

I had pushed the Code to git below is the URL link

<https://github.com/R-NandaKumar/Java-Fsd>

(press ctrl + click)

```
Person.java | HibConfig.java | LoginController.java | PersonController.java | PersonService.java | *PersonServiceImpl.java x
1 package com.service;
2
3 import java.util.List;
4
5 @Service
6 public class PersonServiceImpl implements PersonService {
7
8     private SessionFactory sessionFactory;
9     public PersonServiceImpl() {
10         System.out.println("Connected...");
11         sessionFactory = HibConfig.getSessionFactory();
12     }
13
14     public String AddPerson(Person person) {
15         String res = "err";
16         try {
17             Session session = sessionFactory.openSession();
18             Transaction trans = session.beginTransaction();
19             session.persist(person);
20             trans.commit();
21             res = "Success";
22         } catch (Exception ex) {
23             res = "err";
24         }
25         return res;
26     }
27
28     public List<Person> ViewAll() {
29         Session session = sessionFactory.openSession();
30         TypedQuery<Person> query = session.createQuery("From Person");
31         List<Person> personlist = query.getResultList();
32         return personlist;
33     }
34
35     public Person SearchPerson(int pid) {
36         Session session = sessionFactory.openSession();
37         TypedQuery<Person> query = session.createQuery("From Person where personid=:pid");
38         query.setParameter("pid", pid);
39         List<Person> personlist = query.getResultList();
40         if (personlist.isEmpty()) {
41             return null;
42         }
43         return personlist.get(0);
44     }
45
46     public Person LoginCheck(String user, String pwd) {
47         Session session = sessionFactory.openSession();
48         TypedQuery<Person> query = session.createQuery("From Person where email=:user and password=:pwd");
49         query.setParameter("user", user);
50         query.setParameter("password", pwd);
51         List<Person> personlist = query.getResultList();
52         if (personlist.isEmpty()) {
53             return null;
54         }
55         return personlist.get(0);
56     }
57
58     public String UpdatePerson(Person person) {
59         String res = "err";
60         try {
61             Session session = sessionFactory.openSession();
62             Transaction trans = session.beginTransaction();
63             session.saveOrUpdate(person);
64             trans.commit();
65             res = "Success";
66         } catch (Exception ex) {
67             res = "err";
68         }
69         return res;
70     }
71
72     public String DeletePerson(Person person) {
73         String res = "err";
74         try {
75             Session session = sessionFactory.openSession();
76             Transaction trans = session.beginTransaction();
77             session.delete(person);
78             trans.commit();
79             res = "Success";
80         } catch (Exception ex) {
81             res = "err";
82         }
83         return res;
84     }
85
86     public String ChangePassword(int pid, String newpwd) {
87         String res = "err";
88         try {
89             Session session = sessionFactory.openSession();
90             Transaction trans = session.beginTransaction();
91             TypedQuery<Person> query = session.createQuery("Update Person set password=:newpwd where personid=:pid");
92             query.setParameter("newpwd", newpwd);
93             query.setParameter("pid", pid);
94             query.executeUpdate();
95             trans.commit();
96             res = "Success";
97         } catch (Exception ex) {
98             res = "err";
99         }
100         return res;
101     }
102 }
```

```
Person.java | HibConfig.java | LoginController.java x | PersonController.java | PersonService.java | PersonServiceImpl.java
1 package com.controllers;
2
3
4
5 import org.springframework.beans.factory.annotation.Autowired;
6
7 @Controller
8 public class LoginController {
9
10     @Autowired
11     PersonService ps;
12
13     @GetMapping("/login")
14     public String loginPage(Model m) {
15         return "LoginPage";
16     }
17
18     @PostMapping("/loginProcess")
19     public String loginProcess(@RequestParam String txtUser,
20                               @RequestParam String txtPass,
21                               Model m) {
22         if (txtUser.equals("Admin") && txtPass.equals("admin@123")) {
23             return "redirect:/all";
24         }
25
26         Person p = ps.LoginCheck(txtUser, txtPass);
27         if (p != null) {
28             m.addAttribute("info", p);
29             return "WelcomePage";
30         }
31         m.addAttribute("info", "Please check username/password");
32         return "LoginPage";
33     }
34 }
```

```
Person.java | HiblerConfig.java | LoginController.java | PersonController.java | PersonService.java | PersonServiceImpl.java
1 package com.service;
2
3 import java.util.List;
4
5
6
7 public interface PersonService {
8     public String AddPerson(Person person);
9     public List<Person> ViewAll();
10    public Person SearchPerson(int pid);
11    public Person LoginCheck(String user, String pwd);
12    public String UpdatePerson(Person person);
13    public String DeletePerson(Person person);
14    public String ChangePassword(int pid, String newpwd);
15 }
16
```

```
Person.java | HiblerConfig.java | LoginController.java | PersonController.java | PersonService.java | PersonServiceImpl.java
1 package com.service;
2
3 import java.util.List;
4
5 @RestController
6 public class PersonController {
7
8     @Autowired
9     PersonService personService;
10
11     @PostMapping("/person")
12     public String AddPerson(Person person) {
13         return personService.AddPerson(person);
14     }
15
16     @GetMapping("/person")
17     public List<Person> ViewAll() {
18         return personService.ViewAll();
19     }
20
21     @GetMapping("/person/{pid}")
22     public Person SearchPerson(int pid) {
23         return personService.SearchPerson(pid);
24     }
25
26     @PostMapping("/login")
27     public Person LoginCheck(String user, String pwd) {
28         return personService.LoginCheck(user, pwd);
29     }
30
31     @PutMapping("/person/{pid}")
32     public String UpdatePerson(Person person) {
33         return personService.UpdatePerson(person);
34     }
35
36     @DeleteMapping("/person/{pid}")
37     public String DeletePerson(Person person) {
38         return personService.DeletePerson(person);
39     }
40
41     @PutMapping("/password/{pid}")
42     public String ChangePassword(int pid, String newpwd) {
43         return personService.ChangePassword(pid, newpwd);
44     }
45 }
46
47 @Autowired
48 @Configuration
49 public class HiblerConfig {
50
51     @Autowired
52     @Bean
53     public SessionFactory sessionFactory() {
54         return new SessionFactoryBuilder().buildSessionFactory();
55     }
56
57     @Autowired
58     @Bean
59     public HibernateTemplate hibernateTemplate() {
60         return new HibernateTemplate(sessionFactory());
61     }
62
63     @Autowired
64     @Bean
65     public PersonDao personDao() {
66         return new PersonDaoImpl(hibernateTemplate());
67     }
68
69     @Autowired
70     @Bean
71     public PersonService personService() {
72         return new PersonServiceImpl(personDao());
73     }
74
75     @Autowired
76     @Bean
77     public LoginController loginController() {
78         return new LoginController(personService());
79     }
80
81     @Autowired
82     @Bean
83     public PersonController personController() {
84         return new PersonController(personService());
85     }
86 }
87
```

```
Person.java | HiblerConfig.java | LoginController.java | PersonController.java | PersonService.java | PersonServiceImpl.java
1 package com.configurations;
2
3 import java.util.Properties;
4
5 public class HiblerConfig {
6
7     public static SessionFactory sessionFactory() {
8         Configuration configuration = new Configuration();
9         Properties properties = new Properties();
10
11         properties.put(Environment.DRIVER, "com.mysql.cj.jdbc.Driver");
12         properties.put(Environment.URL, "jdbc:mysql://localhost:3306/highschoolnewdb?");
13         properties.put(Environment.DIALECT, "org.hibernate.dialect.MySQL5Dialect");
14         properties.put(Environment.USER, "root");
15         properties.put(Environment.PASS, "root123");
16         properties.put(Environment.SHOW_SQL, "true");
17         properties.put(Environment.FORMAT_SQL, "true");
18
19         configuration.setProperties(properties);
20         configuration.addAnnotatedClass(Person.class);
21
22         SessionFactory sessionFactory = configuration.buildSessionFactory();
23         return sessionFactory;
24     }
25 }
26
```

```
Person.java × Hibercfig.java LoginController.java PersonController.java PersonService.java PersonServiceImpl.java
1 package com.beans;
2
3 import javax.persistence.Column[]
4
5 @Entity
6 @Table(name="Person_info")
7 public class Person {
8
9     @Id
10     @GeneratedValue
11     private int period;
12
13     @Column(name="person_name")
14     private String pronme;
15
16     private String email;
17     private String passwd;
18     private String phone;
19
20     public int getPeriod() {
21         return period;
22     }
23
24     public void setPeriod(int period) {
25         this.period = period;
26     }
27
28     public String getPrnme() {
29         return pronme;
30     }
31
32     public void setPrnme(String pronme) {
33         this.pronme = pronme;
34     }
35
36     public String getEmail() {
37         return email;
38     }
39
40     public void setEmail(String email) {
41         this.email = email;
42     }
43
44     public String getPasswd() {
45         return passwd;
46     }
47
48     public void setPasswd(String passwd) {
49         this.passwd = passwd;
50     }
51
52     public String getPhone() {
53         return phone;
54     }
55
56     public void setPhone(String phone) {
57         this.phone = phone;
58     }
59
60 }
```

```
AddPersonWithBean.jsp × AddPerson.jsp ChangePwd.jsp LoginPage.jsp ModifyPerson.jsp ViewAllPersons.jsp WelcomePage.jsp demo-servlet.xml web.xml index.jsp
1 <%@ page language="java" contentType="text/html; charset=ISO-8859-1" %>
2 <%@ pageEncoding="ISO-8859-1"%>
3 <%@ page isELIgnored="false" %>
4 <%@ taglib prefix="fn" uri="http://www.springframework.org/tags/form" %>
5 <!DOCTYPE html>
6 <html>
7 <head>
8 <meta charset="ISO-8859-1">
9 <title>Insert title here</title>
10 </head>
11 <body>
12 <div style="text-align:center">
13 <a href="personform">Add New Person</a>
14 <br/><br/>
15 <a href="viewAll">View All Persons</a>
16 <br/><br/>
17 <a href="login">Logout</a>
18 </div>
19 <br/>
20 <div style="text-align:center">Add New Person</div>
21 <br/>
22 <form method="post" action="personform" modelAttribute="person">
23 <div style="text-align:center; width:100%">
24 <input type="text" path="name" placeholder="Person Name " />
25 <br/>
26 <input type="text" path="email" placeholder="Person Email " />
27 <br/>
28 <input type="text" path="passwd" placeholder="Password " />
29 <br/>
30 <input type="text" path="phone" placeholder="Phone Number " />
31 <br/>
32 <input type="submit" value="Add Person" />
33 </div>
34 </form>
35 <div style="color:green;text-align:center">${info}</div>
36 </body>
37 </html>
```

```

AddPersonWithBean.jsp AddPerson.jsp x ChangePwd.jsp LoginPage.jsp ModifyPerson.jsp ViewAllPersons.jsp WelcomePage.jsp demo-servlet.xml web.xml index.jsp
1 <%@ page language="java" contentType="text/html; charset=ISO-8859-1" %>
2 pageEncoding="ISO-8859-1"%>
3 <%@ page isELIgnored="false" %>
4 <!DOCTYPE html>
5 <html>
6 <head>
7 <meta charset="ISO-8859-1">
8 <title>Insert title here</title>
9 </head>
10 <body>
11 <div style="text-align:center">Add New Person</div>
12 <br />
13 <form method="post" action="personadd">
14 <p style="text-align:center; width:100%">
15 <input type="text" name="txtName" placeholder="Person Name" />
16 <br />
17 <input type="text" name="txtEmail" placeholder="Person Email" />
18 <br />
19 <input type="text" name="txtPass" placeholder="Password" />
20 <br />
21 <input type="text" name="txtPhone" placeholder="Phone Number" />
22 <br />
23 <input type="submit" value="Add Person" />
24 </p>
25 </form>
26 <div style="color:green;text-align:center">${info}</div>
27 </body>
28 </html>

```

```

AddPersonWithBean.jsp AddPerson.jsp ChangePwd.jsp x LoginPage.jsp ModifyPerson.jsp ViewAllPersons.jsp WelcomePage.jsp demo-servlet.xml web.xml index.jsp
1 <%@ page language="java" contentType="text/html; charset=ISO-8859-1" %>
2 pageEncoding="ISO-8859-1"%>
3 <%@ page isELIgnored="false" %>
4 <!DOCTYPE html>
5 <html>
6 <head>
7 <meta charset="ISO-8859-1">
8 <title>Insert title here</title>
9 </head>
10 <body>
11 <div style="text-align:center">Change Password</div>
12 <br />
13 <form method="post" action="..chpwd">
14 <p style="text-align:center; width:100%">
15 <input type="hidden" name="txtId" value="${pid}" />
16 <br />
17 <input type="text" name="txtNpwd" placeholder="Enter New Password" />
18 <br />
19 <input type="text" name="txtOpwd" placeholder="Enter Confirm New Password" />
20 <br />
21 <input type="submit" value="Change Password" />
22 </p>
23 </form>
24 <div style="color:red;text-align:center">${msg}</div>
25 </body>
26 </html>

```

```

AddPersonWithBean.jsp AddPerson.jsp ChangePwd.jsp LoginPage.jsp x ModifyPerson.jsp ViewAllPersons.jsp WelcomePage.jsp demo-servlet.xml web.xml index.jsp
1 <%@ page language="java" contentType="text/html; charset=ISO-8859-1" %>
2 pageEncoding="ISO-8859-1"%>
3 <%@ page isELIgnored="false" %>
4 <
5 <!DOCTYPE html>
6 <html>
7 <head>
8 <meta charset="ISO-8859-1">
9 <title>Insert title here</title>
10 </head>
11 <body>
12 
13 <br />
14 <div style="text-align:center">Login Here</div>
15 <br />
16 <form method="post" action="loginProcess">
17 <p style="text-align:center; width:100%">
18 <input type="text" name="txtUser" placeholder="Username/Email" />
19 <br />
20 <input type="password" name="txtPass" placeholder="Password" />
21 <br />
22 <input type="submit" value="Login here" />
23 </p>
24 </form>
25 <div style="color:red;text-align:center">${info}</div>
26 </body>
27 </html>

```

```
1 <%@ page language="java" contentType="text/html; charset=ISO-8859-1" %>
2 pageEncoding="ISO-8859-1"%>
3 <%@ page isELIgnored="false" %>
4 <%@ taglib prefix="fn" uri="http://www.springframework.org/tags/fn" %>
5
6 <!DOCTYPE html>
7 <html>
8 <head>
9 <meta charset="ISO-8859-1">
10 <title>Insert title here</title>
11 </head>
12 <body>
13 <div style="text-align:center">Modify Person</div>
14 <hr />
15 <a href="#_back">Back</a>
16 <hr />
17 <form method="post" action="/updateperson" modelAttribute="per">
18 <div style="text-align:center">100%</div>
19 <input type="text" path="perid" value="${per.perid}" disabled="disabled" />
20 <hr />
21 <input type="text" path="prname" value="${per.prname}" />
22 <hr />
23 <input type="text" path="email" value="${per.email}" />
24 <hr />
25 <input type="text" path="pwd" value="${per.pwd}" />
26 <hr />
27 <input type="text" path="phone" value="${per.phone}" />
28 <hr />
29
30 <input type="submit" value="Change Person Details" />
31 </form>
32 <div style="color:green;text-align:center">${info }</div>
33 </body>
34 </html>
```

```
1 <%@ page language="java" contentType="text/html; charset=ISO-8859-1" %>
2 pageEncoding="ISO-8859-1"%>
3 <%@ page isELIgnored="false" %>
4 <%@ taglib prefix="fn" uri="http://www.springframework.org/tags/fn" %>
5
6 <!DOCTYPE html>
7 <html>
8 <head>
9 <meta charset="ISO-8859-1">
10 <title>Insert title here</title>
11 </head>
12 <body>
13 <div style="text-align:center">Add New Person</div>
14 <div style="text-align:center">
15 <input type="text" path="perid" value="${per.perid}" disabled="disabled" />
16 <hr />
17 <input type="text" path="prname" value="${per.prname}" />
18 <hr />
19 <input type="text" path="email" value="${per.email}" />
20 <hr />
21 <input type="text" path="pwd" value="${per.pwd}" />
22 <hr />
23 <input type="text" path="phone" value="${per.phone}" />
24 <hr />
25
26 <input type="submit" value="Add Person Details" />
27 </div>
28 <div style="color:green;text-align:center">${info }</div>
29 </body>
30 </html>
```

```
1 <%@ page language="java" contentType="text/html; charset=ISO-8859-1" %>
2 pageEncoding="ISO-8859-1"%>
3 <%@ page isELIgnored="false" %>
4 <!DOCTYPE html>
5 <html>
6 <head>
7 <meta charset="ISO-8859-1">
8 <title>Insert title here</title>
9 </head>
10 <body>
11 <div>
12 Welcome to : ${info.prname}
13 <div style="text-align:center">
14 <a href="#_back">Back</a>
15 <a href="#_back">Back</a>
16 <a href="#_back">Back</a>
17 </div>
18 </div>
19 <table border="1" style="width:100%; border-collapse: collapse;">
20 <tr>
21 <th>Person ID</th>
22 <th>Person Name</th>
23 <th>Email</th>
24 <th>Password</th>
25 <th>Phone Number</th>
26 </tr>
27 <tr>
28 <td>${info.perid}</td>
29 <td>${info.prname}</td>
30 <td>${info.email}</td>
31 <td>${info.pwd}</td>
32 <td>${info.phone}</td>
33 </tr>
34 </table>
35 </body>
36 </html>
```

```
AddPersonWithBean.jsp AddPerson.jsp ChangePwd.jsp LoginPage.jsp ModifyPerson.jsp ViewAllPersons.jsp *WelcomePage.jsp demo-servlet.xml web.xml index.jsp ×
1 <%@ page language="java" contentType="text/html; charset=ISO-8859-1"
2   pageEncoding="ISO-8859-1"%>
3 <html>
4 <body>
5 <jsp:forward page="login" />
6 </body>
7 </html>
8
```

```
AddPersonWithBean.jsp AddPerson.jsp ChangePwd.jsp LoginPage.jsp ModifyPerson.jsp ViewAllPersons.jsp *WelcomePage.jsp demo-servlet.xml × web.xml index.jsp
1 <?xml version="1.0" encoding="UTF-8"?>
2
3 <beans xmlns="http://www.springframework.org/schema/beans"
4   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
5   xmlns:p="http://www.springframework.org/schema/p"
6   xmlns:context="http://www.springframework.org/schema/context"
7   xmlns:mvc="http://www.springframework.org/schema/mvc"
8   xsi:schemaLocation="http://www.springframework.org/schema/beans
9     http://www.springframework.org/schema/beans/spring-beans-3.0.xsd
10    http://www.springframework.org/schema/context
11    http://www.springframework.org/schema/context/spring-context-3.0.xsd
12    http://www.springframework.org/schema/mvc
13    http://www.springframework.org/schema/mvc/spring-mvc-3.0.xsd">
14
15   <context:annotation-driven />
16   <context:component-scan base-package="com.controllers" />
17   <context:component-scan base-package="com.beans" />
18   <context:component-scan base-package="com.configurations" />
19   <context:component-scan base-package="com.service" />
20
21   <bean name="/" class="org.springframework.web.servlet.view.InternalResourceViewResolver">
22     <property name="prefix" value="/WEB-INF/WebPages/" />
23     <property name="suffix" value=".jsp" />
24   </bean>
25
26   <resources mapping="/resources/*" location="/resources/"
27     cache-period="31556926"/>
28
29 </beans>
```