

KIRANKUMAR D NATIKAR

EMP ID NO:2576955

SOURCE:

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>3.1.0</version>
        <relativePath/> <!-- lookup parent from repository -->
    </parent>
    <groupId>com.ecommerce</groupId>
    <artifactId>UerFeedback</artifactId>
    <version>0.0.1-SNAPSHOT</version>
    <name>UerFeedback</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>com.mysql</groupId>
            <artifactId>mysql-connector-j</artifactId>
            <scope>runtime</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>
            </plugin>
        </plugins>
    </build>
</project>
```

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EMP ID NO:2576955

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</project>

Feedback.java:

```
package com.ecommerce.entity;

import jakarta.persistence.Column;
import jakarta.persistence.Entity;
import jakarta.persistence.GeneratedValue;
import jakarta.persistence.GenerationType;
import jakarta.persistence.Id;
import jakarta.persistence.Table;

@Entity
@Table(name = "feedback")
public class Feedback {

    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private Long id;

    @Column(nullable = false)
    private String name;

    @Column(nullable = false)
    private String email;

    @Column(nullable = false)
    private int rating;

    @Column
    private String comment;

    // Constructors, getters, and setters

    public Feedback() {
    }

    public Feedback(String name, String email, int rating, String comment) {
        this.name = name;
        this.email = email;
        this.rating = rating;
        this.comment = comment;
    }

    // Getters and setters

    public Long getId() {
        return id;
    }
}
```

KIRANKUMAR D NATIKAR

EMP ID NO:2576955

SOURCE:

```
    public void setId(Long id) {
        this.id = id;
    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }

    public String getEmail() {
        return email;
    }

    public void setEmail(String email) {
        this.email = email;
    }

    public int getRating() {
        return rating;
    }

    public void setRating(int rating) {
        this.rating = rating;
    }

    public String getComment() {
        return comment;
    }

    public void setComment(String comment) {
        this.comment = comment;
    }
}
```

FeedbackController:

```
package com.ecommerce.controller;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.http.MediaType;
import org.springframework.web.bind.annotation.PostMapping;
```

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```
import org.springframework.web.bind.annotation.RequestParam;
import org.springframework.web.bind.annotation.RestController;
```

```
import com.ecommerce.entity.Feedback;
```

```
import com.ecommerce.repository.FeedbackRepository;
```

```
@RestController
```

```
public class FeedbackController {
```

```
    private final FeedbackRepository feedbackRepository;
```

```
    @Autowired
```

```
    public FeedbackController(FeedbackRepository feedbackRepository) {
```

```
        this.feedbackRepository = feedbackRepository;
```

```
    }
```

```
    @PostMapping(value = "/api/feedback", consumes =
    MediaType.APPLICATION_FORM_URLENCODED_VALUE)
```

```
    public String createFeedback(@RequestParam("comment") String comment, @RequestParam("email")
    String email,
```

```
                                @RequestParam("name") String name, @RequestParam("rating") int rating) {
```

```
        Feedback feedback = new Feedback(name, email, rating, comment);
```

```
        feedbackRepository.save(feedback);
```

```
        return "Feedback submitted successfully";
```

```
    }
```

```
}
```

FeedbackRepository:

```
package com.ecommerce.repository;
```

```
import org.springframework.data.jpa.repository.JpaRepository;
```

```
import org.springframework.stereotype.Repository;
```

```
import com.ecommerce.entity.Feedback;
```

```
@Repository
```

```
public interface FeedbackRepository extends JpaRepository<Feedback, Long> {
```

```
}
```

index.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <meta charset="UTF-8">
```

```
    <title>User Feedback</title>
```

```
    <style>
```

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SOURCE:

```
body {
    font-family: Arial, sans-serif;
    margin: 20px;
}

h1 {
    text-align: center;
}

form {
    max-width: 400px;
    margin: 0 auto;
}

label {
    display: block;
    margin-top: 10px;
}

input[type="text"],
input[type="email"],
textarea {
    width: 100%;
    padding: 5px;
    font-size: 16px;
}

button[type="submit"] {
    display: block;
    margin-top: 20px;
    padding: 10px 20px;
    background-color: #4CAF50;
    color: #fff;
    border: none;
    cursor: pointer;
}

button[type="submit"]:hover {
    background-color: #45a049;
}
</style>
</head>
<body>
<h1>User Feedback</h1>
<form id="feedbackForm" method="POST" action="/api/feedback" enctype="application/json">
    <label for="name">Name:</label>
    <input type="text" id="name" name="name" required>

    <label for="email">Email:</label>
    <input type="email" id="email" name="email" required>

    <label for="rating">Rating:</label>
    <input type="number" id="rating" name="rating" min="1" max="5" required>

    <label for="comment">Comment:</label>
```

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```
<textarea id="comment" name="comment" rows="4" cols="50"></textarea>

<button type="submit">Submit Feedback</button>
</form>
</body>
</html>
```

application.properties:

```
spring.datasource.url=jdbc:mysql://localhost:3306/ecommerce?useSSL=false&serverTimezone=UTC
spring.datasource.username=root
spring.datasource.password=kiran@1312
spring.jpa.show-sql=true
spring.jpa.hibernate.ddl-auto=update
```

SQL Database:

```
CREATE TABLE feedback (

id INT AUTO_INCREMENT PRIMARY KEY,

name VARCHAR(255) NOT NULL,

email VARCHAR(255) NOT NULL,

rating INT NOT NULL,

comment VARCHAR(1000)

);
```