Phase - 3 Practice Project

**2. Displaying User Feedback**

* **Algorithm**

1. Set up the development environment:
   * Install the required software tools such as JDK, IDE, and build tool (e.g., Maven).
2. Create a new Maven project:
   * Use the Maven command or IDE wizard to create a new Maven project.
   * Specify the necessary project details like GroupId, ArtifactId, and Project Name.
   * Set the Java version to 8 or above.
3. Add dependencies and plugins:
   * Update the project's pom.xml file with the necessary dependencies, including Spring Boot, Spring Web, Spring Data JPA, and the MySQL Connector/J.
4. Create package and class structures:
   * Create the necessary directory structure for the Java source code (src/main/java).
   * Create the package com.ecommerce.FeedbackProject.controllers.
   * Create a new Java class named FeedbackController.java inside the package.
   * Copy the provided code for the FeedbackController class into the newly created file.
5. Create entity and repository classes:
   * Create the package com.ecommerce.FeedbackProject.entity.
   * Create a new Java class named Feedback.java inside the entity package.
   * Copy the provided code for the Feedback class into the newly created file.
   * Create the package com.ecommerce.FeedbackProject.repository.
   * Create a new Java interface named FeedbackRepository.java inside the repository package.
   * Copy the provided code for the FeedbackRepository interface into the newly created file.
6. Create the FeedbackProjectApplication class:
   * Create a new Java class named FeedbackProjectApplication.java in the root package.
   * Copy the provided code for the FeedbackProjectApplication class into the newly created file.
7. Create resources directory and files:
   * Create the src/main/resources directory.
   * Inside the src/main/resources directory, create a file named application.properties.
   * Copy the provided content for the application.properties file into the newly created file.
   * Create the src/main/resources/templates directory.
   * Inside the src/main/resources/templates directory, create a file named index.html.
   * Copy the provided content for the index.html file into the newly created file.
8. Set up the MySQL database:
   * Install MySQL if not already installed.
   * Create a new database named userdb.
   * Execute the SQL statements provided to create the feedback table within the userdb database.
9. Build and run the application:
   * Use the Maven command or IDE's build feature to compile and package the application.
   * Run the FeedbackProjectApplication class to start the Spring Boot application.
   * Monitor the application logs for successful startup. 10.Access the feedback form:
   * Open a web browser and navigate to http://localhost:8080.
   * The feedback form should be displayed in the browser. 11.Test the feedback submission:
   * Fill in the feedback form with appropriate values for name, email, rating, and comment.
   * Click the "Submit Feedback" button.
   * Verify that the feedback is successfully submitted by checking the displayed success message or the application logs.