# ASSIGNMENT 3
## JDBC

## Design jsp for user signup and create login controller using JDBC

## Signup.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@page import="java.sql.*"  %>
<%@include file="db.jsp" %>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">

<%

   if(request.getParameter("submit") != null){

      String firstName = request.getParameter("first_name");
      String lastName = request.getParameter("last_name");
      String email = request.getParameter("email");
      String phone = request.getParameter("phone");
      String password = request.getParameter("password");
      String cpassword = request.getParameter("cpassword");

      if(password.equals(cpassword)){

       int rows = stmt.executeUpdate("insert into user(fname,lname,email,password) VALUES
       ('" + firstName + "' ,'" + lastName + "','" + email + "','" + password
       + "')");       if(rows==1
       ){
       out.print("done");
        }
        else{
        out.print("don]\'t");
        }
}      else{
        out.print("password and confirm password does not match..");  }

}


%>

<html lang="en">


<head>
   <!-- Required meta tags-->
```

```html
    <meta charset="UTF-8">

    <!-- Title Page-->
    <title>Au Register Forms by Colorlib</title>

    <!-- Icons font CSS-->
    <link href="vendors/mdi-font/css/material-design-iconic-font.min.css" rel="stylesheet"
media="all">
    <link href="vendors/font-awesome-4.7/css/font-awesome.min.css" rel="stylesheet"
media="all">
    <!-- Font special for pages-->
    <link
href="https://fonts.googleapis.com/css?family=Poppins:100,100i,200,200i,300,300i,400,400
i,500,500i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">

    <!-- vendors CSS-->
    <link href="vendors/select2/select2.min.css" rel="stylesheet" media="all">
    <link href="vendors/datepicker/daterangepicker.css" rel="stylesheet" media="all">

    <!-- Main CSS-->
    <link href="css/signup.css" rel="stylesheet" media="all">
</head>

<body>
    <div class="page-wrapper bg-gra-02 p-t-130 p-b-100 font-poppins">
        <div class="wrapper wrapper--w680">
            <div class="card card-4">
                <div class="card-body">
                    <h2 class="title">Regestration Form</h2>
                    <form method="POST">
                        <div class="row row-space">
                            <div class="col-2">
                                <div class="input-group">
                                    <label class="label">first name</label>
                                    <input class="input--style-4" type="text" name="first_name">
                                </div>
                            </div>
                            <div class="col-2">
                                <div class="input-group">
                                    <label class="label">last name</label>
                                    <input class="input--style-4" type="text" name="last_name">
                                </div>
                            </div>
                        </div>
                                        <div class="row row-space">
                            <div class="col-2">
                                <div class="input-group">
                                    <label class="label">password</label>
                                    <input class="input--style-4" type="password" name="password">
</div>
```

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```html
                    </div>
                    <div class="col-2">
                        <div class="input-group">
                            <label class="label">confirm password</label>
                            <input class="input--style-4" type="password" name="cpassword">
                        </div>
                    </div>
                </div>

                <div class="row row-space">
                    <div class="col-2">
                        <div class="input-group">
                            <label class="label">Email</label>
                            <input class="input--style-4" type="email" name="email">
                        </div>
                    </div>
                    <div class="col-2">
                        <div class="input-group">
                            <label class="label">Phone Number</label>
                            <input class="input--style-4" type="text" name="phone">
                        </div>
                    </div>
                </div>

                <div class="p-t-15">
                    <button class="btn btn--radius-2 btn--blue" type="submit"
                    name="submit">Submit</button>
                </div>
            </form>
        </div>
    </div>
</div>
</div>

<!-- Jquery JS-->
<script src="vendors/jquery/jquery.min.js"></script>
<!-- vendors JS-->
<script src="vendors/select2/select2.min.js"></script>
<script src="vendors/datepicker/moment.min.js"></script>
<script src="vendors/datepicker/daterangepicker.js"></script>

<!-- Main JS-->
<script src="js/global.js"></script>

</body><!-- This templates was made by Colorlib (https://colorlib.com) -->

</html>
```

**Login.jsp**

```jsp
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@page import="java.sql.*"  %>
<%@include file="db.jsp" %>

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<%

   if(request.getParameter("submit") != null){

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

      ResultSet rs = stmt.executeQuery("select * from user where email='"+userName+"'
and password='"+password+"'");           if(rs.next()){
         out.print("Login succesfully..");
}        else{            out.print("Invalid
username or password");
      }
   }
%>
<html lang="en">

<head>
   <!-- Required meta tags-->
   <meta charset="UTF-8">

   <!-- Title Page-->
   <title>Au Register Forms by Colorlib</title>

   <!-- Icons font CSS-->
   <link href="vendors/mdi-font/css/material-design-iconic-font.min.css" rel="stylesheet"
media="all">
   <link href="vendors/font-awesome-4.7/css/font-awesome.min.css" rel="stylesheet"
media="all">
   <!-- Font special for pages-->
   <link
href="https://fonts.googleapis.com/css?family=Poppins:100,100i,200,200i,300,300i,400,400
i,500,500i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">

   <!-- vendors CSS-->
   <link href="vendors/select2/select2.min.css" rel="stylesheet" media="all">
   <link href="vendors/datepicker/daterangepicker.css" rel="stylesheet" media="all">

   <!-- Main CSS-->
   <link href="css/signup.css" rel="stylesheet" media="all"> </head>

<body>
    <div class="page-wrapper bg-gra-02 p-t-130 p-b-100 font-poppins">
     <div class="wrapper wrapper--w680">
```

```html
        <div class="card card-4">
            <div class="card-body">
                <h2 class="title">Login Form</h2>
                <form method="POST">
                    <div class="row row-space">
                        <div class="col-4">
                            <div class="input-group">
                                <label class="label">Email</label>
                                <input class="input--style-4" type="text" name="username">
                            </div>
                        </div>
                    </div>
                    <div class="row row-space">
                        <div class="col-4">
                            <div class="input-group">
                                <label class="label">password</label>
                                <input class="input--style-4" type="password" name="password">
                            </div>
                        </div>
                    </div>
                    <div class="p-t-15">
                        <button class="btn btn--radius-2 btn--blue" type="submit"
                        name="submit">Login</button>
                    </div>
                </form>
            </div>
        </div>
    </div>
</div>

<!-- Jquery JS-->
<script src="vendors/jquery/jquery.min.js"></script>
<!-- vendors JS-->
<script src="vendors/select2/select2.min.js"></script>

<!-- Main JS-->
<script src="js/global.js"></script>

</body><!-- This templates was made by Colorlib (https://colorlib.com) -->

</html>
```

**Implement insert, delete, update, search for Product table. Field: id, name, stock, price, description, image  product.jsp**

```jsp
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@page import="java.sql.*" %>


<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">

<html>
   <head>
      <style>
         table.noBorder tr.noBorder td {
            border: 0;
         }           tr ,td, th{
border: 1px solid;
border-collapse: collapse;
         }
      </style>

   </head>
   <body>
      <h1 align="center">Product Search</h1>
      <form action="search.jsp" method="post">
      <table frame="box" align="center" width="50%" class="noBorder">


         <tr class="noBorder">
            <td>Search By
               <select name="searchby">
                  <option>name</option>
                  <option>price</option>
                  <option>description</option>

               </select>
            </td>
            <td>Operator
               <select name="operator">
                  <option>=</option>
                  <option>></option>
                  <option><</option>
                  <option>like</option>
               </select>
            </td>
            <td>Value
               <input type="text" name="value"/>
            </td>
            <td>
               <input type="submit" name="submit" value="search"/>
```

```
                </td>

            </tr>
        </table>
    </form>
        <h1 align="center">Products</h1>
        <table align="center" width="50%" class="noBorder">

            <tr class="noBorder">
                <td colspan="6" style=""><a href="insert.jsp">Insert new Product</a></td>
            </tr>
            <tr>
                <th>Name</th>
                <th>Price</th>
                <th>Stock</th>
                <th>Description</th>
                <th></th>
                <th></th>

            </tr>

            <%
            Connection conn = (Connection) application.getAttribute("conn");
            Statement stmt = conn.createStatement();
            ResultSet rs = stmt.executeQuery("select * from product");

            while (rs.next()) {
int id = rs.getInt("id");
                out.println("<tr align='center'>");
                  out.println("<td>" + rs.getString("name") + "</td>");
                  out.println("<td>" + rs.getString("price") + "</td>");
                  out.println("<td>" + rs.getString("stock") + "</td>");
                  out.println("<td>" + rs.getString("description") + "</td>");
                  out.println("<td>" + "<a href='update.jsp?id="+id+"'>Update</a> " +
                  "</td>");
                  out.println("<td>" + "<a href='delete.jsp?id="+id+"'>Delete</a> " +
                  "</td>");
                  out.println("</tr>");
            }

            %>
        </table>

    </body>
</html>
```

**Insert.jsp**

```jsp
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@page import="java.sql.*"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">

<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>JSP Page</title>
        <style>
input{
        width: 100%;
    }

    </style>

    </head>
    <body>
        <div style="width: 20%; align: 'center'">
            <form action="" method="post">
                <fieldset>
                    <legend>
                        Insert Product
                    </legend>

                    <table width="100%" >
                        <tr>
                            <td>Name:</td>
                            <td><input type="text" name="pname" /></td>
                        </tr>
                        <tr>
                            <td>Price: </td>
                            <td><input type="text" name="pprice"/></td>
                        </tr>
                        <tr>
                            <td>Stock:</td>
                            <td><input type="text" name="pstock"/></td>
                        </tr>
                        <tr>
                            <td>Description: </td>
                            <td><input type="text" name="pdescription"/></td>
                        </tr>
<tr>
                        <td colspan="2"> <input type="submit" name="submit"
                        value="Insert"/></td>
```

```
                    </tr>
                </table>
            </fieldset>

        </form>
      </div>


    <%
      if(request.getParameter("submit")!=null){
       Connection conn = (Connection) application.getAttribute("conn");
       Statement stmt = conn.createStatement();
       String pname = request.getParameter("pname");
      float price = Float.parseFloat(request.getParameter("pprice"));
      float stock = Float.parseFloat(request.getParameter("pstock"));
      String desciption = request.getParameter("pdescription");

     String sql = "insert into product (name,price,stock,description) values ('"+pname+ "',"
     +price+","+stock+",'"+desciption+"')";
int row = stmt.executeUpdate(sql);
    //   out.println(sql);
if(row==1){

}
else{
        out.println("operaion failed..");
      }
      }
   %>

   <a href ="product.jsp">Back to Product Page</a>

   </body>

</html>
```

**Update.jsp**

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@ page import="java.sql.*" %>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">

<html>
   <head>
      <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
      <title>JSP Page</title>
   </head>
   <body>
      <%
```

```jsp
        String id = request.getParameter("id");
        Connection conn = (Connection) application.getAttribute("conn");
Statement stmt = conn.createStatement();

        ResultSet rs = stmt.executeQuery("select * from product where id=" + id);

        if (rs.next()) {
%>

    <div style="width: 20%; align: 'center'">
        <form action="" method="post">
            <fieldset>
                <legend>
                    Update Product
                </legend>

                <table width="100%" >

                    <tr>
                        <td>Name:</td>
                        <td><input type="text" name="pname" value='<%=
rs.getString("name")%>'/></td>
                    </tr>
                    <tr>
                        <td>Price: </td>
                        <td><input type="text" name="pprice" value='<%=
rs.getString("price")%>'/></td>
                    </tr>
                    <tr>
                        <td>Stock:</td>
                        <td><input type="text" name="pstock" value='<%=
rs.getString("stock")%>'/></td>
                    </tr>
                    <tr>
                        <td>Description: </td>
                        <td><input type="text" name="pdescription" value='<%=
rs.getString("description")%>'/></td>
                    </tr>
                    <tr>
                        <td colspan="2"> <input type="submit" name="submit"
value="update"/></td>
                    </tr>
                </table>
            </fieldset>

        </form>
    </div>

    <%}
        if (request.getParameter("submit") != null) {
```

```
            String pname = request.getParameter("pname");
            float price = Float.parseFloat(request.getParameter("pprice"));
float stock = Float.parseFloat(request.getParameter("pstock"));
            String desc = request.getParameter("pdescription");
            String sql = "update product set name='" + pname +
                "',price=" + price + ",stock=" + stock +
",description='" + desc + "' where id = " + id;            int
rows = stmt.executeUpdate(sql);            out.print(sql);
if (rows == 1) {
                response.sendRedirect("product.jsp");

            } else {
                out.println("error found.");
            }
        }

    %>
    </body>
</html>
```

## Search.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@ page import="java.sql.*" %>

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">

<html>
    <head>
        <style>
            table.noBorder tr.noBorder td {
border: 0;
            }
tr ,td, th{
                border: 1px solid;
                border-collapse: collapse;
            }
        </style>

    </head>
    <body>
        <%

            if (request.getParameter("submit") != null) {
                String searchby = request.getParameter("searchby");
                String operator = request.getParameter("operator");
                String value = request.getParameter("value");
                String sql;
```

```jsp
            Connection conn = (Connection) application.getAttribute("conn");
Statement stmt = conn.createStatement();
            if (operator.equals("like")) {
                sql = "select * from product where " + searchby + " " + operator + " '" + value
+ "'";
            } else {
                sql = "select * from product where " + searchby + " " + operator + " " + value
+ "";
            }
            ResultSet rs = stmt.executeQuery(sql);
out.print(sql);
        %>
        <h1 align="center">Search Result</h1>
        <table align="center" width="50%" class="noBorder">

        <tr>
            <th>Name</th>
            <th>Price</th>
            <th>Stock</th>
            <th>Description</th>
            <th></th>
            <th></th>
        </tr>
<%
                while (rs.next()) {
int id = rs.getInt("id");
out.println("<tr align='center'>");
                    out.println("<td>" + rs.getString("name") + "</td>");
out.println("<td>" + rs.getString("price") + "</td>");                    out.println("<td>"
+ rs.getString("stock") + "</td>");                        out.println("<td>" +
rs.getString("description") + "</td>");                    out.println("<td>" + "<a
href='update.jsp?id=" + id + "'>Update</a> "
+ "</td>");
                    out.println("<td>" + "<a href='delete.jsp?id=" + id + "'>Delete</a> " +
"</td>");

                    out.println("</tr>");
                }
        %>
        <tr class="noBorder">
            <td colspan="6" style=""><a href="product.jsp">Back To Product</a></td>
        </tr>


        <%}%>

    </body>
</html>
```

## Delete.jsp

```jsp
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@ page import="java.sql.*" %>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<%
        String id = request.getParameter("id");
        Connection conn = (com.mysql.jdbc.Connection) application.getAttribute("conn");
        Statement stmt = conn.createStatement();
String sql = "delete from product where id=" + id;
int rows = stmt.executeUpdate(sql);

        if (rows == 1) {
response.sendRedirect("product.jsp");
        } else {
out.println("error found.");
        }
%>
```