

Project: REST Assured Practice _ JSONPlaceholder

<https://jsonplaceholder.typicode.com>

Objective: Create a Java project to interact with the JSONPlaceholder API's /users and /posts endpoints using Rest Assured, emphasizing Object-Oriented Programming principles and Serialization. Write TestNG test cases to validate the functionality.

Tools and Technologies:

- Java
- Rest Assured
- Gson/jackson (for serialization and deserialization)
- TestNG

Project Structure:

1. Implement a modular project structure with the following packages:
 - models: Contains model classes for representing API data.
 - services: Contains service classes for handling API requests.
2. Create a User and Post POJO classes (in the models package).
3. Implement a UserServices and PostServices classes (in the services package) with the following:
 - Base URL for the JSONPlaceholder API (<https://jsonplaceholder.typicode.com>).
 - Methods mentioned in the documentations for /user and /post endpoints using Rest Assured.
 - Constructor to initialize the Services.
 - Method to deserializing the API response.
4. Extract all the possible test scenarios and write TestNG test cases (in the test package) to validate the functionality.

Dependencies:

- Add dependencies for Rest Assured, Gson, and TestNG in your project.

Instructions:

1. Set up a new Java project using maven framework.
2. Create the specified project structure and packages.
3. Implement the UserService, PostService and POJO classes according to the provided guidelines.
4. Write TestNG test cases in the test packages to validate the functionality of the services class.

Tips:

- Explore the JSONPlaceholder API documentation for additional details on the /users /posts endpoints.

Submission: Provide the source code for your project, including the main classes and the test classes. And, include any necessary instructions or notes related to the project.

Please push your code to GitHub repo and add its link here: [Drive folder](#) [Create new text file contains your name and the repo link].