**Name:** Ritwik Shukla

**Roll Number:** 2006359

Problem Statement 2

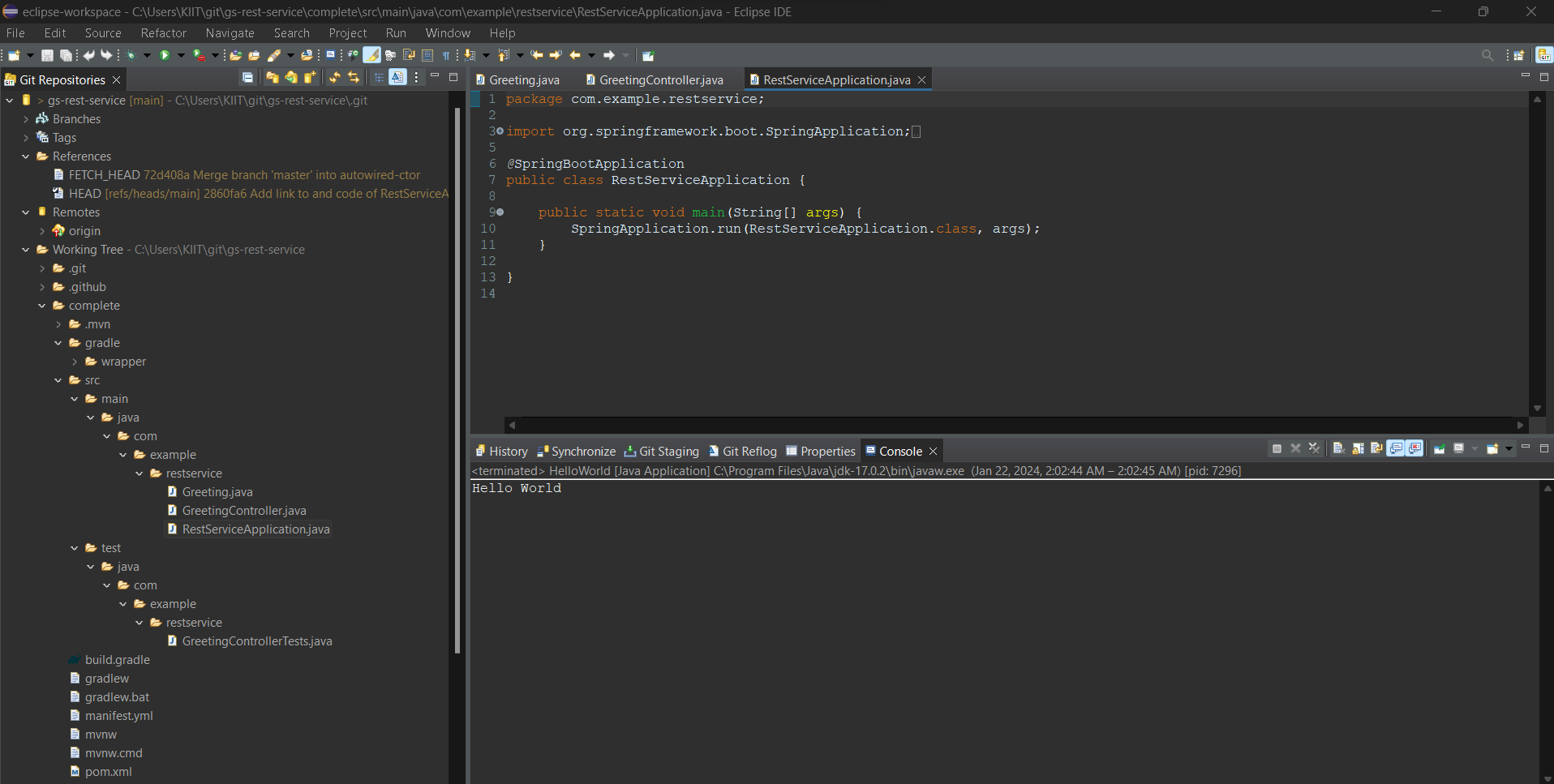
In this task you will be testing a Java-based application built with Spring Boot, using the Cucumber framework. Cucumber is a tool for running automated acceptance tests written in a behaviour-driven development (BDD) style.

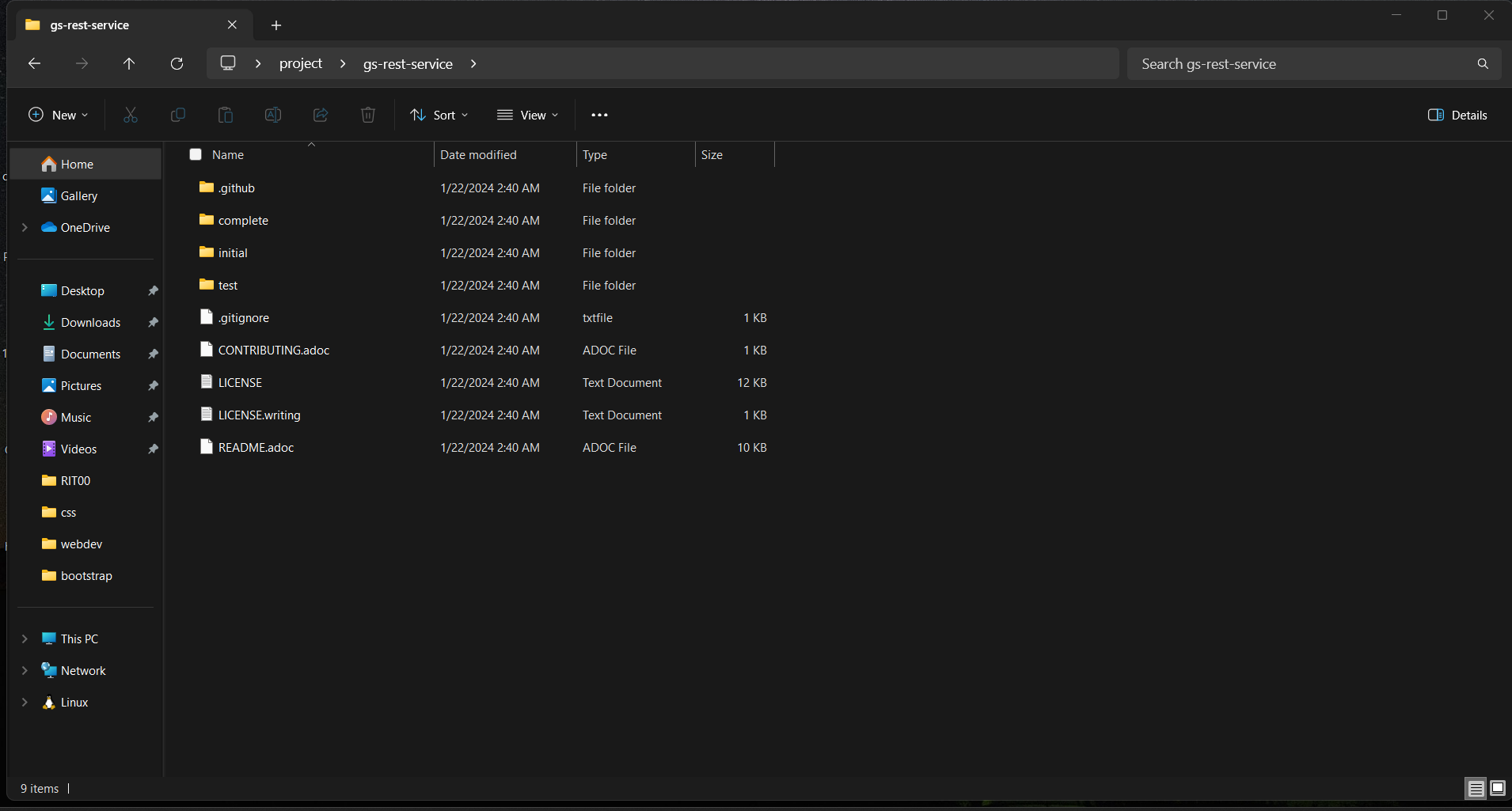
End-to-End Testing of a Spring Boot Java Project with Cucumber

Step 1: Understand the Project

1. Clone the Spring Boot project from the provided GitHub link.

2. Explore the project to understand its structure and functionalities.

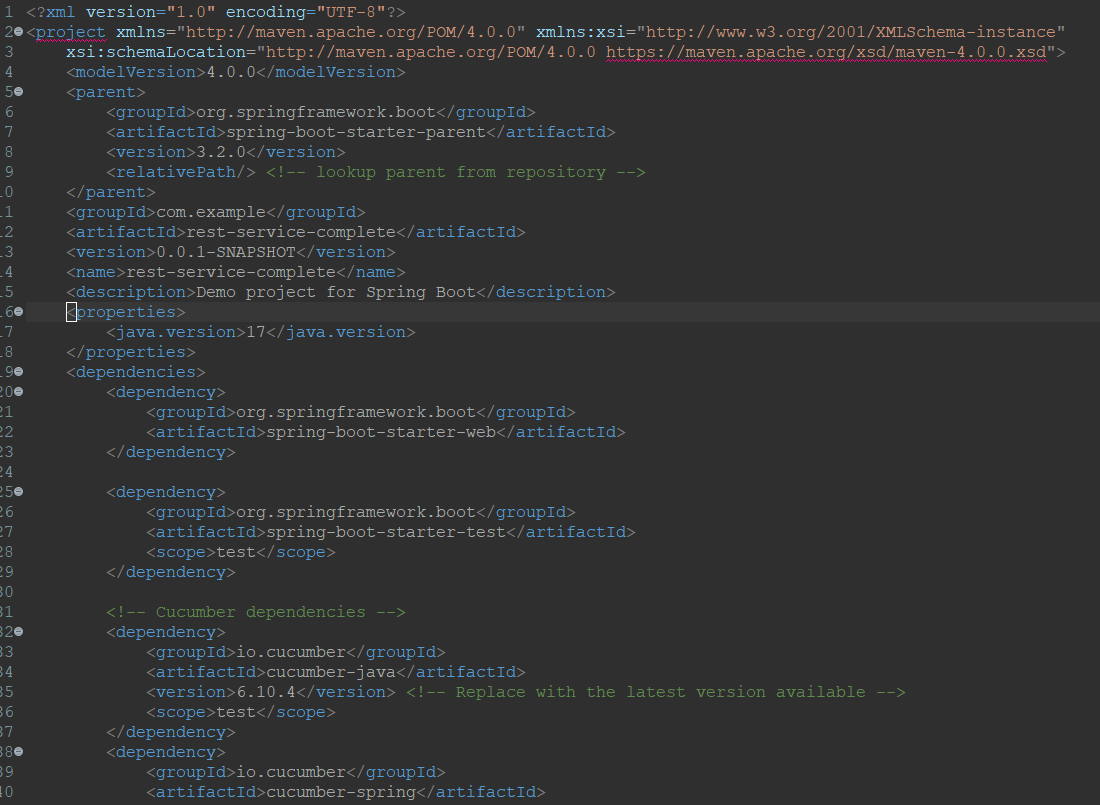


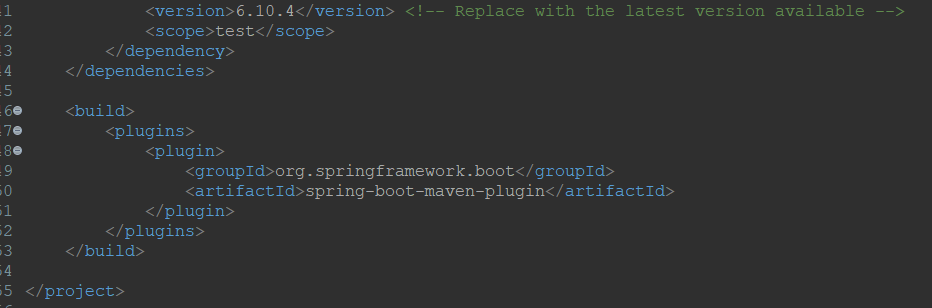


Step 2: Set Up Cucumber

1. Add Cucumber dependencies to the project's build configuration file (`pom.xml` for Maven or `build.gradle` for Gradle).

2. Set up the Cucumber environment in your IDE.





Step 3: Write Cucumber Test Scenarios

1. Create feature files in the `src/test/resources` directory.

2. Write test scenarios in Gherkin language that describe the expected behavior of the application.

Step 4: Implement Step Definitions

1. Create step definition classes in the `src/test/java` directory.

2. Implement the steps for each scenario written in the feature files.

Step 5: Configure Cucumber Options

1. Configure Cucumber options in a runner class or using a `cucumber.properties` file to specify features, glue, plugins, etc.



