

# Displaying User Feedback Source Code

## Pom.xml

```
<?xml version="1.0" encoding="UTF-8"?>

<project xmlns="http://maven.apache.org/POM/4.0.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
https://maven.apache.org/xsd/maven-4.0.0.xsd">

  <modelVersion>4.0.0</modelVersion>

  <parent>

    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-parent</artifactId>
    <version>2.4.3</version>
    <relativePath/> <!-- lookup parent from repository -->
  </parent>

  <groupId>com.example</groupId>
  <artifactId>UserFeedback</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <name>UserFeedback</name>
  <description>Demo project for Spring Boot</description>
  <properties>
    <java.version>1.8</java.version>
  </properties>
  <dependencies>
    <dependency>
      <groupId>org.springframework.boot</groupId>
      <artifactId>spring-boot-starter-data-jpa</artifactId>
    </dependency>
    <dependency>
      <groupId>org.springframework.boot</groupId>
      <artifactId>spring-boot-starter-web</artifactId>
```

</dependency>

<dependency>

<groupId>mysql</groupId>

<artifactId>mysql-connector-java</artifactId>

<scope>runtime</scope>

</dependency>

<dependency>

<groupId>org.projectlombok</groupId>

<artifactId>lombok</artifactId>

<optional>true</optional>

</dependency>

<dependency>

<groupId>javax.servlet</groupId>

<artifactId>jstl</artifactId>

<version>1.2</version>

</dependency>

<dependency>

<groupId>org.apache.tomcat.embed</groupId>

<artifactId>tomcat-embed-jasper</artifactId>

<scope>provided</scope>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-test</artifactId>

<scope>test</scope>

</dependency>

</dependencies>

<build>

```

        <plugins>
            <plugin>
                <groupId>org.springframework.boot</groupId>
                <artifactId>spring-boot-maven-plugin</artifactId>
                <configuration>
                    <excludes>
                        <exclude>
                            <groupId>org.projectlombok</groupId>
                            <artifactId>lombok</artifactId>
                        </exclude>
                    </excludes>
                </configuration>
            </plugin>
        </plugins>
    </build>

</project>

```

### **FeedbackController.java**

```

package com.example.UserFeedback.controllers;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.ui.ModelMap;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.RequestParam;
import org.springframework.web.bind.annotation.ResponseBody;
import org.springframework.web.bind.annotation.RestController;

import com.example.UserFeedback.entities.Feedback;
import com.example.UserFeedback.repositories.FeedbackRepository;
import com.example.UserFeedback.services.FeedbackService;

```

@RestController

public class FeedbackController {

    @Autowired

    FeedbackService feedbackService;

    @Autowired

    FeedbackRepository feedbackRepository;

    @GetMapping(value="/")

    public String showIndexPage(ModelMap model){

        return "<html>\n"

            + "<head>\n"

            + "        <style>\n"

            + "                .center {\n"

            + "                        text-align: center;\n"

            + "                }\n"

            + "                \n"

            + "        </style>\n"

            + "</head>\n"

            + "<body style=\"background-color:lightblue;\">\n"

            + "        <div class=\"center\">\n"

            + "                <h1>User Feedback Page</h1>\n"

            + "                \n"

Feedback</h2>\n"

            + "                \n"

            + "                <a href=\"/feedback\">View all feedback</a>\n"

            + "                <br><br>\n"

            + "        <form method=\"get\" action=\"/update\">\n"

below:</h3>\n"

            + "                <br><h3>Enter your feedback

```

        + "                <input type=\"text\" id=\"comment\"
name=\"comment\" placeholder=\"Comment Here\" required>\n"
        + "                <input type=\"number\" id=\"rating\"
name=\"rating\" placeholder=\"Rating Here\" required>\n"
        + "                <input type=\"text\" id=\"name\"
name=\"name\" placeholder=\"Name Here\" required>        \n"
        + "                <input type=\"submit\" value=\"Enter\"
/>\n"

        + "            </form>"
        + "        </div>\n"
        + "</body>\n"
        + "</html>";
    }

```

```

    @GetMapping("/feedback")
    public @ResponseBody String getAllFeedbacks() {
        // This returns a JSON or XML with the Feedbacks
        Iterable<Feedback> allFB = feedbackRepository.findAll();
        return "<html>\n"
            + "<head>\n"
            + "    <style>\n"
            + "        .center {\n"
            + "            text-align: center;\n"
            + "        }\n"
            + "    \n"
            + "    </style>\n"
            + "</head>\n"
            + "<body style=\"background-color:lightblue;\">\n"
            + "    <div class=\"center\">\n"
            + "<h1>Feedback Table</h1>\n"
            + allFB.toString()
            + "    </div>\n"
            + "</body>\n"

```

```
        + "</html>";  
    }  
  
}
```

### **RestUpdateController.java**

```
package com.example.UserFeedback.controllers;  
  
import org.springframework.beans.factory.annotation.Autowired;  
import org.springframework.web.bind.annotation.GetMapping;  
import org.springframework.web.bind.annotation.RequestMapping;  
import org.springframework.web.bind.annotation.RequestMethod;  
import org.springframework.web.bind.annotation.RequestParam;  
import org.springframework.web.bind.annotation.RestController;  
  
import com.example.UserFeedback.entities.Feedback;  
import com.example.UserFeedback.repositories.FeedbackRepository;  
import com.example.UserFeedback.services.FeedbackService;  
  
@RestController  
public class RestUpdateController  
{  
  
    @Autowired  
    FeedbackService feedbackService;  
  
    @Autowired  
    FeedbackRepository feedbackRepository;  
  
    @GetMapping("/update")
```

```

    public String getEmployeeByName(@RequestParam("comment") String comment,
    @RequestParam("rating") int rating, @RequestParam("name") String name) {

        Feedback f= new Feedback(count()+1, comment, rating, name);
        feedbackRepository.save(f);

        return "<html>\n"

            + "<head>\n"
            + "    <style>\n"
            + "        .center {\n"
            + "            text-align: center;\n"
            + "        }\n"
            + "    \n"
            + "    </style>\n"
            + "</head>\n"
            + "<body style=\"background-color:lightblue;\">\n"
            + "    <div class=\"center\">\n"
            + "        <h1>User Feedback Page</h1>\n"
            + "        \n"
            + "        <h2 class=\"hello-title\">Successfully Added
Your Feedback</h2>\n"
            + "        \n"
            + "        <a href=\"/feedback\">Click here to view all
feedback</a>\n"
            + "    </div>\n"
            + "</body>\n"
            + "</html>";

    }

    public Integer count() {
        int i = 1;
        while(feedbackRepository.existsById(i))

```

```
        i++;  
    return i;  
}  
}
```

### **Feedback.java**

```
package com.example.UserFeedback.entities;
```

```
import javax.persistence.Entity;  
import javax.persistence.GeneratedValue;  
import javax.persistence.GenerationType;  
import javax.persistence.Id;
```

```
import lombok.Data;
```

```
@Entity
```

```
@Data
```

```
public class Feedback {
```

```
    @Id
```

```
    @GeneratedValue(strategy=GenerationType.AUTO)
```

```
    private Integer id;
```

```
    private String comments;
```

```
    private int rating;
```

```
    private String user;
```

```
    public Feedback()
```

```
    {
```

```
    }
```

```
    public Feedback(Integer id, String comments, int rating, String user)
```

```
    {
```



```

        this.id = id;

        this.comments = comments;

        this.rating = rating;

        this.user = user;
    }

    @Override
    public String toString()
    {
        return "<br><h3>" + user + " [" + id + "]" + " commented:</h3><h4>\"" +
comments + "\" and rated: " + rating + "</h4><br>";
    }
}

```

### **FeedbackRepository.java**

```

package com.example.UserFeedback.repositories;

import org.springframework.data.repository.CrudRepository;

import com.example.UserFeedback.entities.*;

public interface FeedbackRepository extends CrudRepository<Feedback, Integer>{

}

```

### **FeedbackService.java**

```

package com.example.UserFeedback.services;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Service;

import com.example.UserFeedback.entities.Feedback;

```

```
import com.example.UserFeedback.repositories.*;
```

```
@Service
```

```
public class FeedbackService {
```

```
    @Autowired
```

```
    private FeedbackRepository feedbackRepository;
```

```
    public Iterable<Feedback> GetAllFeedback() {
```

```
        return feedbackRepository.findAll();
```

```
    }
```

```
}
```

### **UserFeedbackApplication.java**

```
package com.example.UserFeedback;
```

```
import org.springframework.boot.SpringApplication;
```

```
import org.springframework.boot.autoconfigure.SpringBootApplication;
```

```
@SpringBootApplication
```

```
public class UserFeedbackApplication {
```

```
    public static void main(String[] args) {
```

```
        SpringApplication.run(UserFeedbackApplication.class, args);
```

```
    }
```

```
}
```

### **application.properties**

spring.mvc.view.prefix=/src/static/

spring.mvc.view.suffix=.html

spring.datasource.url=jdbc:mysql://localhost:3306/feedbackdb

spring.datasource.username=root

spring.datasource.password=12345

spring.jpa.hibernate.ddl-auto=create

spring.jpa.show-sql=true

server.port=8080

spring.jpa.properties.hibernate.dialect = org.hibernate.dialect.MySQL5Dialect

spring.jpa.properties.hibernate.id.new\_generator\_mappings = false

spring.jpa.properties.hibernate.format\_sql = true

### **index.jsp**

<html>

<head>

    <style>

        .center {

            text-align: center;

        }

    </style>

</head>

<body style="background-color:lightblue;">

    <div class="center">

        <h1>User Manager</h1>

        <h2 class="hello-title">Search for a User and Update Information</h2>

        <a href="/feedback">View all feedback</a>

<br><br>

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

Enter an id from the user table: <input type="text" id="id" name="id" placeholder="Type here" required><input type="submit" value="Enter" />

</form>

</div>

</body>

</html>