

Database with HTML+ Servlets +MySQL

Program structure

```
> build
  v src
    v main
      v java
        Ini.java
      v webapp
        > META-INF
        v WEB-INF
          v lib
            mysql-connector-j-8.0.31.jar
            tomcat-jsp-api-9.0.0.M18.jar
            tomcat-servlet-api-9.0.0.M18.jar
          web.xml
        registration.html
```

Ini.java

```
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;
import javax.servlet.ServletException;
import javax.servlet.ServletRequest;
import javax.servlet.ServletResponse;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
```

```
/**
```

```
 * Servlet implementation class Ini
```

*/

```
public class Ini extends HttpServlet {
    private static final long serialVersionUID = 1L;
    private String user1,pwd1,email1;
    public void service(ServletRequest req,ServletResponse res) throws
ServletException,IOException
    {
        user1=req.getParameter("usr");
        pwd1=req.getParameter("pwd");
        email1=req.getParameter("mail");
        res.setContentType("text/html");
        PrintWriter out=res.getWriter();
        try
        {
            Class.forName("com.mysql.jdbc.Driver");
            Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/griet_it_db","subba","rayudu");
            PreparedStatement st=con.prepareStatement("insert into personal
values(?,?,?,?);");

            st.setString(1,user1);
            st.setString(2,pwd1);
            st.setString(3,"25");
            st.setString(4,"hyd");
            st.setString(5,email1);
            st.setString(6,"21234");
            st.executeUpdate();
            con.close();
        }
        catch(SQLException s)
        { out.println("not found "+s);
        }
        catch(ClassNotFoundException c)
        {
            out.println("not found "+c);
        }
    }
}
```

```
}
```

Registration.html

```
<html>
<head>
<title>Registration page</title>
</head>
<body bgcolor="#00FFf">
  <form METHOD="POST" ACTION="regis">
    <CENTER>
      <table>
        <center>
          <tr>
            <td>Username</td>
            <td><input type="text" name="usr"></td>
          </tr>
          <tr>
            <td>Password</td>
            <td><input type="password" name="pwd"></td>
          </tr>
          <tr>
            <td>Age</td>
            <td><input type="text" name="age"></td>
          </tr>
          <tr>
            <td>Address</td>
            <td><input type="text" name="add"></td>
          </tr>
          <tr>
            <td>email</td>
            <td><input type="text" name="mail"></td>
          </tr>
          <tr>
            <td>Pho ne</td>
            <td><input type="text" name="phone"></td>
          </tr>
          <tr>
            <td colspan=2 align=center><input type="submit"
              value="submit"></td>
          </tr>
        </center>
      </table>
    </form>
  </body>
</html>
```

web.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app>
  <servlet>
    <servlet-name>init1</servlet-name>
    <servlet-class>Ini</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>init1</servlet-name>
    <url-pattern>/regis</url-pattern>
  </servlet-mapping>

  <servlet>
    <servlet-name>init1</servlet-name>
    <servlet-class>Ini</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>init1</servlet-name>
    <url-pattern>/athent</url-pattern>
  </servlet-mapping>
</web-app>
```

Output:

The screenshot displays a database management interface. On the left, a 'SCHEMAS' pane shows a tree view of database objects, with 'personal' selected under 'Tables'. Below this, the 'Table: personal' is detailed with its columns: 'username' (varchar(50)), 'password' (varchar(20)), and 'age' (int). The main area shows a SQL query: `SELECT * FROM ananthula_movies.personal;`. Below the query, a 'Result Grid' displays the data. The grid has columns: 'username', 'password', 'age', 'address', 'email', and 'phoneno'. The data rows are as follows:

username	password	age	address	email	phoneno
tushar1	9890	25	hyd	hydard123@gmail.com	21234
bhuvan	1234	25	hyd	bhuvan123@gmail.com	21234
swathi	1234	25	hyd	swathi@gmail.com	21234
sumanaa	1234	25	hyd	sumana123@gmail.com	21234
hanisha	123	25	hyd	hanisha123@gmail.com	21234
shiva	12345	25	hyd	abc@gmail.com	21234
chaitu	1234	25	hyd	asd@gmail.com	21234
vikas	1234	25	hyd	vikas123@gmail.com	21234
deekshitha	1234	25	hyd	deekshitha123@gmail.com	21234

On the right side of the interface, a message states: 'Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.'