

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>
```

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;
    }

    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;
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>
        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>
    <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=ratnamala1999
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)
);

```