**PHASE3-SECONDPROJECT-SOURCECODE**

**Class:UserFeedbackApplication**

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);

}

}

ServletInitializer

package com.example.UserFeedback;

import org.springframework.boot.builder.SpringApplicationBuilder;

import org.springframework.boot.web.servlet.support.SpringBootServletInitializer;

public class ServletInitializer extends SpringBootServletInitializer {

@Override

protected SpringApplicationBuilder configure(SpringApplicationBuilder application) {

return application.sources(UserFeedbackApplication.class);

}

}

FeedbackController

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.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"

+ " <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:lightblue;\">\n"

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

+ "<h1>Feedback Table</h1>\n"

+ allFB.toString()

+ " </div>\n"

+ "</body>\n"

+ "</html>";

}

}

RestUpdateController

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.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

package com.example.UserFeedback.entities;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import lombok.Data;

@Data

@Entity

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

package com.example.UserFeedback.repositories;

import org.springframework.data.repository.CrudRepository;

import com.example.UserFeedback.entities.Feedback;

public interface FeedbackRepository extends CrudRepository<Feedback, Integer>{

}

FeedbackService

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.FeedbackRepository;

@Service

public class FeedbackService {

@Autowired

private FeedbackRepository feedbackRepository;

public Iterable<Feedback> GetAllFeedback() {

return feedbackRepository.findAll();

}

}

Application.properties:

spring.jpa.hibernate.ddl-auto=update

spring.datasource.url=jdbc:mysql://${MYSQL\_HOST:localhost}:3306/springauth

spring.datasource.username=root

spring.datasource.password=root

server.port=8080

spring.mvc.view.prefix=/webapp/jsp/

spring.mvc.view.suffix=.jsp

index.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html>

<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>

UserFeedback/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>2.7.1</version>

<relativePath/> <!-- lookup parent from repository -->

</parent>

<groupId>com.example</groupId>

<artifactId>UserFeedback</artifactId>

<version>0.0.1-SNAPSHOT</version>

<packaging>war</packaging>

<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>

</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-tomcat</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>

MYSQL TABLE

create database springauth;

use springauth;

CREATE TABLE `feedback` (

`id` int NOT NULL AUTO\_INCREMENT,

`comments` varchar(255) DEFAULT NULL,

`rating` int NOT NULL,

`user` varchar(255) DEFAULT NULL,

PRIMARY KEY (`id`)

) ENGINE=InnoDB AUTO\_INCREMENT=4 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci ;

insert into feedback (comments, rating, user) VALUES ("Awesome", 10, "tim");

insert into feedback (comments, rating, user) VALUES ("Great", 9, "Sim");

insert into feedback (comments, rating, user) VALUES ("Nice", 7, "Bim");

select \* from feedback;