

IGNOU STUDY HELPER
SUNIL POONIA

Course Title: Web Programming Lab

Assignment Number: BCA(V)/L-057/Assignment/2024-25

Maximum Marks: 50

Weightage: 25% www.ignousite.com

Last Date of Submission: 31st October, 2024 (for July 2024 sess

: 30th April, 2025 (for January 2025 session)

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Q1.(a) Design and implement a website/web application consisting of three pages having the following layout:

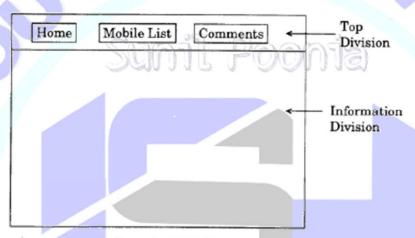


Figure 1: Layout of Web Pages

Create three pages having the same layout as shown in Figure 1. The Top Division contains the following links:

Home : Link to Home Page

Mobile List : Link to a Mobile List Page created using JSP

Comments : Link to a Comments Page containing a form

The Information Division of the three pages should be as per the following description:

(i) The Home Page should display the name of the mobile store "Mobile for You". It should display the objectives and address of the mobile store.

Ans.

1. Home Page (home.jsp)

This page will display the name of the mobile store, its objectives, and its address.

<!-- home.isp -->

<!DOCTYPE html>

<html lang="en">

<head>





3 Home - Mobile for Yo

```
<title>Home - Mobile for You</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <div class="top-division">
   <a href="home.jsp">Home</a>
   <a href="mobile_list.jsp">Mobile List</a>
   <a href="comments.jsp">Comments</a>
  </div>
  <div class="info-division">
   <h1>Mobile for You</h1>
   >Welcome to "Mobile for You", your trusted mobile store.
   <h2>Our Objectives</h2>
   We aim to provide the best quality mobile phones at competitive prices.
   <h2>Address</h2>
   1234 Mobile Street, Tech City, Country
```

Output:

</div> </body> </html>



Welcome to "Mobile for You", your trusted mobile store.

Our Objectives

We aim to provide the best quality mobile phones at competitive prices.

Address

1234 Mobile Street, Tech City, Country





(ii) The Mobile List Page should be generated by a query to a database "Mobiles" having a single relation Mobile_ram (Mobile_make, RAM_size).

You must use JSP to connect to database and display information as:

Mobile List Make	RAM (GB)
Samsung	2
Apple	4

You must display at least five mobiles in this list.

Ans.

Mobile List Page (mobile_list.jsp)

This page will display the mobile list generated from a database query.

```
<%@ page import="java.sql.*" %>
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
  <title>Mobile List</title>
  k rel="stylesheet" href="styles.css">
</head>
<body>
 <!-- Top Division -->
  <div class="top-division">
   <a href="home.jsp">Home</a>
   <a href="mobile_list.jsp">Mobile List</a>
   <a href="comments.jsp">Comments</a>
  </div>
  <!-- Information Division -->
  <div class="info-division">
   <h1>Mobile List</h1>
   Mobile Make
        RAM (GB)
     <%
       try {
         // Database connection
          Class.forName("com.mysql.cj.jdbc.Driver");
          Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/mobiles", "username", "password");
         // Query to fetch mobile list
          Statement stmt = conn.createStatement();
          ResultSet rs = stmt.executeQuery("SELECT Mobile_make, RAM_size FROM Mobile_ram");
```





```
// Displaying the result in a table
      while (rs.next()) {
       String make = rs.getString("Mobile_make");
       int ram = rs.getInt("RAM_size");
   %>
   <%
      conn.close();
    } catch (Exception e) {
                       Sunil Poonia
      e.printStackTrace();
   %>
   Error fetching data
   <%
   %>
  </div>
</body>
</html>
Output:
                     Estd: 20
            ignousite
```





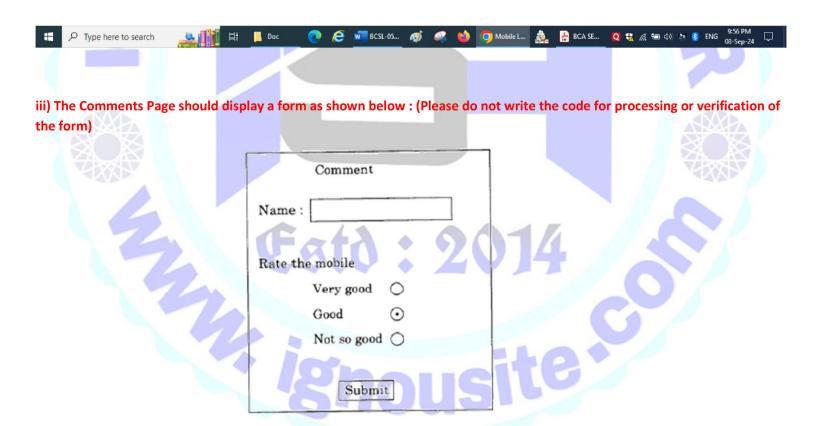
← → ♂ ⋒ ⊙ File C:/Users/Sunil%20Poonia/Desktop/moblie%20list.html

>

Home Mobile List Comments

Mobile List

Mobile Make	RAM (GB)
Samsung	2 STUDY
Apple	4 Sunti Fromia
Realme	6
Redmi	8 💿
Motorola	6 % Estd : 2014



Ans.

Comments Page (comments.jsp)

This page will display a form for user comments.

<!-- comments.jsp -->





```
<html lang="en">
<head>
  <meta charset="UTF-8">
 <title>Comments</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
 <div class="top-division">
   <a href="home.jsp">Home</a>
   <a href="mobile_list.jsp">Mobile List</a>
   <a href="comments.jsp">Comments</a>
  </div>
  <div class="info-division">
   <h1>Comments</h1>
   <form action="#" method="post">
     <label for="name">Name:</label>
     <input type="text" id="name" name="name" required>
     <br><br>>
     Rate the mobile:
     <input type="radio" id="very_good" name="rating" value="Very good">
     <label for="very_good">Very good</label><br>
     <input type="radio" id="good" name="rating" value="Good">
     <label for="good">Good</label><br>
     <input type="radio" id="not_so_good" name="rating" value="Not so good">
     <label for="not_so_good">Not so good</label><br><br></
     <button type="submit">Submit</button>
   </form>
 </div>
</body>
                                              td:2
</html>
Output:
```

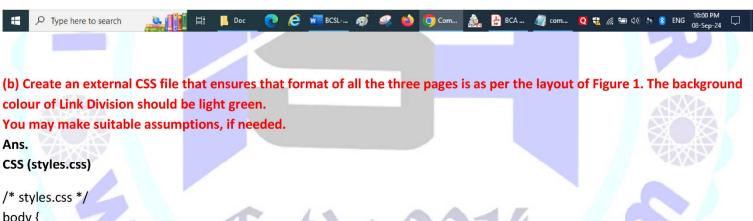






Home Mobile List Comments





```
body {
    margin: 0;
    font-family: Arial, sans-serif;
}

.top-division {
    background-color: lightgreen;
    padding: 10px;
    display: flex;
    gap: 20px;
    border-bottom: 1px solid #ddd;
}

.top-division a {
    text-decoration: none;
    color: #333;
```

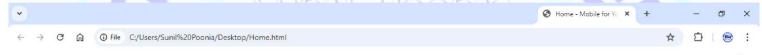




.top-division a:hover {
 background-color: #ddd;
}
.info-division {
 padding: 20px;

Output:

}





Welcome to "Mobile for You", your trusted mobile store.

Our Objectives

We aim to provide the best quality mobile phones at competitive prices.

Address

1234 Mobile Street, Tech City, Country





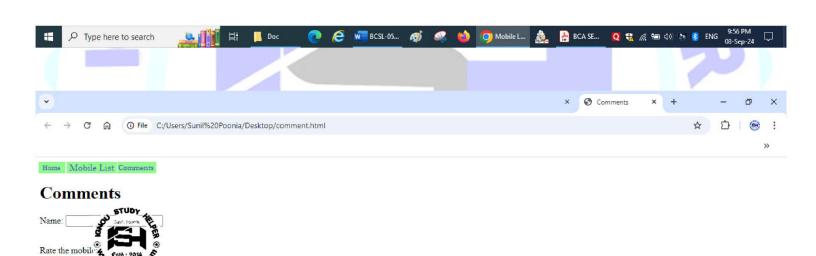
← → ♂ ⋒ ② File C:/Users/Sunil%20Poonia/Desktop/moblie%20list.html

☆ Ď | 📵 : »

Home Mobile List Comments

Mobile List

Mobile Make	RAM (G	STUDY
Samsung	2	Santi Agarda
Apple	4 🖎	131
Realme	6	Està : 2014
Redmi	8	Enousite C
Motorola	6	





O Very good

