

INDEX.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
<style>
    img{
        width: 100%;
    }
    .navbar{
        background-color: cornsilk;
        padding: 10px;
        margin: 10px;
        display: flex;
        justify-content: space-evenly;
    }
    h1{
        display: flex;
        justify-content: center;
        color: darkblue;
    }
</style>
</head>
<body>
<h1>Student Management System</h1>
<header>
    <ul class="navbar">
        <li><a href="#">Home</a></li>
        <li><a href="AddNewStudent.jsp">Add New Student</a></li>
        <li><a href="UpdateStudentDetails.jsp">Update Student Details</a></li>
        <li><a href="AllStudentsDetails.jsp">List Of Students</a></li>
        <li><a href="DeleteStudentRecord.jsp">Delete The Record</a></li>
    </ul>
</header>

<footer>
    <p>Add Your Options </p>
</footer>
</body>
</html>
```

Add New Students

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

```

pageEncoding="/ISO-8859-1"%>
<%@ page import="java.sql.*" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="/ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<h1>Register New Student</h1>
<form>
    <div>
        <label for="StudentId"><b>Enter Your StudentID :</b> </label><br/>
        <input type="text" required name="studentId">
    </div>
    <div>
        <label for="Studentname"><b>Enter Your Name :</b> </label><br/>
        <input type="text" name="Studentname">
    </div>
    <div>
        <label for="Studentemail"><b>Enter Your Email :</b> </label><br/>
        <input type="email" name="Studentemail">
    </div>
    <div>
        <label for="Studentphone"><b>Enter Your Phone :</b> </label><br/>
        <input type="text" name="Studentphone">
    </div>
    <div>
        <label for="Studentpassword"><b>Enter Your Password :</b> </label><br/>
        <input type="password" name="Studentpassword">
    </div>
    <div>
        <label for="Studentdob"><b>Enter Your DOB :</b> </label><br/>
        <input type="date" name="Studentdob">
    </div><br/>
    <input type="submit" value="Submit">
</form>
<%

```

```

String studentId=request.getParameter("studentId");
String Studentname=request.getParameter("Studentname");
String Studentemail=request.getParameter("Studentemail");
String Studentphone=request.getParameter("Studentphone");
String Studentpassword=request.getParameter("Studentpassword");
String Studentdob=request.getParameter("Studentdob");
String message="";

if(studentId != null && Studentname!=null && Studentemail!=null
    &&Studentphone!=null &&Studentpassword!=null && Studentdob!=null)

```

```

{
    try{
        Class.forName("com.mysql.cj.jdbc.Driver");
        //Connection
        Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/student_management_system",
"root", "admin");
        PreparedStatement ps=con.prepareStatement("INSERT INTO
student_details(s_id,s_name,email,phone,password,dob)VALUES(?,?,?,?,?,?)");
        ps.setInt(1,Integer.parseInt(studentId));
        ps.setString(2,Studentname);
        ps.setString(3,Studentemail);
        ps.setString(4,Studentphone);
        ps.setString(5,Studentpassword);
        ps.setString(6,Studentdob);

        int i=ps.executeUpdate();
        if(i>0)
        {
            message="Registered";
        }
        else
        {
            message="Not Registered";
        }
    }
    catch(Exception e)//super class this is present in java.lang package
    //because it is a default package
    {
        message="Error";
        e.printStackTrace();
    }
}
else
{
    message="Please Enter The Data";
    System.out.println(message);
}
%>
</body>
</html>

```

Update Student Details

```

<%@ 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>Update/Edit Student Details</title>
</head>
<body>
<h1>Update/Edit Student Details</h1>
<form action="" method="get">
    <label for="studentID"><b>Enter Student ID: </b></label>
    <input type="text" name="studentID"><br/><br/>
    <input type="submit" value="Submit">
</form>
<%
    String studentIDpar = request.getParameter("studentID");
    if (studentIDpar != null && !studentIDpar.isEmpty()) {
        try {
            // Establish the connection
            Class.forName("com.mysql.cj.jdbc.Driver");
            // Connection
            Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/student_management_system",
"root", "admin");
            PreparedStatement ps = con.prepareStatement("SELECT * FROM student_details WHERE
s_id=?");
            ps.setInt(1, Integer.parseInt(studentIDpar));
            ResultSet rs = ps.executeQuery();
            if (rs.next()) {
                String studentID = rs.getString("s_id");
                String studentname = rs.getString("s_name");
                String studentemail = rs.getString("email");
                String studentphone = rs.getString("phone");
                String studentpassword = rs.getString("password");
                String studentdob = rs.getString("dob");
%>
                <form action="" method="post">
                    <input type="hidden" name="studentID" value="<%=studentID %>">
                    <div>
                        <input type="text" value="<%=studentname %>" name="studentname">
                        <input type="email" value="<%=studentemail%>" name="studentemail">
                        <input type="text" value="<%=studentphone%>" name="studentphone">
                        <input type="password" value="<%=studentpassword%>" name="studentpassword">
                        <input type="date" value="<%=studentdob %>" name="studentdob">
                        <input type="submit" value="Update">
                    </div>
                </form>
            <%
                } else {

```

```

        out.println("Student Not Found");
    }
    rs.close();
    ps.close();
    con.close();
} catch (Exception e) {
    e.printStackTrace();
}
} else {
    out.println("Please provide a Student ID");
}
}
if ("POST".equalsIgnoreCase(request.getMethod())) {
    String studentID = request.getParameter("studentID");
    String studentname = request.getParameter("studentname");
    String studentemail = request.getParameter("studentemail");
    String studentphone = request.getParameter("studentphone");
    String studentpassword = request.getParameter("studentpassword");
    String studentdob = request.getParameter("studentdob");
    try {
        // Establish the connection
        Class.forName("com.mysql.cj.jdbc.Driver");
        // Connection
        Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/student_management_system",
"root", "admin");
        PreparedStatement ps = con.prepareStatement("UPDATE student_details SET s_name=?,
email=?, phone=?, password=?, dob=? WHERE s_id=?");
        ps.setString(1, studentname);
        ps.setString(2, studentemail);
        ps.setString(3, studentphone);
        ps.setString(4, studentpassword);
        ps.setString(5, studentdob);
        ps.setInt(6, Integer.parseInt(studentID));
        int rowAffected = ps.executeUpdate();
        if (rowAffected > 0) {
            out.println("Data Updated");
        } else {
            out.println("Failed to Update");
        }
        ps.close();
        con.close();
    } catch (Exception e) {
        e.printStackTrace();
    }
}
}
%>
</body>
</html>

```

AllStudentsDetails.jsp

```
<%@ page import="java.sql.*" %>
<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Student Information</title>
<style>
    table {
        border-collapse: collapse;
        width: 50%;
        margin: auto;
    }
    th, td {
        border: 1px solid black;
        padding: 8px;
        text-align: left;
    }
    th {
        background-color: #f2f2f2;
    }
</style>
</head>
<body>
<h2>Student Information</h2>
<table>
<tr>
<th>User ID</th>
<th>Username</th>
<th>Email</th>
<th>Password</th>
</tr>
<%
    try {
        Class.forName("com.mysql.cj.jdbc.Driver");
        Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/user", "root",
"admin");
        PreparedStatement ps = con.prepareStatement("SELECT * FROM user_table");
        ResultSet rs = ps.executeQuery();

        while(rs.next()) {
            String userid = rs.getString("userid");
            String username = rs.getString("username");
            String email = rs.getString("email");
            String password = rs.getString("password");
```

```

%>
<tr>
  <td><%= userid %></td>
  <td><%= username %></td>
  <td><%= email %></td>
  <td><%= password %></td>
</tr>
<%
  }
  rs.close();
  ps.close();
  con.close();
} catch(Exception e) {
  out.println("Error: " + e.getMessage());
}
%>
</table>
</body>
</html>

```

DeleteStudentRecord.jsp

```

<%@ page import="java.sql.*"%>
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Edit Student</title>
</head>
<body>
  <h1>Edit Student</h1>
  <form method="post">
    <!-- Change method to POST -->
    <label for="userid">Enter Your UserID : </label> <input type="text"
name="userid"><br /><br />
    <input type="submit" value="Submit"><br /><br />
  </form>
  <%
    // Check if an ID parameter is provided
    String userIDParam = request.getParameter("userid");
    if (userIDParam != null) {
      // If ID parameter is provided, retrieve student details from the database and populate the form
      try {
        // Establish database connection
        Class.forName("com.mysql.cj.jdbc.Driver");

```

```

        Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/user", "root",
"admin");
        PreparedStatement ps = con.prepareStatement("SELECT * FROM user_table WHERE userid
= ?");
        ps.setInt(1, Integer.parseInt(userIdParam));
        ResultSet rs = ps.executeQuery();
        // Check if student exists
        if (rs.next()) {
            // Populate form fields with existing data
            String userId = rs.getString("userid");
            String username = rs.getString("username");
            String email = rs.getString("email");
            String password = rs.getString("password");
%>
            <form method="post">
                <!-- Change method to POST -->
                <input type="hidden" name="userid" value="<%= userId %>">
                <div>
                    User ID:
                    <%= userId %><br> <input type="text" name="username"
                        value="<%= username %>" placeholder="Enter Your User
Name"><br>
                        <input type="email" name="email" value="<%= email %>"
                            placeholder="Enter Your EmailID"><br> <input
                                type="password" name="password" value="<%= password %>"
                                    placeholder="Enter Your Password"><br> <input
                                        type="submit" name="action" value="Update"> <input
                                            type="submit" name="action" value="Delete">
                </div>
            </form>
            <%
        } else {
            out.println("User not found");
        }
        // Close resources
        rs.close();
        ps.close();
        con.close();
    } catch (Exception e) {
        out.println("Error: " + e.getMessage());
        e.printStackTrace();
    }
    } else {
        out.println("User ID not provided");
    }
}

if ("POST".equalsIgnoreCase(request.getMethod())) {
    // Form submitted via POST method
    String action = request.getParameter("action");

```



```

if ("Update".equals(action)) {
    String username = request.getParameter("username");
    String email = request.getParameter("email");
    String password = request.getParameter("password");

    if (username != null && !username.isEmpty()) {
        // Update database only if username is not null or empty
        try {
            // Establish database connection
            Class.forName("com.mysql.cj.jdbc.Driver");
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/user",
"root", "admin");
            PreparedStatement ps = con.prepareStatement("UPDATE user_table SET username=?,
email=?, password=? WHERE userid=?");
            ps.setString(1, username);
            ps.setString(2, email);
            ps.setString(3, password);
            ps.setInt(4, Integer.parseInt(useridParam));

            int rowsAffected = ps.executeUpdate();

            // Check if update was successful
            if (rowsAffected > 0) {
                out.println("Data updated successfully.");
            } else {
                out.println("Failed to update data.");
            }

            // Close resources
            ps.close();
            con.close();
        } catch (Exception e) {
            out.println("Error: " + e.getMessage());
            e.printStackTrace();
        }
    } else {
        out.println("Username cannot be empty.");
    }
} else if ("Delete".equals(action)) {
    // Delete record
    try {
        // Establish database connection
        Class.forName("com.mysql.cj.jdbc.Driver");
        Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/user",
"root", "admin");
        PreparedStatement ps = con.prepareStatement("DELETE FROM user_table WHERE
userid=?");
        ps.setInt(1, Integer.parseInt(useridParam));
    }
}

```

```
int rowsAffected = ps.executeUpdate();

// Check if deletion was successful
if (rowsAffected > 0) {
    out.println("Record deleted successfully.");
} else {
    out.println("Failed to delete record.");
}

// Close resources
ps.close();
con.close();
} catch (Exception e) {
    out.println("Error: " + e.getMessage());
    e.printStackTrace();
}
}
}
}
%>
</body>
</html>
```

