" type="submit" class="btn btn-info btn-block">Create your
account</button>

```

```

        </div>
        <p class="form-group">By
creating an account, you agree to our <a href="#">Terms of Use</a> and our <a
href="#">Privacy Policy</a>.</p>

        <hr>
        <p></p>Already have an
account? <a href="#">Sign in</a></p>

    </form>
</div>
</div>
</div>
</div>
</div>

```

## Registration.css

```
form { margin: 0px 10px; }
```

```
h2 {
    margin-top: 2px;
    margin-bottom: 2px;
}
```

```
.container { max-width: 360px; }
```

```
.divider {
    text-align: center;
    margin-top: 20px;
    margin-bottom: 5px;
}
```



```
.divider hr {  
    margin: 7px 0px;  
    width: 35%;  
}  
  
.left { float: left; }  
.right { float: right; }
```

### **Add Customers:**

```
import java.io.IOException;  
  
import javax.servlet.ServletException;  
import javax.servlet.annotation.WebServlet;  
import javax.servlet.http.HttpServlet;  
import javax.servlet.http.HttpServletRequest;  
import javax.servlet.http.HttpServletResponse;  
import javax.servlet.http.HttpSession;  
  
import com.connection.DatabaseConnection;  
  
@WebServlet("/AddCustomer")  
public class AddCustomer extends HttpServlet {  
  
    protected void doPost(HttpServletRequest request, HttpServletResponse response)  
        throws ServletException, IOException {
```

```

//Retrieving values from the frontend

String name = request.getParameter("name");

String email = request.getParameter("email");

String password = request.getParameter("password");

String mobile = request.getParameter("mobile");

String gender = request.getParameter("gender");

String address = request.getParameter("address");

String pincode = request.getParameter("pincode");

//Creating Session

HttpSession hs = request.getSession();

//Inserting all values inside the database

try {

    //Connecting database connection and querying in the database

    int addCustomer = DatabaseConnection.insertUpdateFromSqlQuery("insert into
tblcustomer(address,email,gender,name,password,phone,pin_code)values('" + address + "','"
+ email + "','" + gender + "','" + name + "','" + password + "','"
+ mobile + "','" + pincode + "')");

    //If customer registered successfully

    if (addCustomer > 0) {

        String message = "Customer register successfully.";

        //Passing message via session.

        hs.setAttribute("success-message", message);

        //Sending response back to the user/customer

        response.sendRedirect("customer-register.jsp");
    }
}

```

```

    } else {
        //If customer fails to register
        String message = "Customer registration fail";
        //Passing message via session.
        hs.setAttribute("fail-message", message);
        //Sending response back to the user/customer
        response.sendRedirect("customer-register.jsp");
    }
} catch (Exception ex) {
    ex.printStackTrace();
}
}
}
}

```

### **Add Products:**

```

import java.io.File;
import java.io.IOException;
import java.util.List;
import java.util.Random;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

```

```

import org.apache.commons.fileupload.FileItem;

import org.apache.commons.fileupload.disk.DiskFileItemFactory;

import org.apache.commons.fileupload.servlet.ServletFileUpload;

import com.connection.DatabaseConnection;

@WebServlet("/AddProducts")

public class AddProducts extends HttpServlet {

    //Path where all the images are stored

    private final String UPLOAD_DIRECTORY = "C:\\Users\\NARENDER
KESWANI\\Documents\\NetBeansProjects\\OnlineShoppingSystem\\web\\uploads";

    @Override

    protected void doPost(HttpServletRequest request, HttpServletResponse response)

        throws ServletException, IOException {

        //Creating session

        HttpSession session = request.getSession();

        if (ServletFileUpload.isMultipartContent(request)) {

            try {

                //Taking all image requests

                List<FileItem> multipart = new ServletFileUpload(new
DiskFileItemFactory()).parseRequest(request);

                String imageName = null;

                String productName = null;

                String productQuantity = null;

```

```

String productPrice = null;

String descrip = null;

String mrpPrice = null;

String status = null;

String category = null;

//SALTCHARS to generate unique code for product
String SALTCHARS = "ABCDEFGHIJKLMNOPQRSTUVWXYZ1234567890";
StringBuilder salt = new StringBuilder();
Random rnd = new Random();
while (salt.length() < 3) { // length of the random string.
    int index = (int) (rnd.nextFloat() * SALTCHARS.length());
    salt.append(SALTCHARS.charAt(index));
}
String code = salt.toString();

for (FileItem item : multipart) {
    if (!item.isFormField()) {
        //Getting image name
        imageName = new File(item.getName()).getName();
        //Storing in the specified directory
        item.write(new File(UPLOAD_DIRECTORY + File.separator +
imageName));

        //Retriving all information from frontend
        FileItem pName = (FileItem) multipart.get(0);
        productName = pName.getString();
    }
}

```

```

        FileItem price = (FileItem) multipart.get(1);
        productPrice = price.getString();

        FileItem description = (FileItem) multipart.get(2);
        descrip = description.getString();

        FileItem mprice = (FileItem) multipart.get(3);
        mrpPrice = mprice.getString();

        FileItem fstatus = (FileItem) multipart.get(4);
        status = fstatus.getString();

        FileItem pcategory = (FileItem) multipart.get(5);
        category = pcategory.getString();

    }
}
try {
    int id = 0;

    String imagePath = UPLOAD_DIRECTORY + imageName;

    //Querying to insert product in the table

    int i = DatabaseConnection.insertUpdateFromSqlQuery("insert into
tblproduct(id,active,code,description,image,image_name,name,price,mrp_price,product_cate
gory) values('" + id + "','" + status + "','" + code + "','" + descrip + "','" + imagePath + "','" +
imageName + "','" + productName + "','" + productPrice + "','" + mrpPrice + "','" + category +
"'");

    //If product inserted sucessfully in the database

```

```

        if (i > 0) {
            String success = "Product added successfully.";
            //Adding method in session.
            session.setAttribute("message", success);
            //Response send to the admin-add-product.jsp
            response.sendRedirect("admin-add-product.jsp");
        }
    } catch (Exception e) {
        e.printStackTrace();
    }
} catch (Exception ex) {
    //If any occur occurred
    request.setAttribute("message", "File Upload Failed due to " + ex);
}
} else {
    request.setAttribute("message", "Sorry this Servlet only handles file upload request");
}
}
}
}

```

### **Add to Cart:**

```

import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;

```

```

import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

import com.connection.DatabaseConnection;

@WebServlet("/AddToCart")

public class AddToCart extends HttpServlet {

    @Override

    protected void doPost(HttpServletRequest request, HttpServletResponse response)

        throws ServletException, IOException {

        int id = 0;

        //Getting all the parameters from the user
        int productId = Integer.parseInt(request.getParameter("productId"));
        String price = request.getParameter("price");
        String mrp_price = request.getParameter("mrp_price");
        HttpSession hs = request.getSession();
        try {
            //If user session is null user have to re-login
            if ((String) hs.getAttribute("name") == null) {
                response.sendRedirect("customer-login.jsp");

                //Inserting cart details to the database
            } else {
                int customerId = (int) hs.getAttribute("id");

                //Querying to the database.
            }
        }
    }
}

```



```

        int addToCart = DatabaseConnection.insertUpdateFromSqlQuery("insert into
tblcart values('" + id + "','" + price + "',1,'" + price + "','" + customerId + "','" + productId +
 "','" + mrp_price + "')");

        if (addToCart > 0) {
            response.sendRedirect("index.jsp");
        }
    }

} catch (Exception e) {
    e.printStackTrace();
}
}
}
}

```

### **Admin Login:**

```

import java.io.IOException;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.Statement;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

import com.connection.DatabaseConnection;

```

```

@WebServlet("/AdminLogin")

public class AdminLogin extends HttpServlet {

    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {

    try {

        //Getting all the parameters from the frontend (admin)

        String email = request.getParameter("email");

        String pass = request.getParameter("upass");

        //Retriving our session

        HttpSession hs = request.getSession();

        //Calling Connection method

        Connection con = DatabaseConnection.getConnection();

        //Creating Statement

        Statement st = con.createStatement();

        //Querying inside the database

        ResultSet resultset = st.executeQuery("select * from tbladmin where email='" + email
+ "' AND password='" + pass + "'");

        //If all the details are correct

        if (resultset.next()) {

            hs.setAttribute("uname", resultset.getString("name"));

            //Redirecting admin to dashboard page

```

```

        response.sendRedirect("dashboard.jsp");

    } else {

        //If details are wrong

        String message = "You have enter wrong credentials";

        hs.setAttribute("credential", message);

        //Redirecting admin to admin login page

        response.sendRedirect("admin-login.jsp");

    }

} catch (Exception e) {

    System.out.println(e);

}

}

}

```

### **Customer Login:**

```

import java.io.IOException;

import java.sql.ResultSet;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.connection.DatabaseConnection;

```

```

@WebServlet("/CustomerLogin")
public class CustomerLogin extends HttpServlet {

    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {

        //Getting all data from user/customer
        String email = request.getParameter("email");
        String password = request.getParameter("password");

        //Creating Session
        HttpSession hs = request.getSession();

        try {

            //Creating Resultset
            ResultSet resultset = null;

            //Query to check Login Details
            resultset = DatabaseConnection.getResultFromSqlQuery("select * from tblcustomer
            where email='" + email + "' and password='" + password + "'");

            //Checking whether the details of user are null or not
            if (email != null && password != null) {

                if (resultset.next()) {

                    //Storing the login details in session
                    hs.setAttribute("id", resultset.getInt("id"));
                    hs.setAttribute("name", resultset.getString("name"));

                    //Redirecting response to the index.jsp
                    response.sendRedirect("index.jsp");

                } else {

```

```

        //If wrong credentials are entered
        String message = "You have enter wrong credentials";
        hs.setAttribute("credential", message);
        //Redirecting response to the customer-login.jsp
        response.sendRedirect("customer-login.jsp");
    }
} else {
    //If username or password is empty or null
    String message = "User name or Password is null";
    hs.setAttribute("credential", message);
    //Redirecting response to the customer-login.jsp
    response.sendRedirect("customer-login.jsp");
}

} catch (Exception e) {
    e.printStackTrace();
}
}
}

```

### **Customer Product Order Status:**

```

import com.connection.DatabaseConnection;
import java.io.IOException;
import java.sql.ResultSet;

```

```

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

@WebServlet("/CustomerProductsOrderStatus")
public class CustomerProductsOrderStatus extends HttpServlet {

    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {

        try {

            int statusMode = 0;

            //Taking input from admin order-id to get the order status from the database

            ResultSet rs = DatabaseConnection.getResultFromSqlQuery("select order_status from
tblorders where order_no=" + request.getParameter("orderId") + "");

            while (rs.next()) {

                if (rs.getString(1).equals("Deliver")) {

                    statusMode = DatabaseConnection.insertUpdateFromSqlQuery("update tblorders
set order_status='Pending' where order_no=" + request.getParameter("orderId") + "");

                } else {

                    statusMode = DatabaseConnection.insertUpdateFromSqlQuery("update tblorders
set order_status='Deliver' where order_no=" + request.getParameter("orderId") + "");

                }

            }

            if (statusMode > 0) {

                //Sending response back to admin-all-orders.jsp page when sql query executed
sucesfully

```

```

        response.sendRedirect("admin-all-orders.jsp");
    } else {
        //Sending response back to admin-all-orders.jsp page
        response.sendRedirect("admin-all-orders.jsp");
    }
} catch (Exception e) {
    e.printStackTrace();
}
}
}
}
}

```

### **Get Product Orders:**

```

import com.connection.DatabaseConnection;
import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

import java.sql.*;

@WebServlet(name = "GetProductsOrder", urlPatterns = {"/GetProductsOrder"})
public class GetProductOrders extends HttpServlet {

```

@Override

```
protected void doPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    //Creating Session
    HttpSession hs = request.getSession();
    int order_no = 1000;
    int orderProducts = 0;
    //Getting all the parameters from the user
    int paymentId = Integer.parseInt(request.getParameter("payment_id"));
    String customerName = request.getParameter("name");
    String mobile_number = request.getParameter("phone");
    String email_id = request.getParameter("email");
    String address = request.getParameter("address");
    String address_type = request.getParameter("addressType");
    String pincode = request.getParameter("pincode");
    String product_name = null;
    int quantity = 0;
    String product_price = null;
    String product_selling_price = null;
    String product_total_price = null;
    String order_status = null;
    String payment_mode = request.getParameter("payment");
    HttpSession session = request.getSession();
    //Storing payment attribute in session
    session.setAttribute("paymentId", paymentId);
```



```

try {
    //Getting maximum column of tblorders table

    ResultSet rsMaxOrderNo = DatabaseConnection.getResultFromSqlQuery("select
max(order_no) from tblorders");

    if (rsMaxOrderNo.next()) {

        order_no = rsMaxOrderNo.getInt(1);

        order_no = 1000 + order_no;

    }

    //Getting all the orders from the database

    ResultSet totalProduct = DatabaseConnection.getResultFromSqlQuery("select
tblproduct.image_name,tblproduct.name,tblcart.quantity,tblcart.mrp_price,tblcart.discount_pr
ice,tblcart.total_price,tblcart.product_id from tblproduct,tblcart where
tblproduct.id=tblcart.product_id and customer_id="

        + session.getAttribute("id") + " ");

    while (totalProduct.next()) {

        order_no++;

        String image_name = totalProduct.getString(1);

        product_name = totalProduct.getString(2);

        quantity = totalProduct.getInt(3);

        product_price = totalProduct.getString(4);

        product_selling_price = totalProduct.getString(5);

        product_total_price = totalProduct.getString(6);

        order_status = "Pending";

        //Inserting product details inside the table

        orderProducts = DatabaseConnection.insertUpdateFromSqlQuery(

            "insert into
tblorders(order_no,customer_name,mobile_number,email_id,address,address_type,pincode,i
mage,product_name,quantity,product_price,product_selling_price,product_total_price,order_
status,payment_mode,payment_id) values("

                + order_no + "," + customerName + "," + mobile_number + "," +

```

```

        + email_id + "','" + address + "','" + address_type + "','" + pincode + "','" +
image_name + "','"
        + product_name + "','" + quantity + "','" + product_price + "','"
        + product_selling_price + "','" + product_total_price + "','" + order_status +
"',"'
        + payment_mode + "','" + paymentId + "')");
    }

    DatabaseConnection.insertUpdateFromSqlQuery("delete from tblcart where
customer_id='" + session.getAttribute("id") + "'");

    if (orderProducts > 0) {
        //Sending response back to the user/customer
        String message = "Thank you for your order.";
        hs.setAttribute("success", message);
        response.sendRedirect("checkout.jsp");
    } else {
        response.sendRedirect("checkout.jsp");
    }
} catch (Exception e) {
    System.out.println(e);
}
}
}
}

```

### **Update Product Quantity:**

```

import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;

```

```

import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
import java.sql.*;
import com.connection.DatabaseConnection;

@WebServlet("/UpdateProductQuantity")

public class UpdateProductQuantity extends HttpServlet {

    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {

        //Getting all the data from the user/cutomer

        int quantity = Integer.parseInt(request.getParameter("quantity"));
        int productId = Integer.parseInt(request.getParameter("productId"));
        HttpSession session = request.getSession();
        String discount_price = null;
        Double productPrice = 0.0;

        try {

            //Querying to database

            ResultSet rs = DatabaseConnection.getResultFromSqlQuery("select discount_price
from tblcart where customer_id='" + session.getAttribute("id") + "' and product_id='" +
productId + "'");

            while (rs.next()) {

                //Getinh data

                discount_price = rs.getString("discount_price");

                //Converting into double from string

                productPrice = Double.parseDouble(discount_price);

            }

        }
    }
}

```

```

        productPrice = productPrice * quantity;

        //Update Query for updating product quantity

        int updateQuantity = DatabaseConnection.insertUpdateFromSqlQuery("update tblcart
set quantity=" + quantity + ",total_price=" + productPrice + " where customer_id=" +
session.getAttribute("id") + " and product_id=" + productId + " ");

        //If cart is successfully updated

        if (updateQuantity > 0) {

            //Sending response back to the user/customer.

            response.sendRedirect("checkout.jsp");

            //If cart is not updated

        } else {

            //Sending response back to the user/customer.

            response.sendRedirect("checkout.jsp");

        }

    } catch (Exception e) {

        e.printStackTrace();

    }

}

}

```

### **AdminAdd.jsp:**

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

    <head>

        <title>Online Shopping System</title>

        <!-- Importing all ui libs -->

```

```

<link href="assets/css/bootstrap.css" rel="stylesheet" />
<link href="assets/css/font-awesome.css" rel="stylesheet" />
<link href="assets/css/style.css" rel="stylesheet" />
<link href="css/bootstrap.css" rel="stylesheet" type="text/css" media="all" />
<link href="css/style.css" rel="stylesheet" type="text/css" media="all" />
<script type="text/javascript" src="js/jquery-2.1.4.min.js"></script>
<script src="js/simpleCart.min.js"></script>
<script type="text/javascript" src="js/bootstrap-3.1.1.min.js"></script>
<link href='http://fonts.googleapis.com/css?family=Montserrat:400,700' rel='stylesheet'
type='text/css'>
<link
href='http://fonts.googleapis.com/css?family=Lato:400,100,100italic,300,300italic,400italic,7
00,900,900italic,700italic' rel='stylesheet' type='text/css'>
<link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.7.0/css/all.css"
integrity="sha384-
lZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSSEsQp9S+oqd12jhcu+A56Ebc1zFSJ"
crossorigin="anonymous">
<script src="js/jquery.easing.min.js"></script>
<link href='http://fonts.googleapis.com/css?family=Open+Sans' rel='stylesheet'
type='text/css' />
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
</head>
<body>
<%
//Checking whether admin in session or not
if (session.getAttribute("uname") != null && session.getAttribute("uname") != "") {
%>
<jsp:include page="adminHeader.jsp"></jsp:include>
<div class="content-wrapper">
<div class="container">

```

```

<div class="row pad-botm">
    <div class="col-md-12">
        <h4 class="header-line">Add Product</h4>
    </div>
</div>
<%
String message = (String) session.getAttribute("message");
if (message != null) {
    session.removeAttribute("message");
%>
<div class="alert alert-danger" id="success">Product added successfully.</div>
<%
}
%>
<div class="row">
    <div class="col-md-12">
        <div class="panel panel-info">
            <div class="panel-heading">Add Product</div>
            <div class="panel-body">
                <form role="form" action="AddProducts" method="post"
                    enctype="multipart/form-data">
                    <div class="form-group">
                        <label>Enter Name</label> <input class="form-control"
type="text" name="pname" required />
                    </div>
                    <div class="form-group">
                        <label>Price</label> <input class="form-control" type="number"
name="price" required/>

```

```

</div>
<div class="form-group">
  <label>Description</label> <input class="form-control" type="text"
style="min-height: 100px;" name="description" required/>
</div>
<div class="form-group">
  <label>MRP Price</label> <input class="form-control"
type="number" name="mprice" required/>
</div>
<div class="form-group">
  <label>Status</label>
  <select class="form-control" name="status" required>
    <option>Active</option>
    <option>In-Active</option>
  </select>
</div>
<div class="form-group">
  <label>Product Category</label> <input class="form-control"
type="text" name="category" required/>
</div>
<div class="form-group">
  <label>Attach Product Image</label> <input type="file"
name="uploadLogo" required/>
</div>
<button type="submit" class="btn btn-success" onclick="return
confirm('Are you sure Do you want to add this product?');">Add Product</button>
<button type="reset" class="btn btn-danger">Reset</button>

```

```

        </form>
    </div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<jsp:include page="footer.jsp"></jsp:include>
    <script src="assets/js/jquery-1.10.2.js"></script>
    <script src="assets/js/bootstrap.js"></script>
    <script src="assets/js/custom.js"></script>
<%
    } else {
        response.sendRedirect("admin-login.jsp");
    }
%>
</body>
</html>

```

### **AdminAllOrders:**

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<%@ page import="com.connection.*"%>
<%@ page import="java.sql.*"%>
<!DOCTYPE html>
<html>
    <head>

```



```

<title>Online Shopping System</title>

<!-- Importing all ui libs -->

<link href="assets/css/bootstrap.css" rel="stylesheet" />

<link href="assets/css/font-awesome.css" rel="stylesheet" />

<link href="assets/css/style.css" rel="stylesheet" />

<link href="css/bootstrap.css" rel="stylesheet" type="text/css" media="all" />

<link href="css/style.css" rel="stylesheet" type="text/css" media="all" />

<script type="text/javascript" src="js/jquery-2.1.4.min.js"></script>

<script src="js/simpleCart.min.js"></script>

<script type="text/javascript" src="js/bootstrap-3.1.1.min.js"></script>

<link href='http://fonts.googleapis.com/css?family=Montserrat:400,700' rel='stylesheet'
type='text/css'>

<link
href='http://fonts.googleapis.com/css?family=Lato:400,100,100italic,300,300italic,400italic,7
00,900,900italic,700italic' rel='stylesheet' type='text/css'>

<link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.7.0/css/all.css"
integrity="sha384-
lZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSesQp9S+oqd12jhcu+A56Ebc1zFSJ"
crossorigin="anonymous">

<script src="js/jquery.easing.min.js"></script>

<link href='http://fonts.googleapis.com/css?family=Open+Sans' rel='stylesheet'
type='text/css' />

</head>

<body>

<%

//Checking whether admin in session or not

if (session.getAttribute("uname") != null && session.getAttribute("uname") != "") {

%>

<jsp:include page="adminHeader.jsp"></jsp:include>

<div class="content-wrapper">

```

```

<div class="container-fluid">
  <div class="row pad-botm">
    <div class="col-md-12">
      <h4 class="header-line">All Orders</h4>
    </div>
  </div>
  <div class="row">
    <div class="col-md-12 col-sm-12 col-xs-12">
      <div class="panel panel-success">
        <div class="panel-heading">All Orders</div>
        <div class="panel-body">
          <div class="table-responsive">
            <table class="table table-striped table-bordered table-hover">
              <thead>
                <tr>
                  <th>#</th>
                  <th>Order No</th>
                  <th>Customer Details</th>
                  <th>Product</th>
                  <th>Qty</th>
                  <th>Total Amount</th>
                  <th>Status</th>
                  <th>Order Date & Time</th>
                  <th>Payment Mode</th>
                  <th>Action</th>
                </tr>
              </thead>

```

```

        <%
            ResultSet resultOrders =
DatabaseConnection.getResultFromSqlQuery("select * from tblorders");
            while (resultOrders.next()) {
        %>
        <tbody>
            <tr>
                <td><%=resultOrders.getInt(1)%></td>
                <td><%=resultOrders.getInt(2)%></td>
                <td><%=resultOrders.getString(3)%>|<%=resultOrders.getString(4)%>|<%=resultOrders.get
String(5)%>|<%=resultOrders.getString(6)%>|<%=resultOrders.getString(7)%>|<%=resultO
rders.getString(8)%></td>
                <td><br><%=resultOrders.getString(10)%></td>
                <td><%=resultOrders.getString(11)%></td>
                <td><%=resultOrders.getString(14)%></td>
            <%
                if (resultOrders.getString(15).equals("Deliver")) {
        %>
                <td><span class="label label-success">Delivered</span></td>
            <%
                } else {
        %>
                <td><span class="label label-danger">Pending</span></td>
            <%
                }
    }

```

```

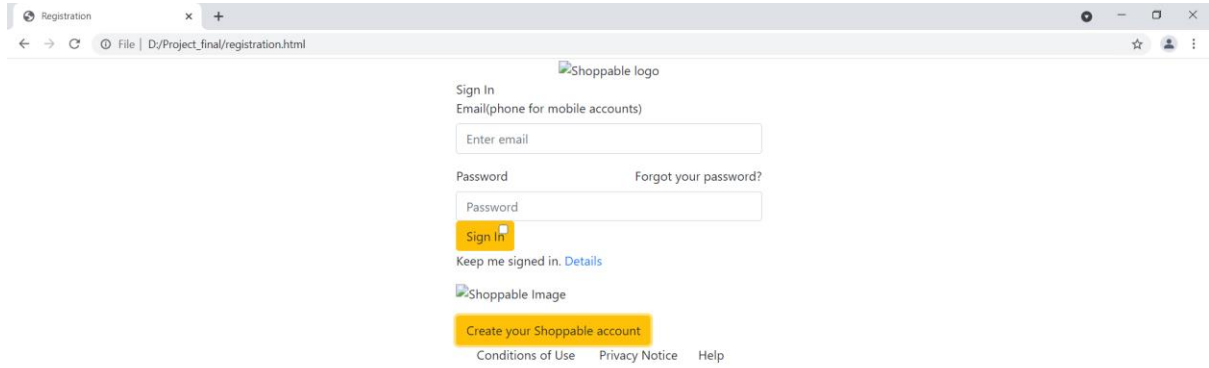
%>
<td><%=resultOrders.getString(16)%></td>
<td><%=resultOrders.getString(17)%></td>
<%
    if (resultOrders.getString(15).equals("Deliver")) {
%>
        <td><a
href="CustomerProductsOrderStatus?orderId=<%=resultOrders.getInt(2)%>"><button
class="btn btn-danger" onClick="return confirm('Are you sure, You want to change product
delivery status');">Pending</button></a></td>
        <%
        } else {
%>
        <td><a
href="CustomerProductsOrderStatus?orderId=<%=resultOrders.getInt(2)%>"><button
class="btn btn-primary" onClick="return confirm('Are you sure, You want to change product
delivery status?');">Deliver</button></a></td>
        <%
        }
%>
</tr>
</tbody>
<%
}
%>
</table>
</div>
</div>

```

```
        </div>
    </div>
</div>
</div>
</div>
<jsp:include page="footer.jsp"></jsp:include>
    <script src="assets/js/jquery-1.10.2.js"></script>
    <script src="assets/js/bootstrap.js"></script>
    <script src="assets/js/custom.js"></script>
<%
    } else {
        response.sendRedirect("admin-login.jsp");
    }
%>
</body>
</html>
```

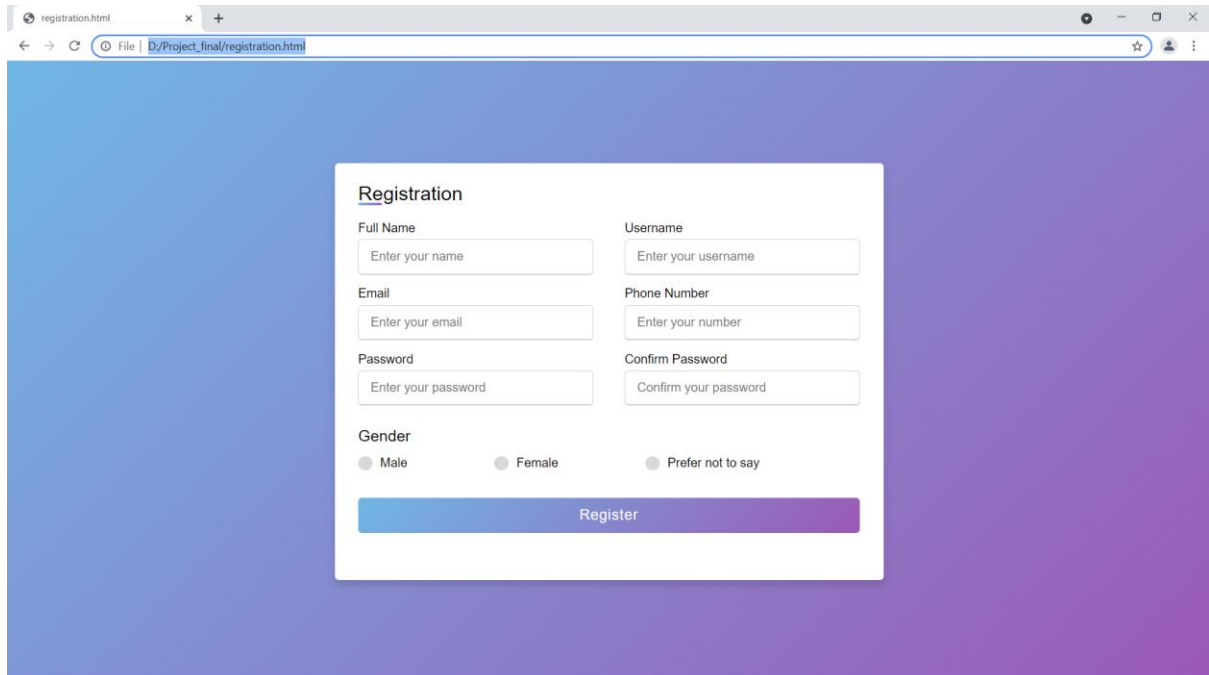
# Results

## Login Page:



The screenshot shows a web browser window with the address bar displaying 'D:/Project\_final/registration.html'. The page content includes a 'Shoppable logo' at the top. Below it, there is a 'Sign In' section with the following elements: a label 'Email(phone for mobile accounts)', an input field with the placeholder 'Enter email', a 'Password' label, a 'Forgot your password?' link, an input field with the placeholder 'Password', a yellow 'Sign In' button, and a 'Keep me signed in. Details' link. Below the sign-in section is a 'Shoppable Image' and a yellow 'Create your Shoppable account' button. At the bottom, there are links for 'Conditions of Use', 'Privacy Notice', and 'Help'.

## Registration Page:



The screenshot shows a web browser window with the address bar displaying 'D:/Project\_final/registration.html'. The page features a registration form centered on a purple-to-blue gradient background. The form is titled 'Registration' and contains the following fields and options: 'Full Name' (input field with placeholder 'Enter your name'), 'Username' (input field with placeholder 'Enter your username'), 'Email' (input field with placeholder 'Enter your email'), 'Phone Number' (input field with placeholder 'Enter your number'), 'Password' (input field with placeholder 'Enter your password'), and 'Confirm Password' (input field with placeholder 'Confirm your password'). Below these fields is a 'Gender' section with three radio button options: 'Male', 'Female', and 'Prefer not to say'. A large, horizontal 'Register' button is positioned at the bottom of the form.

## Future Scope

FICCI, (2012) stated that India's large No. of middle class peoples ,300 million individuals want products through online. 500 million people under the age of 25 have contact to more money that has moreover resulted in independence, aspirations and a demand for product. The Indian retail sector accounts for over 20% of the country's gross domestic product (GDP) and contributes 8% to total employment. The cumulative foreign direct investment (FDI) inflows in single brand retail trading, during April 2001 to June 2011, stood at 68.26 million USD. The current status and estimated value of the Indian retail sector is about 500 billion USD and is pegged to reach 1.3 trillion USD by 2019-2020. The diffusion level of modern retail currently 5% will increase 6% from the current 27 to 30 billion USD to 220 to 225 billion USD in 2020. The Indian retail sector is expected to grow at a CAGR of 10 to 20%. India is likely to have the second largest user base in the world, and the largest in growth, with 330 million to 360 million Internet users in 2015. India is on the verge of an Internet boom where users who access the Internet only through a mobile or tablet device will constitute around 70 percent of new users and 50 percent of the aggregate user base in 2015, leading to increasing demand. India has the latent to double its economic contribution from the Internet in the next five years, from 1.5 percent of GDP at present to 2.9 to 3.4 % by 2015. in spite of the large current base of users, the Internet currently contributes a modest ,nearby 2 percent to India's GDP. This could grow to 2.8 to 3.3 percent by 2015 if India achieves its likely for growth in the number of Internet users and Internet technology-related consumption and investment over this period, increasing the Internet input.

## **Conclusion**

With discussion of above it is clear that most of the consumers want to purchase the product from online. In the present environment the people have not so much time that they will visit in the stores and purchase the product. Online shop plays a greater role for those types of consumers who have no time and want to avoid the crowd. But still there are some points who affect the consumer's behavior about online shopping but overall in the next 5 to 10 years the online shop give a huge competition to the retailers. Because online consumers are rapidly increasing and if consumers increase than online shop will increase. In last it is clear that in future there is huge scope for online shop and online shopping. The consumers are more attracted towards online shopping.



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