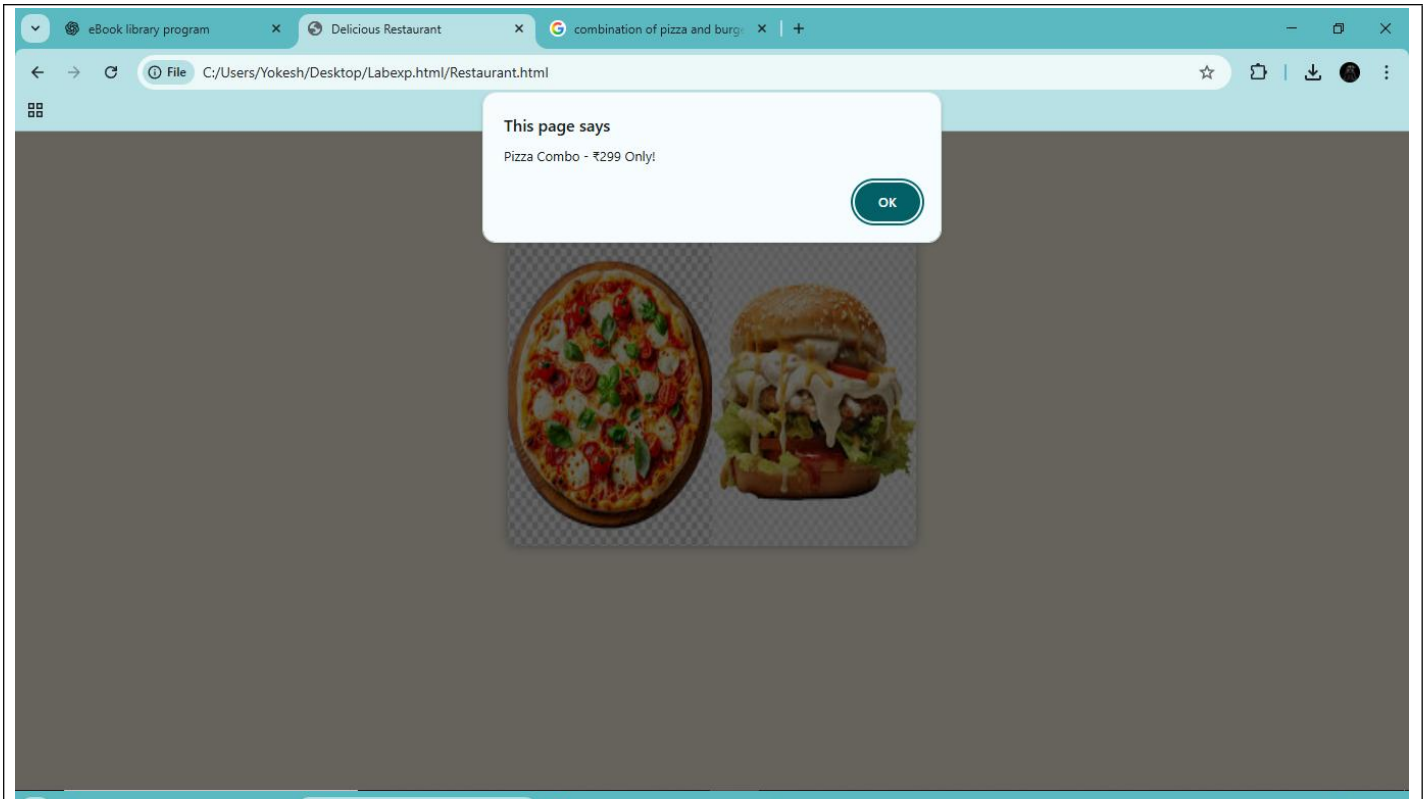
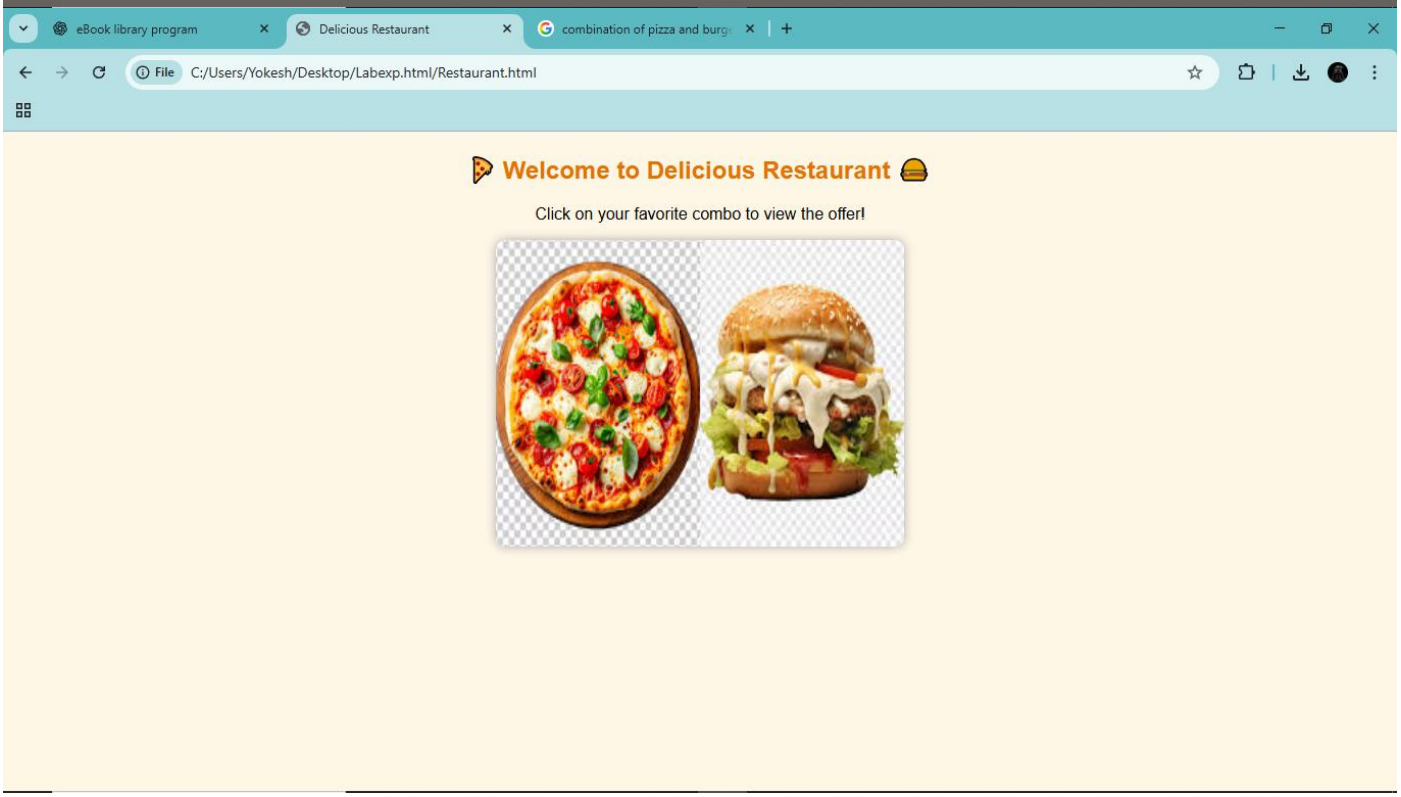
`1)
Restaurant.html

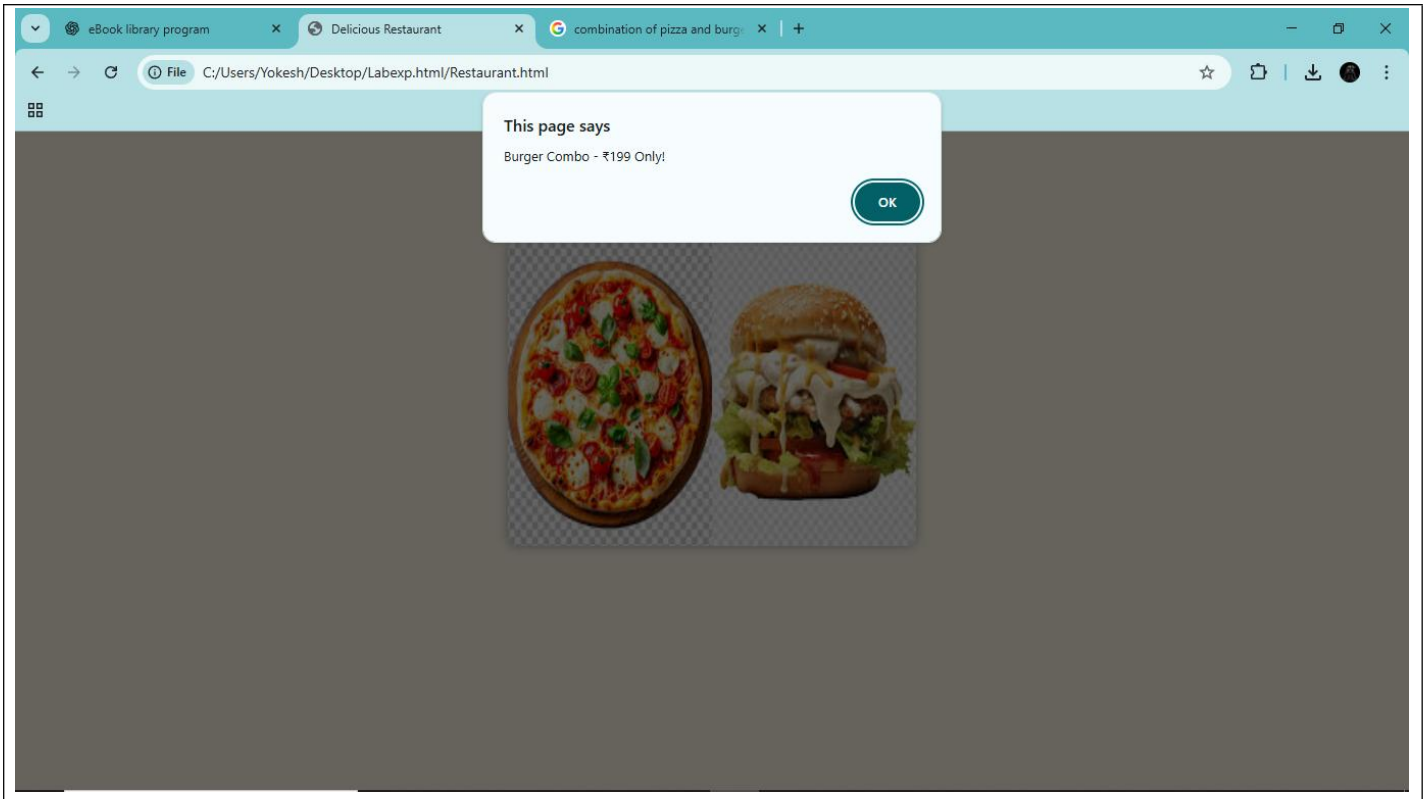
```
<!DOCTYPE html>
<html>
<head>
  <title>Delicious Restaurant</title>
  <style>
    body {
      font-family: Arial;
      background-color: #fff7e6;
      text-align: center;
    }
    h2 {
      color: #e67300;
    }
    img {
      border-radius: 10px;
      box-shadow: 0 0 10px #aaa;
    }
  </style>
</head>
<body>
  <h2>  Welcome to Delicious Restaurant  </h2>
  <p>Click on your favorite combo to view the offer!</p>

  <img src="food.jpg" usemap="#offers" width="400" height="300" alt="Food Menu">
  <map name="offers">
    <area shape="rect" coords="10,10,120,120" alt="Pizza Combo"
          onclick="alert('Pizza Combo - ₹299 Only!')">
    <area shape="rect" coords="150,10,270,120" alt="Burger Combo"
          onclick="alert('Burger Combo - ₹199 Only!')">
  </map>
</body>
</html>
```

OUTPUT


eBook library program
Delicious Restaurant
combination of pizza and burg
File
C:/Users/Yokesh/Desktop/Labexp.html/Restaurant.html
This page says
Pizza Combo - ₹299 Only!
OK


eBook library program
Delicious Restaurant
combination of pizza and burg
File
C:/Users/Yokesh/Desktop/Labexp.html/Restaurant.html
Welcome to Delicious Restaurant
Click on your favorite combo to view the offer!



1)College website

College.html

```
<!DOCTYPE html>
<html>
<head>
  <title>College Website</title>

  <!-- ✅ External Style Sheet -->
  <link rel="stylesheet" href="style.css">
  <!-- ✅ Embedded (Internal) Style Sheet -->
  <style>
    body {
      background-color: lightgrey;
      text-align: center;
    }
    h1 {
      color: darkblue;
    }
  </style>
</head>
<body>
  <h1>GCE Dharmapuri</h1>
  <p>Welcome to our college website!</p>
  <!-- ✅ Inline Style Sheet -->
  <h2 style="color: green;">Department of Computer Science</h2>
  <h2 style="color: green;">Department of ECE</h2>
  <h2 style="color: green;">Department of EEE</h2>
```

```
  <h2 style="color: green;">Department of Civil</h2>
  <h2 style="color: green;">Department of Mechanical</h2>
  <footer>
    <p>© 2025 GCE Dharmapuri</p>
  </footer>
</body>
</html>
```

Output

2) Digital library

Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Digital Library Login</title>
</head>
<body>
    <h2>Digital Library Login</h2>

    <form action="Library" method="post">
        <label for="username">Username:</label>
        <input type="text" id="username" name="username" required><br><br>

        <label for="password">Password:</label>
        <input type="password" id="password" name="password" required><br><br>
```

```
        <input type="hidden" name="session_count" value="0">

        <input type="submit" value="Login / Proceed">
    </form>
</body>
</html>
```

LibraryServelt.java

```
package com.example;

import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
public class LibraryServlet extends HttpServlet {

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

        response.setContentType("text/html");
        PrintWriter out = response.getWriter();

        // 1. Get input and the current session count from the Hidden Field
        String username = request.getParameter("username");
        String countStr = request.getParameter("session_count");

        int visitCount = 0;
        try {
            visitCount = Integer.parseInt(countStr);
        } catch (NumberFormatException e) {
            // Handle error case
        }

        // 2. Increment the session count for the current visit
        visitCount++;
        out.println("<!DOCTYPE html>");
        out.println("<html><head><title>Library Page</title></head><body>");

        out.println("<h2>Welcome, " + username + "!</h2>");

        // 3. Display the count tracked
        out.println("<h4>Session Tracking via Hidden Form Field:</h4>");
        out.println("<p>You have accessed this page *" + visitCount + "* time(s) in
this session.</p>");
        out.println("<hr>");

        // 4. Generate a new form with the updated count for the next request
        out.println("<p>Click 'Continue' to access the next page.</p>");
```

```
        out.println("<form action='Library' method='post'>");

        // Updated Hidden Field: Passes the new count and username for the next step
        out.println("<input type='hidden' name='username' value='" + username + "'>");
        out.println("<input type='hidden' name='session_count' value='" + visitCount +
"'>");

        out.println("<input type='submit' value='Continue'>");
        out.println("</form>");

        out.println("</body></html>");
    }
}
```

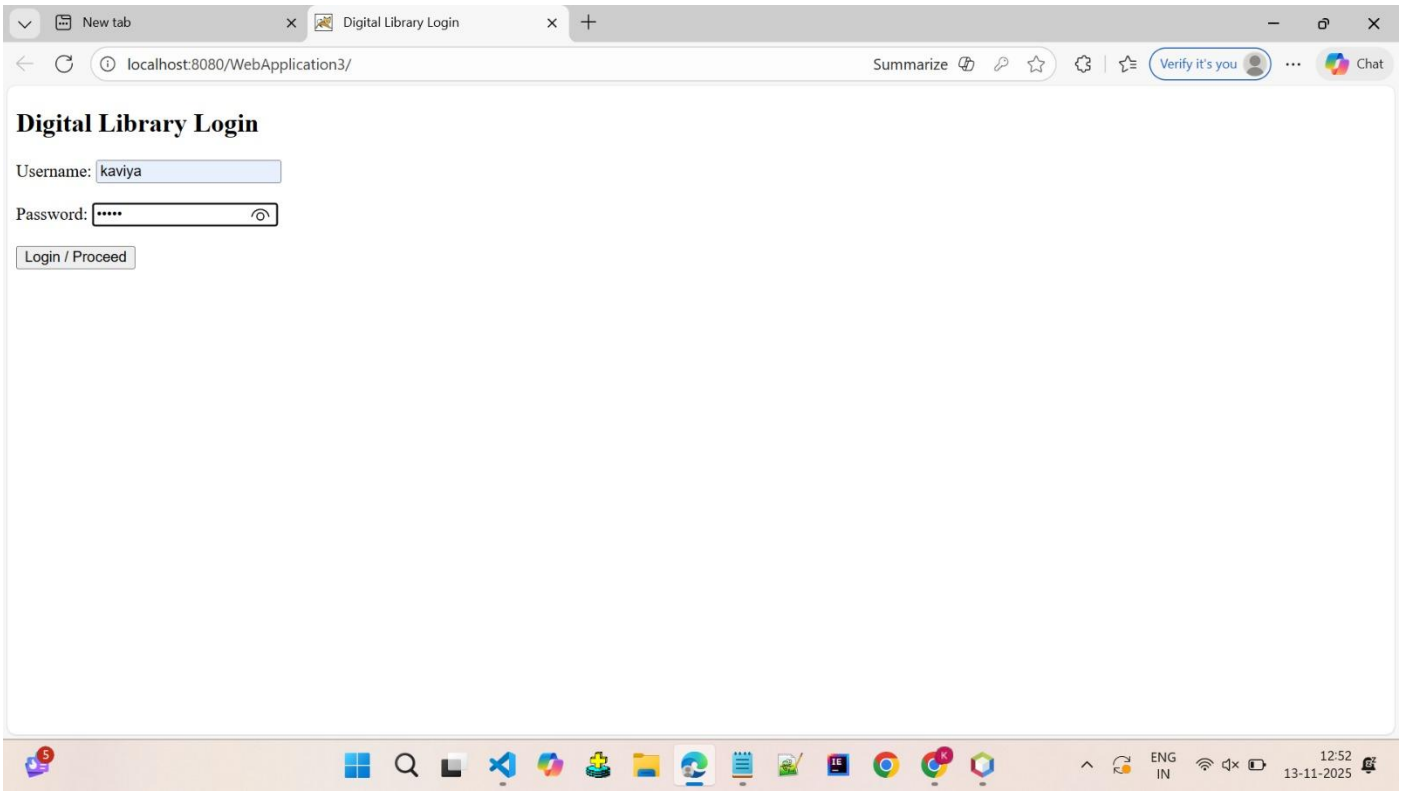
Web.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns="http://xmlns.jcp.org/xml/ns/javaee"
         xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
         xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
                             http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd"
         version="4.0">

    <servlet>
        <servlet-name>LibraryServlet</servlet-name>
        <servlet-class>com.example.LibraryServlet</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>LibraryServlet</servlet-name>
        <url-pattern>/Library</url-pattern>
    </servlet-mapping>

</web-app>
```

Output



3) Online University Exam

Database

```
-- Connect to your MySQL server and run these commands:

-- 1. Create the database
CREATE DATABASE universitydb;
USE universitydb;
-- 2. Create the table
CREATE TABLE students (
    student_id VARCHAR(10) PRIMARY KEY,
    student_name VARCHAR(100) NOT NULL,
    subject1_marks INT,
    subject2_marks INT,
    total_marks INT
);
-- 3. Insert sample data
INSERT INTO students (student_id, student_name, subject1_marks, subject2_marks,
total_marks) VALUES
('S1001', 'Alice Johnson', 85, 92, 177),
('S1002', 'Bob Williams', 78, 88, 166),
('S1003', 'Charlie Brown', 95, 80, 175);
```

Marklist.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
<%@ page import="java.sql.*" %>
<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <title>University Exam Results</title>
    <style>
        body { font-family: Arial, sans-serif; margin: 20px; }
        h1 { color: #004d99; }
        table { border-collapse: collapse; width: 60%; margin-top: 20px; }
        th, td { border: 1px solid #ddd; padding: 10px; text-align: left; }
        th { background-color: #f2f2f2; color: #333; }
        .error { color: red; font-weight: bold; }
    </style>
</head>
<body>
    <h1>Online Examination - Student Mark List</h1>

    <table border="1">
        <tr>
            <th>Student ID</th>
            <th>Name</th>
            <th>Subject 1</th>
            <th>Subject 2</th>
            <th>Total Marks</th>
        </tr>

        <%
        // --- JDCB Configuration (Update these values) ---
        final String JDBC_DRIVER = "com.mysql.cj.jdbc.Driver";
        final String DB_URL =
"jdbc:mysql://localhost:3306/universitydb?useSSL=false&serverTimezone=UTC";
        final String USER = "user";     // Your database username
        final String PASS = "password"; // Your database password

        Connection con = null;
        PreparedStatement ps = null;
        ResultSet rs = null;

        try {
            // 1. Load the JDBC Driver
            Class.forName(JDBC_DRIVER);

            // 2. Establish Connection
            con = DriverManager.getConnection(DB_URL, USER, PASS);

            // 3. Prepare and Execute SQL Query
```

```
            String sql = "SELECT student_id, student_name, subject1_marks,
subject2_marks, total_marks FROM students ORDER BY total_marks DESC";
            ps = con.prepareStatement(sql);
            rs = ps.executeQuery();
            // 4. Loop through the results and display the table rows
            while (rs.next()) {
                String id = rs.getString("student_id");
                String name = rs.getString("student_name");
                int s1 = rs.getInt("subject1_marks");
                int s2 = rs.getInt("subject2_marks");
                int total = rs.getInt("total_marks");
        %>

        <tr>
            <td><%= id %></td>
            <td><%= name %></td>
            <td><%= s1 %></td>
            <td><%= s2 %></td>
            <td><%= total %></td>
        </tr>

        <%
            } // End of while loop
        } catch (Exception e) {
            // 5. Handle Errors
            out.println("<tr><td colspan='5' class='error'>");
            out.println("DATABASE ERROR: Check connection details and JDBC driver.");
            out.println("<br>Error Message: " + e.getMessage());
            out.println("</td></tr>");
            e.printStackTrace();
        } finally {
            // 6. Close JDBC Resources Safely
            try { if (rs != null) rs.close(); } catch (SQLException e) { /* ignore */ }
            try { if (ps != null) ps.close(); } catch (SQLException e) { /* ignore */ }
            try { if (con != null) con.close(); } catch (SQLException e) { /* ignore
*/ }
        }
        %>
    </table>
</body>
</html>
```

4) India map

Indiamap.html

```
<!DOCTYPE html>
<html>
    <head>
        <title>Hotspot Creation</title>
        <meta charset="UTF 8">
        <meta name="viewport" content="width=devide-width,initial-scale=1.0">
    </head>
    <body>
        <h2 align="center">Click on the map to know about places</h2>
        <img src="indiamap.png" alt="India map" usemap="#places">
        <map name="places">
            <area shape="'rect" coords="329,965,389,989" title="Tamil Nadu" alt="Tamil
Nadu" href="tamilnadu.html">
            <area shape="'rect" coords="333,325,415,351" title="Delhi" alt="Delhi"
href="Delhi.html">
            <area shape="'rect" coords="645,547,719,593"itle="Calcutta" alt="Calcutta"
href="Calcutta.html">
        </map>
    </body>
</html>
```

Tamilnadu.html

```
<!DOCTYPE html>
<html>
    <head>
        <title>Tamil Nadu</title>
    </head>
    <body bgcolor="skyblue">
        <font face="Times New Roman" size="5" color="Black">
            <center>
                <h2>Chennai is the capital of TamilNadu</h2>
                <p>Many IT companies are located  in chennai</p>
            </center>
            <br>
            <a href="IndiaMap.html">Home</a>
        </font>
    </body>
</html>
```

Delhi.html

```
<!DOCTYPE html>
<html>
    <head>
        <title>Delhi</title>
```

```
    </head>
    <body bgcolor="skyblue">
        <font face="Arial" size="5" color="Black">
            <center>
                <h2>Delhi is the capital of India</h2>
                <p>Many IT companies are located in Delhi</p>
            </center>
            <br>
            <a href="IndiaMap.html">Home</a>
        </font>
    </body>
</html>
```

Calcutta.html

```
<!DOCTYPE html>
<html>
    <head>
        <title>Calcutta</title>
    </head>
    <body bgcolor="skyblue">
        <font face="Times New Roman" size="5" color="Black">
            <center>
                <h2>Calcutta is the capital of West Bengal</h2>
                <p>It is a wealthy city and is famous for the Sundarban Forests</p>
            </center>
            <br>
            <a href="IndiaMap.html">Home</a>
        </font>
    </body>
</html>
```

Output

eBook library program | Hotspot Creation | combination of pizza and burg

File C:/Users/Yokesh/Desktop/Labexp.html/Indiamap.html

Click on the map to know about places

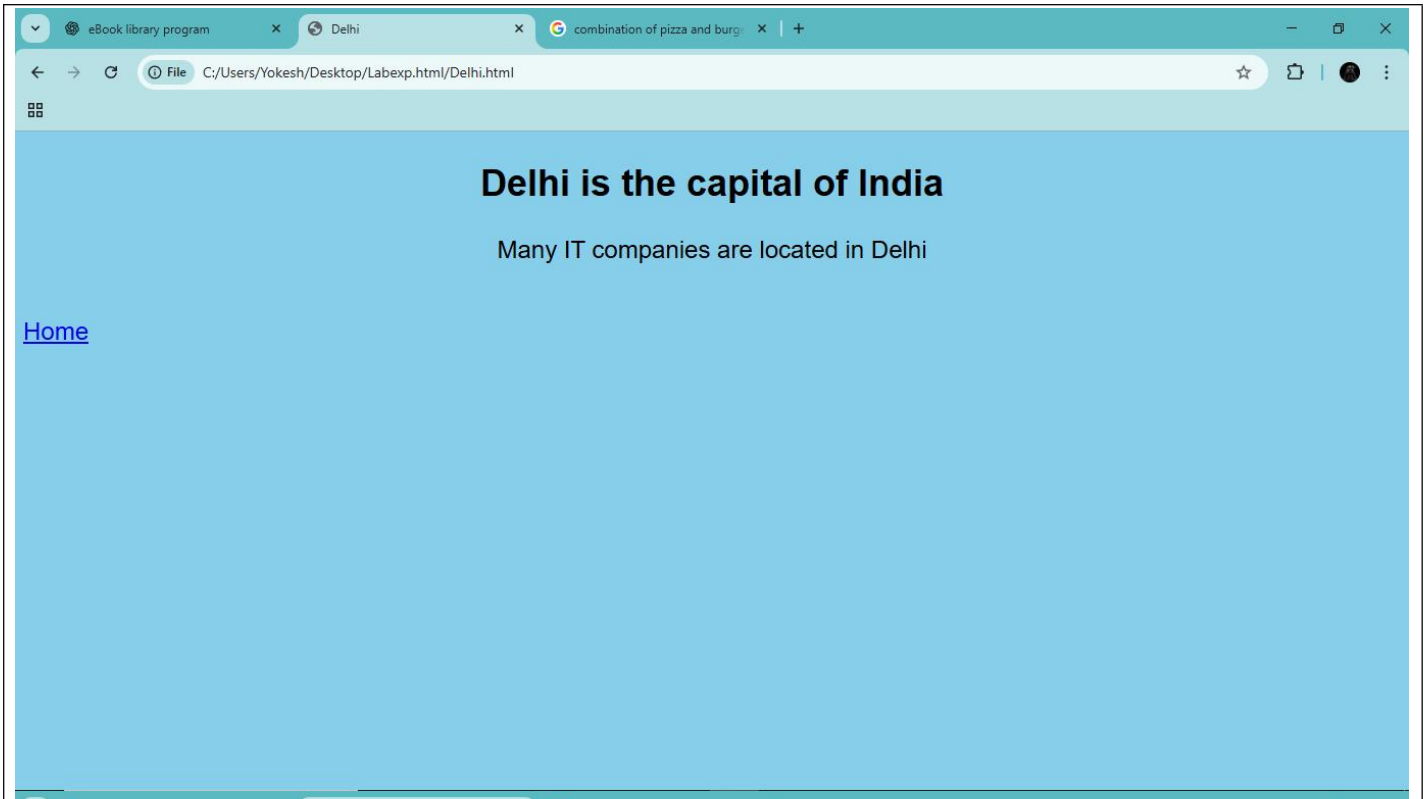
eBook library program | Tamil Nadu | combination of pizza and burg

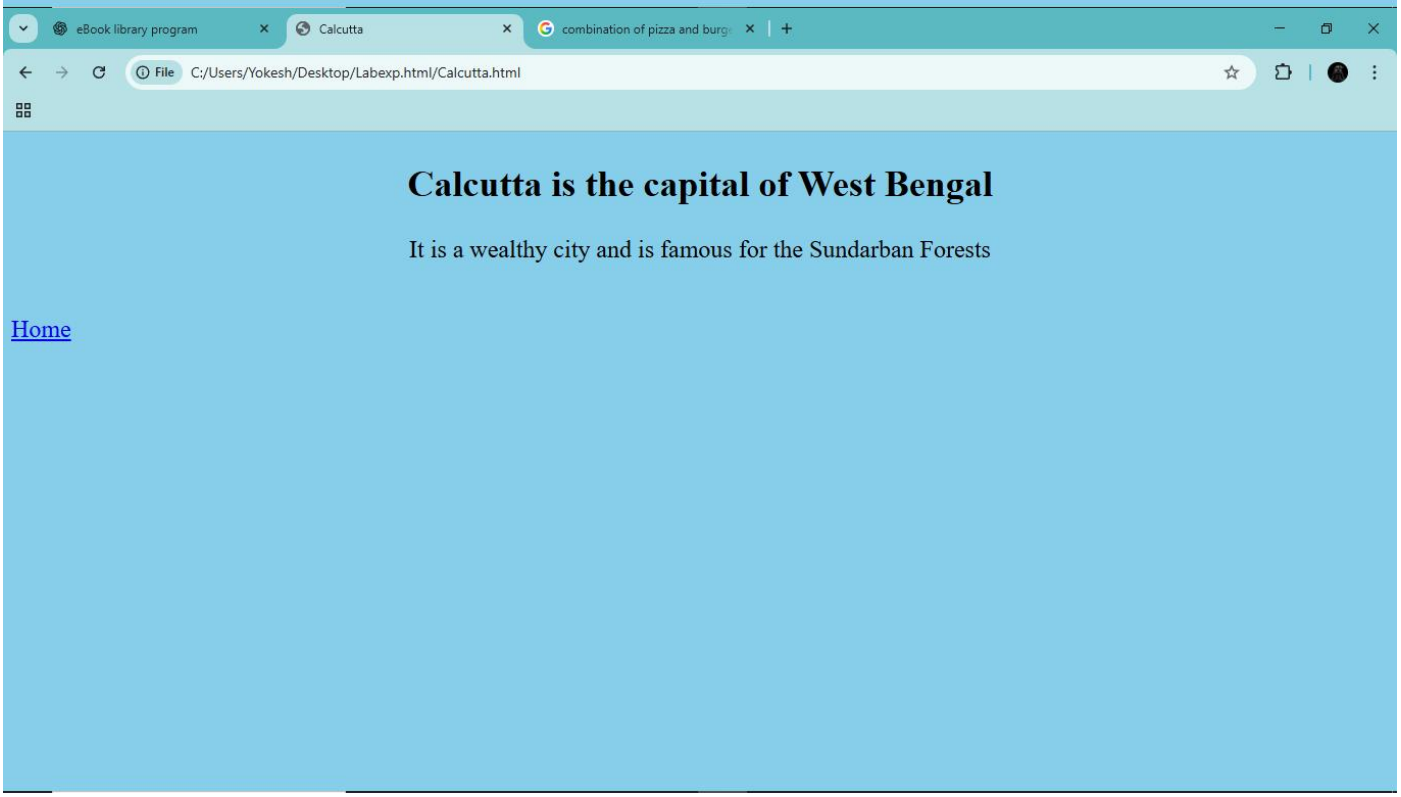
File C:/Users/Yokesh/Desktop/Labexp.html/tamilnadu.html

Chennai is the capital of TamilNadu

Many IT companies are located in chennai

Home


eBook library program
Delhi
combination of pizza and burg
File
C:/Users/Yokesh/Desktop/Labexp.html/Delhi.html
Delhi is the capital of India
Many IT companies are located in Delhi
Home


eBook library program
Calcutta
combination of pizza and burg
File
C:/Users/Yokesh/Desktop/Labexp.html/Calcutta.html
Calcutta is the capital of West Bengal
It is a wealthy city and is famous for the Sundarban Forests
Home

5) Online banking application

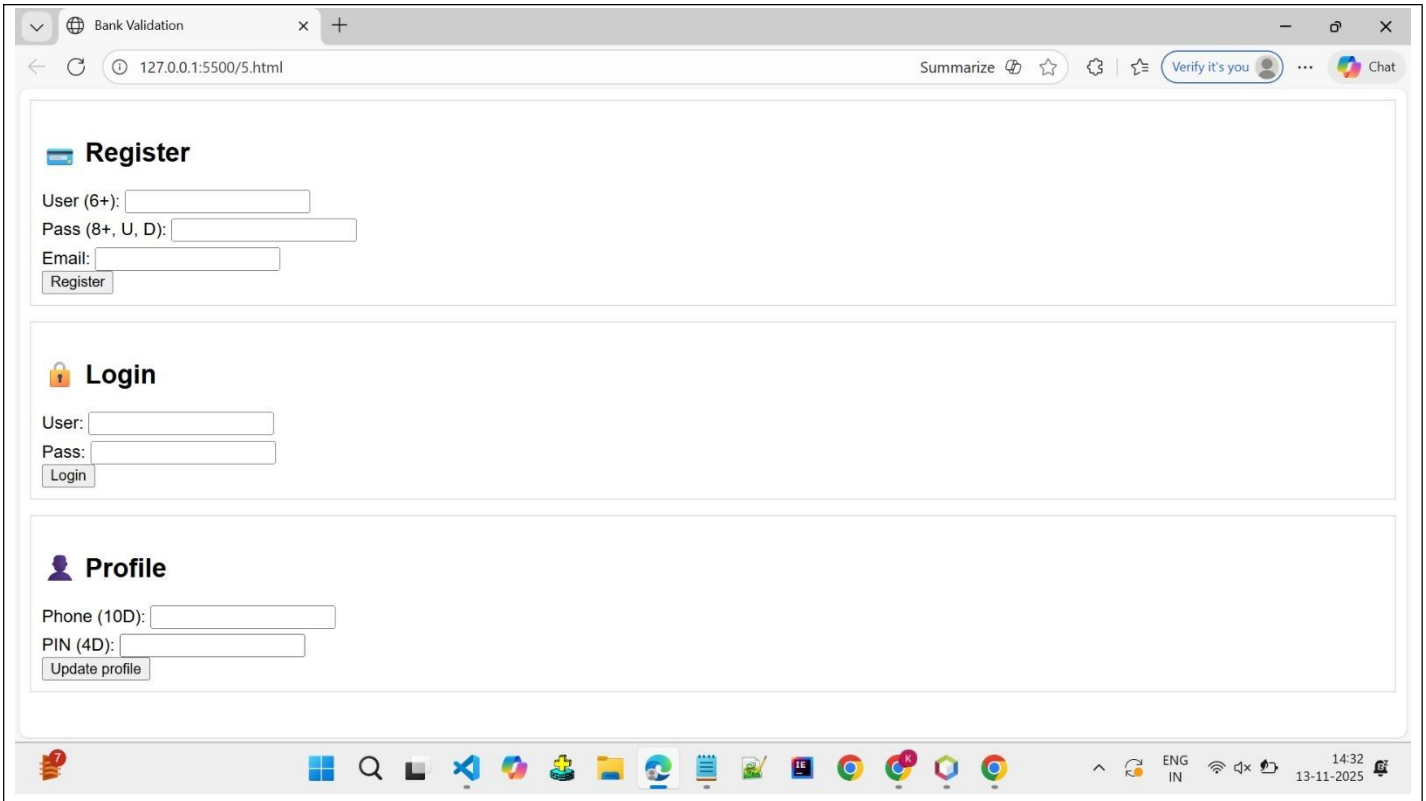
Bank.html

```
<!DOCTYPE html>
<html>
<head>
    <title>Bank Validation</title>
    <style>
        body { font-family: sans-serif; margin: 10px; }
        div { border: 1px solid #ccc; padding: 10px; margin-bottom: 15px; }
        label { display: block; margin-top: 5px; }
    </style>
</head>
<body>

    <div><h2>  Register</h2>
        <form onsubmit="return validateRegistration()">
            <label>User (6+): <input id="regUsername" required></label>
            <label>Pass (8+, U, D): <input type="password" id="regPassword"
required></label>
            <label>Email: <input type="email" id="regEmail" required></label>
            <input type="submit" value="Register">
        </form>
    </div>
    <div><h2>  Login</h2>
        <form onsubmit="return validateLogin()">
            <label>User: <input id="loginUsername" required></label>
            <label>Pass: <input type="password" id="loginPassword" required></label>
            <input type="submit" value="Login">
        </form>
    </div>
    <div><h2>  Profile</h2>
        <form onsubmit="return validateProfile()">
            <label>Phone (10D): <input id="profilePhone" required></label>
            <label>PIN (4D): <input type="password" id="profilePin" required></label>
            <input type="submit" value="Update profile">
        </form>
    </div>
    <script>
        // 1. Registration: 6+ user, 8+ pass (1 upper, 1 digit), valid email
        function validateRegistration() {
            const user = document.getElementById('regUsername').value,
                  pass = document.getElementById('regPassword').value,
                  email = document.getElementById('regEmail').value;
            let errors = [];
            if (user.length < 6) errors.push("User must be 6+ chars.");
            if (!/^(?=.[A-Z])(?=.\d).{8,}$/.test(pass)) errors.push("Pass needs 8+,
upper, digit.");
            if (!/^[^\s@]+@[^\s@]+\.[^\s@]+$/.test(email)) errors.push("Invalid
email.");
```

```
            if (errors.length > 0) {
                alert("Reg Failed:\n" + errors.join('\n'));
                return false;
            }
            alert(" registration Success! (Blocked)");
            return false;
        }
        // 2. Login: Not empty
        function validateLogin() {
            const user = document.getElementById('loginUsername').value,
                  pass = document.getElementById('loginPassword').value;
            if (user.trim() === "" || pass.trim() === "") {
                alert("Login Failed: Fields empty.");
                return false;
            }
            alert("Login validated. (Blocked)");
            return false;
        }
        // 3. Profile: Phone (10 digits), PIN (4 digits)
        function validateProfile() {
            const phone = document.getElementById('profilePhone').value,
                  pin = document.getElementById('profilePin').value;
            let errors = [];
            if (!/^\d{10}$/.test(phone)) errors.push("Phone must be 10 digits.");
            if (!/^\d{4}$/.test(pin)) errors.push("PIN must be 4 digits.");
            if (errors.length > 0) {
                alert("Profile Failed:\n" + errors.join('\n'));
                return false;
            }
            alert("Profile validated. (Blocked)");
            return false;
        }
    </script>
</body>
</html>
```

Output:



6) Shopping

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <title>Minimal Catalog</title>

    <style>
        /* General styling for the page */
        body { font-family: sans-serif; margin: 15px; }
        header { background-color: #eee; padding: 10px; text-align: center; }

        /* Product card styling */
        .product-card {
            border: 1px solid #ccc;
            padding: 10px;
            margin: 10px;
            display: inline-block; /* Minimal layout */
            width: 30%; /* Three cards per row (approx) */
        }

        /* Unique styling for the featured item */
        #featured-product {
            border: 2px solid red;
            background-color: #ffdddd;
            display: block; /* Takes full width */
            width: auto;
        }
    </style>
</head>
```

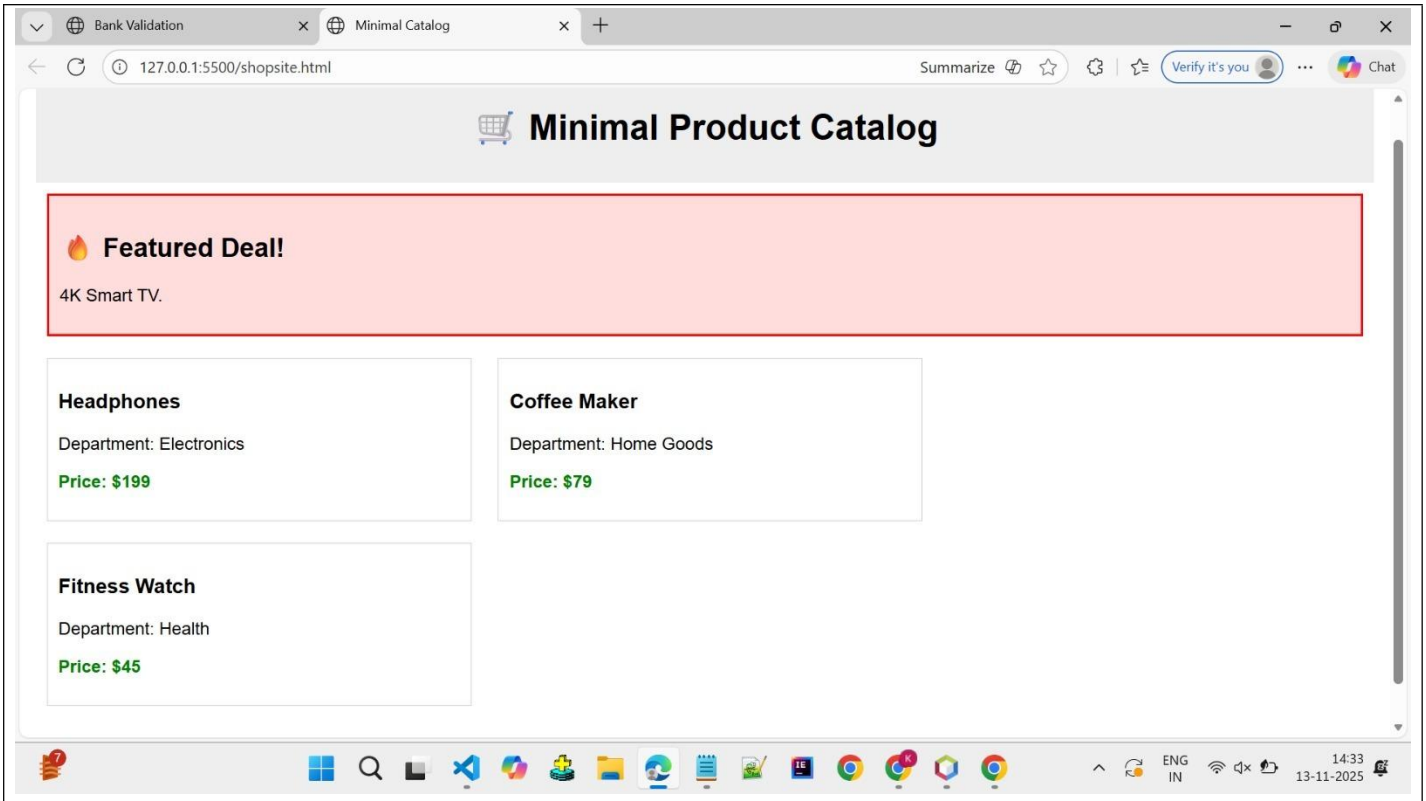
```
<body>
    <header>
        <h1>  Minimal Product Catalog</h1>
    </header>
    <div id="featured-product" class="product-card">
        <h2>  Featured Deal!</h2>
        <p>4K Smart TV.</p>
    </div>
    <div class="product-card">
        <h3>Headphones</h3>
        <p>Department: Electronics</p>

        <p style="color: green; font-weight: bold;">Price: $199</p>
    </div>
    <div class="product-card">
        <h3>Coffee Maker</h3>
        <p>Department: Home Goods</p>

        <p style="color: green; font-weight: bold;">Price: $79</p>
    </div>
    <div class="product-card">
        <h3>Fitness Watch</h3>
        <p>Department: Health</p>

        <p style="color: green; font-weight: bold;">Price: $45</p>
    </div>
    <footer>
        <p style="margin-top: 20px;">&copy; 2025 Catalog.</p>
    </footer>
</body>
</html>
```

Output



7) Tomcat and University

Login.html

```
<!DOCTYPE html>
<html>
<head><title>Student Login</title></head>
<body>
    <h2>Student Login</h2>
    <form action="Login" method="post">
        ID: <input type="text" name="studentId" required><br><br>
        Pass: <input type="password" name="password" required><br><br>
        <input type="submit" value="Login">
    </form>
</body>
</html>
```

loginServlet.java

```
package com.university;

import java.io.IOException;
import javax.servlet.http.*;
import javax.servlet.ServletException;
public class LoginServlet extends HttpServlet {

    // Dummy validation for S101/123
    private boolean validateCredentials(String studentId, String password) {
        return "123".equals(password) && studentId != null && !studentId.isEmpty();
    }
```

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

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

        if (validateCredentials(studentId, password)) {
            // Create and add Cookie (Session tracking)
            Cookie studentCookie = new Cookie("student_id", studentId);
            studentCookie.setMaxAge(60 * 30); // 30 minutes
            response.addCookie(studentCookie);

            response.sendRedirect("dashboard.jsp"); // Redirect to content

        } else {
            response.sendRedirect("login.html?error=invalid"); // Redirect back
        }
    }
}
```

Dashboard.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8" %>
<%
    String studentId = null;

    // Check for the Session Cookie
    Cookie[] cookies = request.getCookies();
    if (cookies != null) {
        for (Cookie cookie : cookies) {
            if (cookie.getName().equals("student_id")) {
                studentId = cookie.getValue();
                break;
            }
        }
    }

    // If no valid cookie, redirect to login
    if (studentId == null) {
        response.sendRedirect("login.html");
        return;
    }

    // --- Display Dynamic Data ---
    String curriculum = "CS, MA, PH";
    String examSchedule = "CS: 25-Nov, MA: 27-Nov";
    String results = "CS: A, MA: B+";
%>
<!DOCTYPE html>
<html>
<head><title>Dashboard</title></head>
<body>
```

```
    <a href="Logout">Logout</a>
    <h1>Welcome, <%= studentId %></h1>

    <h3>Curriculum</h3><p><%= curriculum %></p>
    <h3>Schedule</h3><p><%= examSchedule %></p>
    <h3>Results</h3><p><%= results %></p>

</body>
</html>
```

logoutServlet.java

```
package com.university;

import java.io.IOException;
import javax.servlet.http.*;
import javax.servlet.ServletException;
public class LogoutServlet extends HttpServlet {

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

        // Delete the tracking Cookie
        Cookie studentCookie = new Cookie("student_id", "");
        studentCookie.setMaxAge(0);
        response.addCookie(studentCookie);

        response.sendRedirect("login.html?msg=loggedout");
    }
}
```

Web.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app version="4.0" xmlns="http://xmlns.jcp.org/xml/ns/javaee">
    <servlet><servlet-name>LoginServlet</servlet-name><servlet-
class>com.university.LoginServlet</servlet-class></servlet>
    <servlet-mapping><servlet-name>LoginServlet</servlet-name><url-
pattern>/Login</url-pattern></servlet-mapping>

    <servlet><servlet-name>LogoutServlet</servlet-name><servlet-
class>com.university.LogoutServlet</servlet-class></servlet>
    <servlet-mapping><servlet-name>LogoutServlet</servlet-name><url-
pattern>/Logout</url-pattern></servlet-mapping>
</web-app>
```

8) Airway
Database

```
CREATE DATABASE airwaydb;
USE airwaydb;
CREATE TABLE flights (
    flight_number VARCHAR(10) PRIMARY KEY,
    origin VARCHAR(50),
    destination VARCHAR(50),
    available_seats INT,
    fare DECIMAL(10, 2)
);
INSERT INTO flights VALUES
('AI101', 'DELHI', 'MUMBAI', 50, 4500.00),
('6E505', 'MUMBAI', 'BANGALORE', 12, 3200.50),
('UK707', 'KOLKATA', 'MUMBAI', 0, 6150.00);
```

Flights.jsp

```
<%@ page import="java.sql.*" %>
<html><body>
    <h2>Flight Search</h2>
    <%
        String origin = request.getParameter("origin");
        String destination = request.getParameter("destination");
    %>

    <form action="flights.jsp" method="get">
        From: <input type="text" name="origin" required value="<%= origin != null ?
origin : "" %>">
        To: <input type="text" name="destination" required value="<%= destination !=
null ? destination : "" %>">
        <input type="submit" value="Search">
    </form>
    <% if (origin != null && !origin.isEmpty()) {
        final String DRIVER = "com.mysql.cj.jdbc.Driver";
        final String URL = "jdbc:mysql://localhost:3306/airwaydb";
        final String USER = "user";     // <--- CHANGE THIS
        final String PASS = "password"; // <--- CHANGE THIS
        Connection con = null; PreparedStatement ps = null; ResultSet rs = null;

        try {
            Class.forName(DRIVER);
            con = DriverManager.getConnection(URL, USER, PASS);
            String sql = "SELECT flight_number, fare, available_seats FROM flights
WHERE origin = ? AND destination = ?";
            ps = con.prepareStatement(sql);
            ps.setString(1, origin.toUpperCase());
            ps.setString(2, destination.toUpperCase());
            rs = ps.executeQuery();
    %>
```

```
    <h3>Results:</h3>
    <table border="1">
        <tr><th>Flight No.</th><th>Fare (₹)</th><th>Availability</th></tr>

        <%
        boolean found = false;
        while (rs.next()) {
            found = true;
            int seats = rs.getInt("available_seats");
        %>

        <tr>
            <td><%= rs.getString("flight_number") %></td>
            <td><%= rs.getDouble("fare") %></td>
            <td><%= seats > 0 ? seats + " Available" : "Booked Out" %></td>
        </tr>

        <% }
        if (!found) { %> <tr><td colspan='3'>No flights found.</td></tr> <% } %>
    </table>

    <%
        } catch (Exception e) {
            out.println("<p style='color:red;'>DB ERROR.</p>");
        } finally {
            // Minimal resource closing
            try { if (con != null) con.close(); } catch (Exception e) {}
        }
    } %>
</body>
</html>
```

9) Tourist places
Tourist.html

```
<?xml version="1.0" encoding="UTF-8"?>
<touristData>
    <place name="TAJ
MAHAL"><city>Agra</city><state>UP</state><desc>Mausoleum.</desc></place>
    <place name="RED
FORT"><city>Delhi</city><state>Delhi</state><desc>Fort.</desc></place>
    <place name="GOLDEN
TEMPLE"><city>Amritsar</city><state>Punjab</state><desc>Gurdwara.</desc></place>
</touristData>
```

Xmlfinder.jsp

```
<%@ page import="java.io.File, javax.xml.parsers., org.w3c.dom., java.util.Locale" %>
<html><body>
    <h2>XML Place Finder</h2>
    <% String search = request.getParameter("placeName"); %>

    <form action="xml_finder.jsp" method="get">
        Name: <input type="text" name="placeName" required value="<%= search != null ?
search : "" %>">
        <input type="submit" value="Search">
    </form>
    <% if (search != null && !search.isEmpty()) {
        String normSearch = search.trim().toUpperCase(Locale.ROOT);
        boolean found = false;

        try {
            String path = application.getRealPath("tourist_places.xml");
            File xmlFile = new File(path);

            DocumentBuilderFactory factory = DocumentBuilderFactory.newInstance();
            DocumentBuilder builder = factory.newDocumentBuilder();
            Document doc = builder.parse(xmlFile);
            NodeList nList = doc.getElementsByTagName("place");
            for (int i = 0; i < nList.getLength(); i++) {
                Element e = (Element) nList.item(i);
                String placeName = e.getAttribute("name");
                if (placeName.equalsIgnoreCase(normSearch)) {
                    found = true;
                    String city =
e.getElementsByTagName("city").item(0).getTextContent();
                    String state =
e.getElementsByTagName("state").item(0).getTextContent();
                    String desc =
e.getElementsByTagName("desc").item(0).getTextContent();
    %>
                    <hr>
                    <b>Found: <%= placeName %></b><br>
                    City: <%= city %><br>
                    State: <%= state %><br>
                    Desc: <%= desc %><br>
    <%
                    break;
                }
            }
            if (!found) { out.println("<p style='color:red;'>Place not found.</p>"); }
        } catch (Exception e) {
            out.println("<p style='color:red;'>ERROR: XML file missing or
malformed.</p>");
        }
    } %>
</body></html>
```

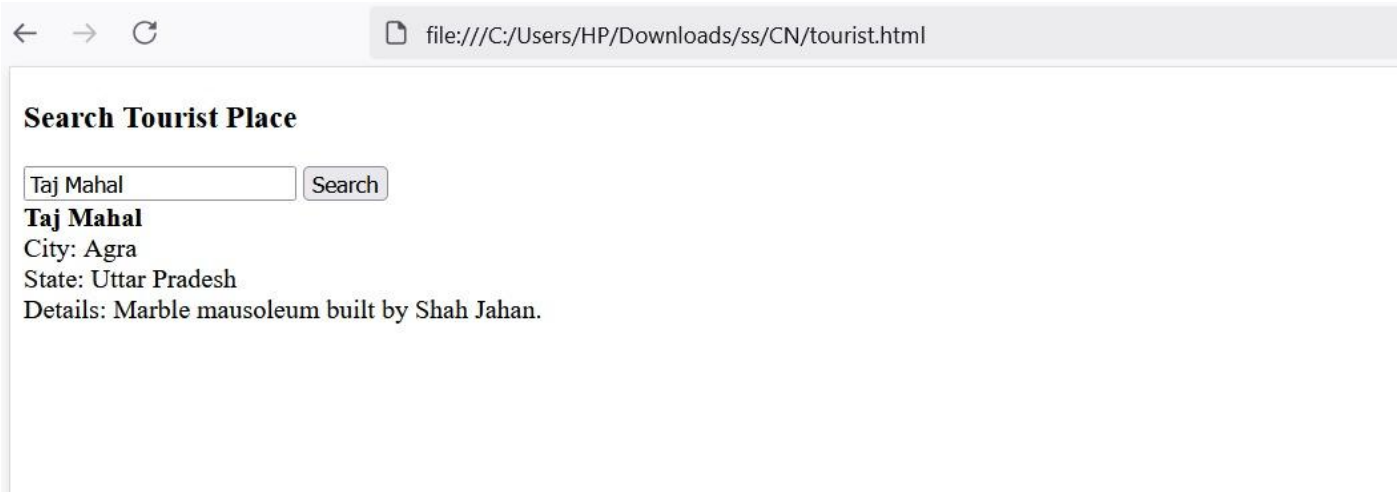
10 and 1(1) are same

10) Online supermarket

```
11th :


<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Online Supermarket</title>
<script>
function
show(id){document.querySelectorAll(".page").forEach(p=>p.style.display="none");documen
t.getElementById(id).style.display="block";}
function validateForm(f){for(let e of
f.querySelectorAll("input[required]"))if(!e.value)return alert("Please fill all
fields"),false;alert("Form submitted!");show('confirm');return false;}
</script>
<style>body{font-family:Arial;text-align:center}form{margin:20px
auto;width:250px}input,select{width:100%;margin:5px 0}</style>
</head>
<body onload="show('home')">
<h2>Online Supermarket</h2>
<nav><button onclick="show('home')">Home</button><button
onclick="show('reg')">Register</button><button
onclick="show('login')">Login</button><button
onclick="show('groceries')">Groceries</button><button
onclick="show('pay')">Payment</button></nav>
<div id="home" class="page"><h3>Welcome to FreshMart!</h3><p>Your one-stop online
grocery store.</p></div>
<div id="reg" class="page" style="display:none">
<h3>Registration</h3>
<form onsubmit="return validateForm(this)">
<input placeholder="Name" required><input placeholder="Email" required><input
type="password" placeholder="Password" required><button>Register</button>
</form></div>
<div id="login" class="page" style="display:none">
<h3>User Login</h3>
<form onsubmit="return validateForm(this)">
<input placeholder="Email" required><input type="password" placeholder="Password"
required><button>Login</button>
</form></div>
<div id="groceries" class="page" style="display:none">
<h3>Groceries List</h3>
<form onsubmit="return validateForm(this)">
<select required><option value="">Select
Item</option><option>Rice</option><option>Milk</option><option>Fruits</option></select
>
<input type="number" placeholder="Quantity" required><button>Order</button>
```

```
</form></div>
<div id="pay" class="page" style="display:none">
<h3>Online Payment</h3>
<form onsubmit="return validateForm(this)">
<input placeholder="Card Number" required><input placeholder="Expiry Date"
required><input placeholder="CVV" required><button>Pay</button>
</form></div>
<div id="confirm" class="page" style="display:none"><h3>Order Confirmed!</h3><p>Thank
you for shopping with us.</p></div>
</body>
</html>
```



Home | Register | Login | Groceries | Payment

Groceries List

Online Supermarket

Home | Register | Login | Groceries | Payment

User Login

shob@gmail.com

••••••••

Login

Online Supermarket

Home | Register | Login | Groceries | Payment

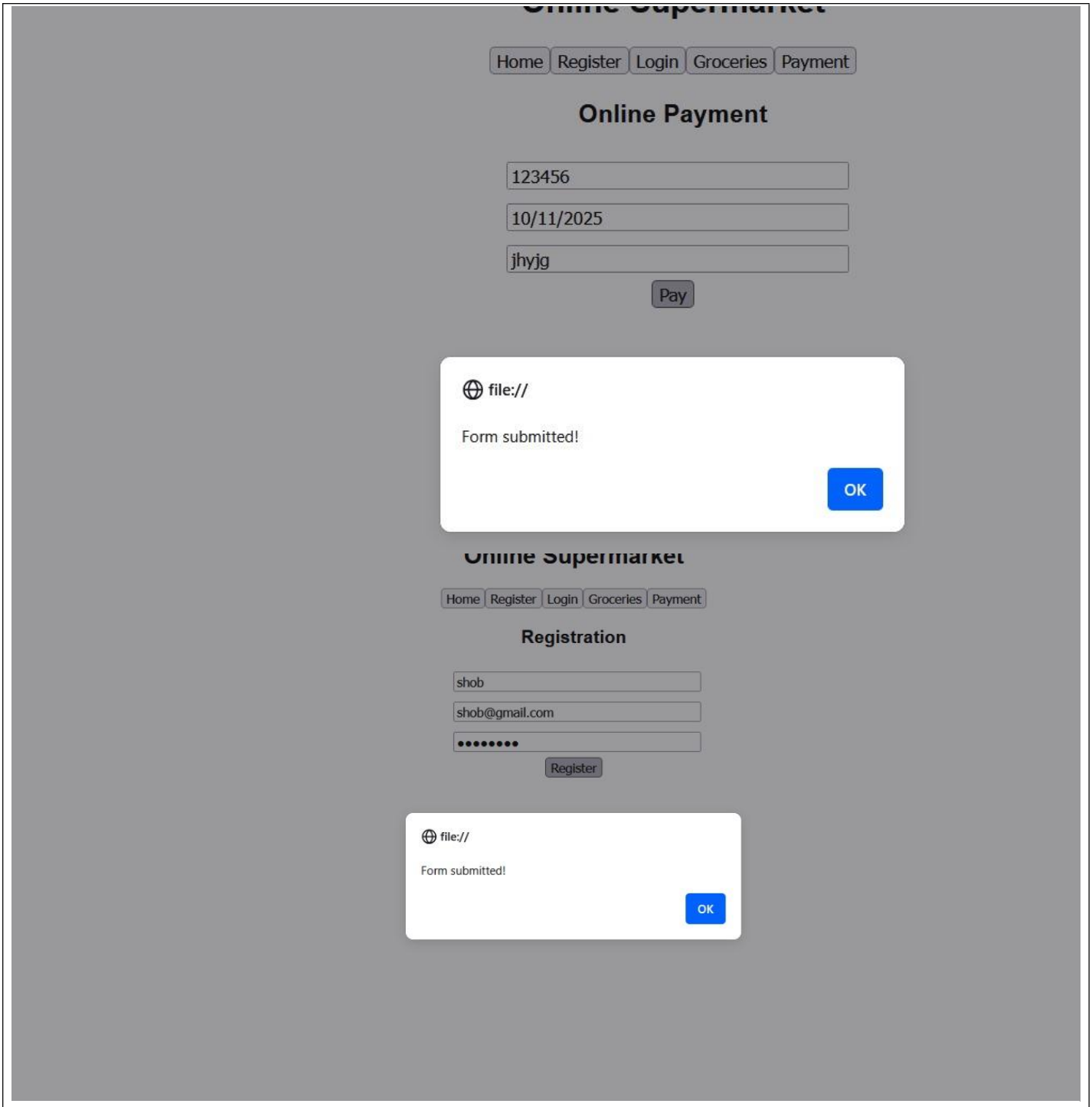
Online Payment

123456

10/11/2025

jhyjg

Pay



Online Supermarket

Home Register Login Groceries Payment

Order Confirmed!

Thank you for shopping with us.

12.Payroll

Db

```
CREATE DATABASE payroll_db;
USE payroll_db;
CREATE TABLE employees (
    employee_id VARCHAR(10) PRIMARY KEY,
    employee_name VARCHAR(100),
    designation VARCHAR(50),
    basic_salary DECIMAL(10, 2),
    hra DECIMAL(10, 2),
    total_salary DECIMAL(10, 2)
);
INSERT INTO employees VALUES
('E101', 'Anand Varma', 'Engineer', 50000.00, 10000.00, 60000.00),
('E102', 'Priya Singh', 'Manager', 75000.00, 15000.00, 90000.00);
```

Payroll.jsp

```
<%@ page import="java.sql.*" %>
<html><body>
    <h2>Employee Payroll</h2>
    <table border="1">
        <tr>
            <th>ID</th><th>Name</th><th>Designation</th><th>Basic</th><th>Total</th>
        </tr>

        <%
        // JDBC Config (CHANGE USER/PASS)
        final String DRIVER = "com.mysql.cj.jdbc.Driver";
        final String URL = "jdbc:mysql://localhost:3306/payroll_db";
        final String USER = "user";
        final String PASS = "password";
        Connection con = null; Statement stmt = null; ResultSet rs = null;

        try {
            Class.forName(DRIVER);
            con = DriverManager.getConnection(URL, USER, PASS);
            String sql = "SELECT employee_id, employee_name, designation, basic_salary,
total_salary FROM employees";
            stmt = con.createStatement();
            rs = stmt.executeQuery(sql);

            while (rs.next()) {
        %>

        <tr>
            <td><%= rs.getString("employee_id") %></td>
            <td><%= rs.getString("employee_name") %></td>
            <td><%= rs.getString("designation") %></td>
```

```
            <td><%= rs.getDouble("basic_salary") %></td>
            <td><%= rs.getDouble("total_salary") %></td>
        </tr>

        <%
            } // End loop
        } catch (Exception e) {
            out.println("<tr><td colspan='5' style='color:red;'>DB ERROR: Check
connection.</td></tr>");
        } finally {
            try { if (con != null) con.close(); } catch (Exception e) {}
        }
        %>
    </table>
</body></html>
```

13) Organic/agri

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Organic Stores Info</title>
<script>
const xmlData=`<stores>
<store><name>Green Farm</name><address>Main
Street</address><city>Hometown</city><products>Vegetables, Fruits</products></store>
<store><name>Organic Hub</name><address>Market
Road</address><city>Hometown</city><products>Grains, Dairy</products></store>
<store><name>Nature's Basket</name><address>Central
Plaza</address><city>Hometown</city><products>Fruits, Nuts</products></store>
<store><name>Fresh Pick</name><address>River
Lane</address><city>Hometown</city><products>Vegetables, Herbs</products></store>
<store><name>Agro Mart</name><address>Hill
Street</address><city>Hometown</city><products>Organic Seeds, Oils</products></store>
</stores>`;
function showDetails(){
  const s=document.getElementById('sname').value.trim().toLowerCase();
  const xml=new DOMParser().parseFromString(xmlData,"text/xml");
  const stores=xml.getElementsByTagName("store");
  for(let st of stores){
    if(st.getElementsByTagName("name")[0].textContent.toLowerCase()===s){
      document.getElementById("result").innerHTML=
        `<b>${st.getElementsByTagName("name")[0].textContent}</b><br>
        Address: ${st.getElementsByTagName("address")[0].textContent}<br>
        City: ${st.getElementsByTagName("city")[0].textContent}<br>
        Products: ${st.getElementsByTagName("products")[0].textContent}`;
      return;
    }
  }
```

```
  document.getElementById("result").innerHTML="";
}
</script>
</head>
<body>
<h3>Search Organic Store</h3>
<input id="sname" placeholder="Enter store name">
<button onclick="showDetails()">Search</button>
<div id="result"></div>
</body>
</html>
```

Output

14) Taxi
Db

```
CREATE DATABASE taxi_db;
USE taxi_db;
CREATE TABLE taxis (
    vehicle_no VARCHAR(15) PRIMARY KEY,
    driver_name VARCHAR(100),
    availability BOOLEAN,
    distance_km DECIMAL(5, 2),
    fare_rate_per_km DECIMAL(5, 2)
);
INSERT INTO taxis VALUES
('TN01AB1234', 'Vimal Kumar', TRUE, 2.50, 15.00),
('TN02CD5678', 'Suresh Babu', FALSE, 0.00, 15.00),
('TN03EF9012', 'Arjun Singh', TRUE, 6.80, 18.00);
```

Taxi.jsp

```
<%@ page import="java.sql.*" %>
<html><body>
    <h2>Live Taxi Status</h2>
    <table border="1">
        <tr>
            <th>Status</th>
            <th>Vehicle No.</th>
            <th>Driver</th>
            <th>Distance (KM)</th>
            <th>Fare Rate (₹/KM)</th>
            <th>Est. Fare (10 KM)</th>
        </tr>

        <%
        // JDBC Config (CHANGE USER/PASS)
        final String DRIVER = "com.mysql.cj.jdbc.Driver";
        final String URL = "jdbc:mysql://localhost:3306/taxi_db";
        final String USER = "user";     // <--- CHANGE THIS
        final String PASS = "password"; // <--- CHANGE THIS
        Connection con = null; Statement stmt = null; ResultSet rs = null;

        try {
            Class.forName(DRIVER);
            con = DriverManager.getConnection(URL, USER, PASS);
            String sql = "SELECT * FROM taxis ORDER BY availability DESC";
            stmt = con.createStatement();
            rs = stmt.executeQuery(sql);

            while (rs.next()) {
                boolean available = rs.getBoolean("availability");
                double fareRate = rs.getDouble("fare_rate_per_km");
```

```
                String statusText = available ? "Available" : "On-Trip";
                double estimatedFare = fareRate * 10;
        %>

        <tr>
            <td style="color: <%= available ? "green" : "red" %>;"><%=
statusText %></td>
            <td><%= rs.getString("vehicle_no") %></td>
            <td><%= rs.getString("driver_name") %></td>
            <td><%= rs.getDouble("distance_km") %></td>
            <td><%= fareRate %></td>
            <td>₹ <%= String.format("%.2f", estimatedFare) %></td>
        </tr>

        <%
            } // End loop
        } catch (Exception e) {
            out.println("<tr><td colspan='6' style='color:red;'>DB ERROR: Check
connection.</td></tr>");
        } finally {
            try { if (con != null) con.close(); } catch (Exception e) {}
        }
        %>
    </table>
</body></html>
```

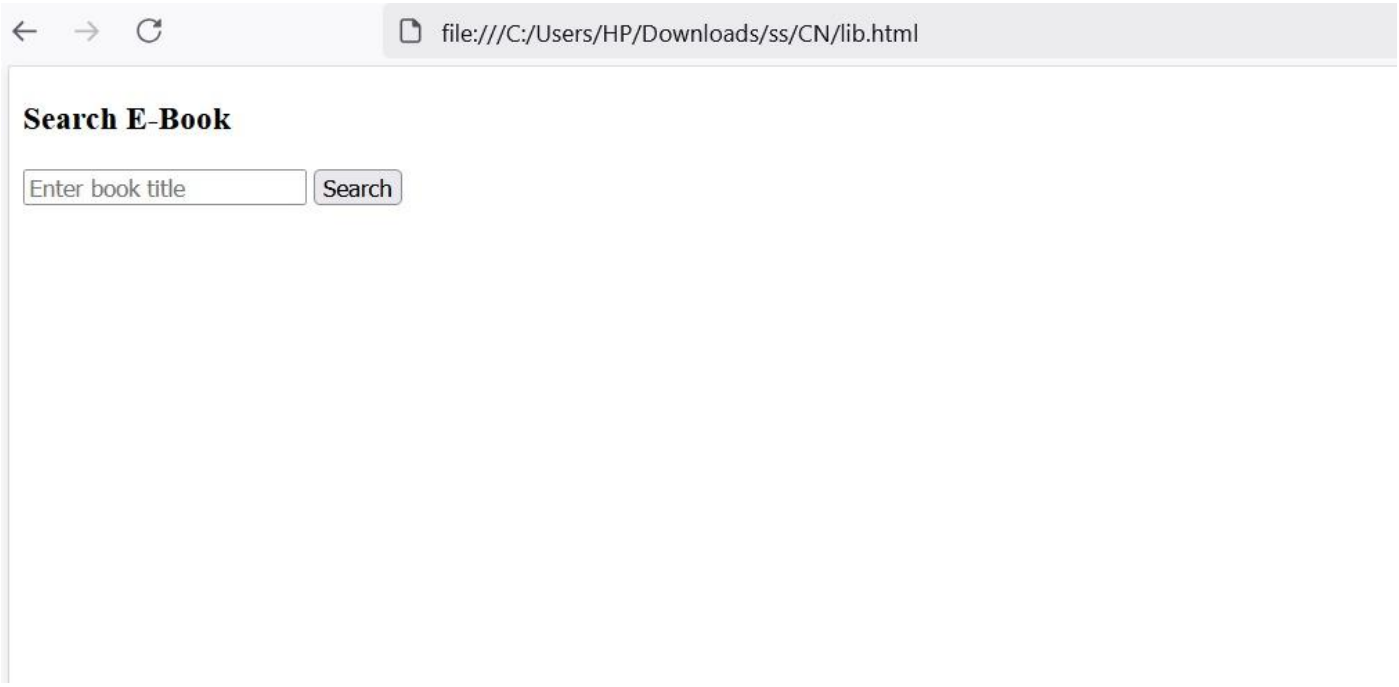
15) Library

```
15.book details in library

<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>E-Book Library</title>
<script>
const xmlData=`<library>
<book><title>Learn JavaScript</title><author>John
Doe</author><genre>Programming</genre><year>2021</year></book>
<book><title>HTML Basics</title><author>Jane Smith</author><genre>Web
Design</genre><year>2020</year></book>
<book><title>CSS Mastery</title><author>Robert Brown</author><genre>Web
Design</genre><year>2019</year></book>
<book><title>Python Essentials</title><author>Emily
Clark</author><genre>Programming</genre><year>2022</year></book>
<book><title>Data Science 101</title><author>Michael Lee</author><genre>Data
Science</genre><year>2023</year></book>
</library>`;
function showDetails(){
  const name=document.getElementById('bname').value.trim().toLowerCase();
```

```
  const xml=new DOMParser().parseFromString(xmlData,"text/xml");
  const books=xml.getElementsByTagName("book");
  for(let b of books){
    if(b.getElementsByTagName("title")[0].textContent.toLowerCase()===name){
      document.getElementById("result").innerHTML=
        `<b>${b.getElementsByTagName("title")[0].textContent}</b><br>
        Author: ${b.getElementsByTagName("author")[0].textContent}<br>
        Genre: ${b.getElementsByTagName("genre")[0].textContent}<br>
        Year: ${b.getElementsByTagName("year")[0].textContent}`;
      return;
    }
  }
  document.getElementById("result").innerHTML="";
}
</script>
</head>
<body>
<h3>Search E-Book</h3>
<input id="bname" placeholder="Enter book title">
<button onclick="showDetails()">Search</button>
<div id="result"></div>
</body>
</html>
```

Output



file:///C:/Users/HP/Downloads/ss/CN/lib.html

Search E-Book

Data Science 101 Search

Data Science 101
Author: Michael Lee
Genre: Data Science
Year: 2023