

## 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>2.7.3</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>17</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>
  </dependencies>
</project>
```

```

<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>
  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-devtools</artifactId>
  </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>

```

## FEEDBACK CONTROLLER.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"  
            + "        a {\n"  
            + "            text-decoration: None;\n"  
            + "            color:black;\n"  
            + "        }\n"  
            + "        #comment, #rating, #name {\n"  
            + "            padding: 16px;\n"  
            + "            margin:4px;\n"  
            + "            border-radius:4px;\n"  
            + "        }\n"  
            + "    \n"  
            + "    </style>\n"  
            + "</head>\n"  
            + "<body>\n"  
            + "    <div class=\"center\">\n"  
            + "        <h1>User Feedback Page</h1>\n"  
            + "        \n"  
            + "        \n"  
            + "        <br><br>\n"  
            + "        <form method=\"get\" action=\"/update\">\n"  
            + "            <br><h3>Enter your feedback  
below:</h3>\n"  
            + "                <input type=\"text\" id=\"comment\"  
name=\"comment\" placeholder=\"Enter Comment Here...\" required>\n"  
            + "                <input type=\"number\" id=\"rating\"  
name=\"rating\" placeholder=\"Enter Rating Here...\" required>\n"  
            + "                <input type=\"text\" id=\"name\"  
name=\"name\" placeholder=\"Enter UserName Here...\" required> <br><br>          \n"  
            + "                <input type=\"submit\" value=\"Submit\" /> &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~\n"  
            + "        <button><a href=\"/feedback\">View all  
feedback</a></button>\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"
            + "            align-items: center;\n"
            + "        }\n"
            + "    \n"
            + "    </style>\n"
            + "</head>\n"
            + "<body >\n"
            + "    <div class=\"center\">\n"
            + "<h1>Feedback Table</h1>\n"
            //
            + "<table
border='1'>"+<tr><th>"+ "UserName"+ "</th>"+ "<tr><th>"+ "Id"+ "</th>"+ "<tr><th>"+ "Co
mments"+ "</th>"+ "<tr><th>"+ "Rating"+ "</th></tr>"
            + allFB.toString()
            + "    </div>\n"
            + "</body>\n"
            + "</html>";
    }

}

```

## RESTUPDATE CONTROLLER.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>\n"
            + "    <div class=\"center\">\n"
            + "        <h1>User Feedback Page</h1>\n"
            + "        \n"
            + "        <h2 class=\"hello-title\">Successfully Added
//
Your Feedback</h2>\n"
            + "        \n"
            + "        <button><a href=\"/feedback\">Click here to
view all feedback</a></button>\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>";
        return(
            "<style>\n" +
            "table {\n" +
            " font-family: Arial, Helvetica, sans-serif;\n" +
            " border-collapse: collapse;\n" +
            " width: 100%;\n" +
            "}\n" +
            "\n" +
            "table td, table th {\n" +
            " border: 1px solid #ddd;\n" +
            " padding: 8px;\n" +
            "}\n" +
            "\n" +
            "table tr:nth-child(even){background-color: #f2f2f2;}\n" +

```

```

"\n" +
"table tr:hover { background-color: #ddd;}\n" +
"\n" +
"table th {\n" +
" padding-top: 12px;\n" +
" padding-bottom: 12px;\n" +
" text-align: left;\n" +
" background-color: #4CAF50;\n" +
" color: white;\n" +
"}\n" +
"</style>"
+ "<table border='2' style='margin-left: auto;\n" +
" margin-right: auto;width:50%;>"
+ "<tr>"
+ "<th> UserName </th>"
+ "<th> Id </th>"
+ "<th> Comments </th>"
+ "<th> Rating </th>"
+ "</tr>"
+ "<td>"+user+"</td>"
+ "<td>"+id+"</td>"
+ "<td>"+comments+"</td>"
+ "<td> rating </td>"
+ "</tr>"
+ "</table>");
}
}

```

### **FEEDBACK REPOSITORY.JAVA:**

```

package com.example.UserFeedback.repositories;

import org.springframework.data.repository.CrudRepository;

import com.example.UserFeedback.entities.*;

public interface FeedbackRepository extends CrudRepository<Feedback, Integer>{

}

```

### **USERFEEDBACK APPLICATION.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);
    }
}

```

## INDEX.JSP:

```

<html>
<head>
    <style>
        .center {
            text-align: center;
            align-items:center;
        }
        a{
            text-decoration:None;
            color:black;
        }
    </style>
</head>
<body>
    <div class="center">
        <h1>User Feedback</h1>

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

        <br><br>
        <form method="post" action="update">
            Enter id: <input type="text" id="id" name="id" placeholder="Type
here" required>
            <br>
            <br>
            <input type="submit" value="Enter" />
            <button><a href="/feedback">View all feedback</a></button>
        </form>
    </div>
</body>
</html>

```

## APPLICATION.PROPERTIES:

```

spring.jpa.hibernate.ddl-auto=update
spring.datasource.url=jdbc:mysql://${MYSQL_HOST:localhost}:3306/userdb
spring.datasource.username=root
spring.datasource.password=hell@235

```

```

spring.mvc.view.prefix=/webapp/jsp/
spring.mvc.view.suffix=.jsp
server.port=8092

```