

# Modern Application Development with Spring Boot

## Third Week Assignment

20MIC0008

Vijay. P

Code:

SQL:

```
use userform;

create table user_details(
    id int(5) primary key,
    user_name varchar(20),
    age int(3),
    gender varchar(6),
    dob varchar(10),
    mobile int(10)
)
```

Servlet:

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this
 * license
 * Click nbfs://nbhost/SystemFileSystem/Templates/JSP_Servlet/Servlet.java to edit this template
 */

package age_checking;

import java.sql.*;
import java.io.IOException;
import java.io.PrintWriter;
import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import java.util.Random;
import java.util.logging.Level;
import java.util.logging.Logger;
```

```

/**
 *
 * @author vijay
 */
public class DetailsUpdateServlet extends HttpServlet {

    /**
     * Processes requests for both HTTP <code>GET</code> and <code>POST</code>
     * methods.
     *
     * @param request servlet request
     * @param response servlet response
     * @throws ServletException if a servlet-specific error occurs
     * @throws IOException if an I/O error occurs
     */
    protected void processRequest(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html;charset=UTF-8");
        try (PrintWriter out = response.getWriter()) {
            /* TODO output your page here. You may use following sample code. */
            String name = request.getParameter("name");
            int age = Integer.parseInt(request.getParameter("age"));
            String gender = request.getParameter("gender");
            String dob = request.getParameter("dob");
            int mobile = Integer.parseInt(request.getParameter("mobile"));
//            int mobile = Integer.parseInt(request.getParameter("mob"));
            int count = 0;
            out.println("<!DOCTYPE html>");
            out.println("<html>");
            out.println("<head>");
            out.println("<title>Driver Liscense Eligibility Status</title>");

```

```

//      out.println("<link href=\"style.css\" rel=\"stylesheet\"/>");
out.println("<style>\n" +
"      html,body{\n" +
"          height: 100%;\n" +
"      }\n" +
"      body{\n" +
"          background: linear-gradient(to bottom right,#3f3f3f,#f3f3f3);\n" +
"          background-repeat: no-repeat;\n" +
"          text-align: center;\n" +
"      }\n" +
"      h1{\n" +
"          color: wheat;\n"
          + "transition: ease-in-out 0.5s;\n" +
"      }\n" +
"      \nh1:hover{\n" +
"          color: orange;\n" +
"          transition: ease-in-out 0.5s;\n" +
"      }\n" +
"  </style>");
out.println("</head>");
out.println("<body>");
boolean flag = false;
try {
    Random rnd = new Random();
    int num = rnd.nextInt(99999);
    Class.forName("com.mysql.jdbc.Driver");
    Connection conn =
DriverManager.getConnection("jdbc:mysql://localhost:3306/userform","root","Vijay@2k2");
    String pst = "insert into user_details values("+num+"?,?,,?)";
    PreparedStatement smt = conn.prepareStatement(pst);
    smt.setString(2, name);

```

```

        smt.setInt(3,age);
        smt.setString(4,gender);
        smt.setString(5,dob);
        smt.setInt(6, mobile);
        smt.executeUpdate();
        smt.close();
        conn.close();
    } catch (ClassNotFoundException ex) {
        System.err.println(ex);
    } catch (SQLException ex) {
        System.err.println(ex);
    }
    out.println("<h1>User details updated successfully</h1>");
    out.println("</body>");
    out.println("</html>");
    out.close();
}
}

/**
 *
 * @param req
 * @param res
 */
@Override
public void doPost(HttpServletRequest req,HttpServletResponse res) throws ServletException,
IOException{
    processRequest(req,res);
}
}

HTML:

```

```
<!DOCTYPE html>
```

```
<!--
```

Click <nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt> to change this license

Click [nbfs://nbhost/SystemFileSystem/Templates/JSP\\_Servlet/Html.html](nbfs://nbhost/SystemFileSystem/Templates/JSP_Servlet/Html.html) to edit this template

```
-->
```

```
<html>
```

```
<head>
```

```
<title>Form</title>
```

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

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<!--<link href="style.css" rel="stylesheet"/>-->
```

```
<style>
```

```
html,body{
```

```
    height: 100%;
```

```
    /*width:100%*/
```

```
}
```

```
body{
```

```
    background: linear-gradient(to bottom right,#3f3f3f,#f3f3f3);
```

```
    background-repeat: no-repeat;
```

```
    text-align: center;
```

```
}
```

```
h1{
```

```
    color: wheat;
```

```
    transition: ease-in-out 0.5s;
```

```
}
```

```
input[type="submit"],input[type="text"],input[type="number"]{
```

```
    margin: 25px auto;
```

```
    display: block;
```

```
    border-radius: 35px;
```

```
    border: none;
```

```
    text-align: center;
```

```

        transition: ease-in-out 0.5s;

        font-size:20px;
    }
    form{
        text-align: center;

        border: none;

        border-radius: 35px;

        transition: ease-in-out 0.5s;

        padding:20px;

        margin:20px;

    }
/*    form:hover{

        background: #3ffff3;

        opacity: 50%;

        transition: ease-in-out 0.5s;

    }*/
    input:hover{

        background: none;

        opacity: 100%;

        transition: ease-in-out 0.5s;

    }
    h1:hover{

        color: orange;

        transition: ease-in-out 0.5s;

    }
</style>
</head>
<body>

    <h1>User Details Form

    </h1>

    <form action="dl" method="post">

```

```
<input name = "name" type = "text" placeholder = "Name" required>  
<input name = "age" type = "number" placeholder = "Age" required>  
<input name = "gender" type = "text" placeholder = "Gender" required>  
<input name = "dob" type = "date" required>  
<input name = "mobile" type = "number" placeholder = "Mobile Number" required>
```

```
<input type = "submit"/>
```

```
</form>
```

```
</body>
```

```
</html>
```

Screenshots:

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- adv\_java\_da\_1
- adv\_java\_da\_2
- atm\_machine
- bill
- cloud\_sharing\_adj\_da5
- collegespring
- collegespring2
- courseregistration
- csi1001\_da\_1
- csi1001\_da\_1\_exercise\_1
- csi1001\_da\_1\_exercise\_2
- csi1001\_da\_2\_exercise\_3
- csi1001\_da\_2\_exercise\_4
- csi1001\_da\_3\_exercise\_5
- csi1001\_da\_3\_exercise\_6
- da4
- demo
- onlinebookstore
- sakila
- sys
- testdemo
- userform**
  - Tables
    - user\_details
      - Columns
        - id
        - user\_name
        - age
        - gender
        - dob
        - mobile
      - Indexes
      - Foreign Keys
      - Triggers
    - Views
    - Stored Procedures
    - Functions

Information

No object selected

Object Info Session

SQL File 3\*

Limit to 2000 rows

```

1 • use userform;
2 • create table user_details(
3     id int(5) primary key,
4     user_name varchar(20),
5     age int(3),
6     gender varchar(6),
7     dob varchar(10),
8     mobile int(10)
9 )

```

SQLAdditions

My Snippets

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	18:53:54	Apply changes to userform	Changes applied	
2	18:58:57	use userform	0 row(s) affected	0.000 sec
3	18:58:57	create table user_details(id int(5) primary key, user_...	0 row(s) affected, 3 warning(s): 1681 Integer display ...	0.094 sec



Form

localhost:8080/DriverLicenseEligibili...

Agoda Acer New Tab Monkeytype https://visualskins.c... Watch TV Shows O...

## User Details Form

Vijay

20

Male

01-06-2023

1234567891

Submit

