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);
    }

}
```

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"
```

```java
                        + "    <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>";
    }


}



package com.example.UserFeedback.controllers;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.web.bind.annotation.GetMapping;
```

```java
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;
    }
}
```

UserFeedback.entities

```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>";
    }
}
```

```java
package com.example.UserFeedback.repositories;

import org.springframework.data.repository.CrudRepository;

import com.example.UserFeedback.entities.*;

public interface FeedbackRepository extends CrudRepository<Feedback,
Integer>{

}
```

```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();
    }

}
```

Application.properties

```properties
spring.jpa.hibernate.ddl-auto=update
spring.datasource.url=jdbc:mysql://localhost:3306/Auther
spring.datasource.username=root
spring.datasource.password=root


logging.level.org.springframework.web: DEBUG
spring.mvc.view.prefix=/WEB-INF/jsp/
spring.mvc.view.suffix=.jsp
server.port=8080

server.error.whitelabel.enabled=false
```

```java
package com.example.UserFeedback;

import org.junit.jupiter.api.Test;
import org.springframework.boot.test.context.SpringBootTest;

@SpringBootTest
class UserFeedbackApplicationTests {

    @Test
    void contextLoads() {
    }

}
```

```html
<html>
```

```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>
```

Pom.xml

```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>
```

```xml
            <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>
```