

Name: Vivek Khatri
Roll no: TECOB216
Subject - Web Technology

Defaulter task

Problem Statement: Servlet-Mysql login and registration form(Perform Insert/update/delete operations)

Mysql Query

create database

registration_formuse

registration_form

create table user_register(Id int Auto_Increment,primary key(id),Name varchar(20) NOT
NULL,

-> Email varchar(30) NOT **NULL**,userName varchar(30) NOT **NULL**,password
varchar(20) NOT **NULL**, Unique

`key(userName));`

index.html

<!DOCTYPE html>

<html>

<hea

d> <meta charset="ISO-8859-1">

<title>Servlet</title>

</head>

<body>

<h1 align="center"><a

```
href="Register.html">Register</a></h1> </body>
```

```
</html>
```

Register.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta charset="ISO-8859-1">
```

```
<title>Registration /title>
```

```
<styl
```

```
e>
```

```
body
```

```
{
```

```
background-image:
```

```
url('https://image.shutterstock.com/image-photo/lime-retro-pastel-pa
```

```
per background-260nw-598436903.jpg'); background-repeat:
```

```
no-repeat; background-size: cover;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<form action="RegisterServlet" method="post">
```

```
<h1 align="center" style="margin-top: 5%">Registration Form</h1>
```

```
<table align="center" style="margin-top: 10%">
```

```
<tr>
```

```
<td>Name</td>
```

```
<td><input type="text" name="name"></td>

</tr>

<tr>

<td>Email Id</td>

<td><input type="email" name="email"></td>

</tr>

<tr>

<td>UserName</td>
<td><input type="text" name="uname"></td>

</tr>

<tr>

<td>Password</td>

<td><input type="password"
name="pass"></td> </tr>

<tr>

<td>Confirm Password</td>

<td><input type="password"
name="cpass"></td> </tr>

<tr>

<td></td>

<td><input type="submit" value="Submit" id="button-1" /></td>

</tr>

</table>

</form>

</body>
</html>
```

DBConnect.java

```
package  
  
com.register.conn;  
  
import  
  
java.sql.Connection;  
  
import  
  
java.sql.DriverManager;  
  
import  
  
java.sql.SQLException;  
  
public class DBConnect  
{  
  
    public static Connection  
    getConn() {Connection  
  
        con = null;  
  
        String loadDriver = "com.mysql.jdbc.Driver";  
  
        String dbURL =  
  
        "jdbc:mysql://localhost:3306/Registration_form  
  
        ";String dbUSERNAME = "root";  
  
        String dbPASSWORD  
  
        = "root";try {  
  
        Class.forName(loadDri  
  
        ver);  
  
        con = DriverManager.getConnection(dbURL, dbUSERNAME,  
        dbPASSWORD); } catch (ClassNotFoundException e) {  
        // TODO Auto
```

```
generatedcatch
block
e.printStackTrace()
;

} catch (SQLException e) {
// TODO Auto
generatedcatch
block
e.printStackTrace()
;

}
return con;
}

}
```

RegisterBean.java

```
package

com.register.bean;

public class

RegisterBean {

String Name;

String EMail;

String

userName;

String
```

```
password;

public RegisterBean(String name, String eMail, String userName,
String password) {super();

Name = name;

EMail = eMail;

this.userName = userName;

this.password = password;

}

public

RegisterBean() {

super();

// TODO Auto-generated constructor stub

}

public String getName() {
return Name;

}

public void

setName(String

name) { Name =

name;

}

public String getEMail()

{ return EMail;

}

public void
```

```
setEMail(String eMail) {  
  
    EMail = eMail;  
  
}  
  
public String getUserName() {  
  
    return userName;  
  
}  
  
public void setUserName(String  
userName) { this.userName = userName;  
  
}  
  
public String getPasword() {  
  
    return pasword;  
  
}  
  
public void setPasword(String  
pasword) { this.pasword = pasword;  
  
}  
  
}
```

RegisterDao.java

```
package  
  
com.register.dao;  
  
import  
  
java.sql.Connection;  
import  
  
java.sql.PreparedStatem
```

```

ent; import

java.sql.SQLException;

import

com.register.bean.RegisterB
ean; import

com.register.conn.DBConn

ect; public class

RegisterDao { public String

Regiterindb(RegisterBean

bean) { Connection con =

DBConnect.getConn();
String sql = "insert into
user_register(Id,Name,Email,userName,password) values
(NULL,?,?,?,?) "; int i = 0;

try {

PreparedStatement preparedStatement =
con.prepareStatement(sql);
preparedStatement.setString(1, bean.getName());
preparedStatement.setString(2, bean.getEmail());
preparedStatement.setString(3,
bean.getUserName());
preparedStatement.setString(4,
bean.getPasword());

i =
preparedStatement.executeUpdate(); }
catch (SQLException e) {

// TODO Auto-generated
catch block

```



```

e.printStackTrace();

}

if (i != 0) {

return "User is registered";

} else {

return "Error!!!!";

}

}

```

RegisterServlet.java

```

package

com.register.Servlet;

import

java.io.IOException;

import

java.io.PrintWriter;

import

javax.servlet.RequestDispatc
her ; import

javax.servlet.ServletExcepti
on; import

javax.servlet.annotation.Web
Servlet;

import

```

```

javax.servlet.http.HttpServlet;

import

javax.servlet.http.HttpServletR
eq uest; import

javax.servlet.http.HttpServletR
es ponse;import

com.register.bean.RegisterB
ean; import

com.register.dao.RegisterDao;

public class RegisterServlet
extends
HttpServlet {private static final long
serialVersionUID = 1L; public
RegisterServlet() {
super();

// TODO Auto-generated constructor
stub }

protected void doPost(HttpServletRequest request, HttpServletResponse
throws ServletException, IOException {

// TODO Auto-generated
method stub

System.out.println("inside
post");

response.setContentType("t

```

```

ext/html");

String name =

request.getParameter("name");

String email =

request.getParameter("email");
String username =

request.getParameter("uname");

String password =

request.getParameter("pass");

RegisterBean bean = new RegisterBean(name,
email, username, password);RegisterDao dao =

new RegisterDao();

String result = dao.Regiterindb(bean);

if (result.equals("User is registered")) {

RequestDispatcher dispatcher =
request.getRequestDispatcher("index.ht
ml"); dispatcher.include(request,
response);

} else {

RequestDispatcher dispatcher =
request.getRequestDispatcher("Register.ht
ml"); dispatcher.include(request, response);

}

}
}

```

web.xml

```
<?xml version="1.0"
encoding="UTF-8"?> <web-app
xmlns:xsi="http://www.w3.org/2001/XMLSchema
a-instance"
xmlns="http://java.sun.com/xml/ns/javaee"
xsi:schemaLocation="http://java.sun.com/xml/ns/java
ee
http://java.sun.com/xml/ns/javaee/web-app_3_0.xsd"
id="WebApp_ID" version="3.0">

<display-name>Register Servlet
Demo</display-name> <welcome-file-list>

<welcome-file>index.html</welcome-file>

</welcome-file-list>

<servlet>

<servlet-name>RegisterServlet</servlet-name>

<servlet-class>com.register.Servlet.RegisterServlet</servlet-cl
ass> </servlet>

<servlet-mapping>
<servlet-name>RegisterServlet</servlet-nam
e>

<url-pattern>/RegisterServlet</url-pattern>

</servlet-mapping>

</web-app>
```