# Project Name: Displaying User Feedback.

## GitHub Link:

<https://github.com/tamasjit/myjavaproject/tree/master/Phase%203/Phase-3_Practice_Project/q2_UserFeedback>

## Source Code:

### Jsp:

#### Index.jsp:

<html>

<head>

    <style>

        .center {

            text-align: center;

        }

    </style>

</head>

<body>

    <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>

### Controller:

#### 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:lightyellow;\">\n"

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

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

                + "     \n"

                + "     <h2 class=\"hello-title\">View and Send User Feedback</h2>\n"

                + "     \n"

                + "     <a href=\"/feedback\">View all feedback</a>\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=\"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:lightyellow;\">\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:lightyellow;\">\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;

    }

}

### Entities

#### 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>";

    }

}

### Repositories

#### 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>{

}

### Services:

#### 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);

    }

}

### Resources:

#### Application.properties:

spring.jpa.hibernate.ddl-auto=update

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

spring.datasource.username=root

spring.datasource.password=Abc@123

logging.level.org.springframework.web: DEBUG

spring.mvc.view.prefix=/WEB-INF/jsp/

spring.mvc.view.suffix=.jsp

server.port=8090

server.error.whitelabel.enabled=false

### test:

#### userFeedbackApplicationTests.java:

package com.example.UserFeedback;

import org.junit.jupiter.api.Test;

import org.springframework.boot.test.context.SpringBootTest;

@SpringBootTest

class UserFeedbackApplicationTests {

    @Test

    void contextLoads() {

    }

}

#### 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>