

API Automation POC using POSTMAN/RestAssured (Both) with cucumber BDD framework

1. Create the fake API using JSON server.

Install JSON Server

```
npm install -g json-server
```

2. Create a Folder where you want to create db.json file.
3. Create a db.json file with some data under the created folder using this command and Start JSON Server

```
json-server --watch db.json
```

4. You will get the API like that way.

```
C:\Users\Walkingtree\Desktop\API>json-server --watch db.json

\{^_^}/ hi!

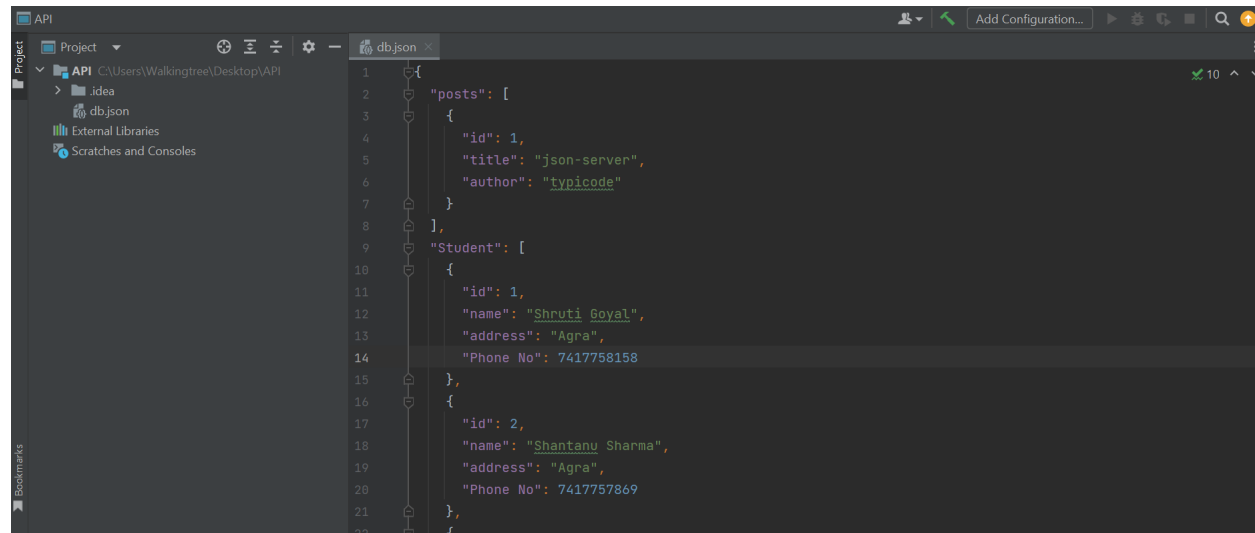
Loading db.json
Done

Resources
http://localhost:3000/posts
http://localhost:3000/Student

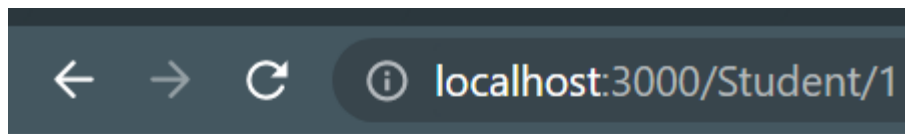
Home
http://localhost:3000

Type s + enter at any time to create a snapshot of the database
Watching...
```

5. Open the json file in your editor and update the data according to your requirements.

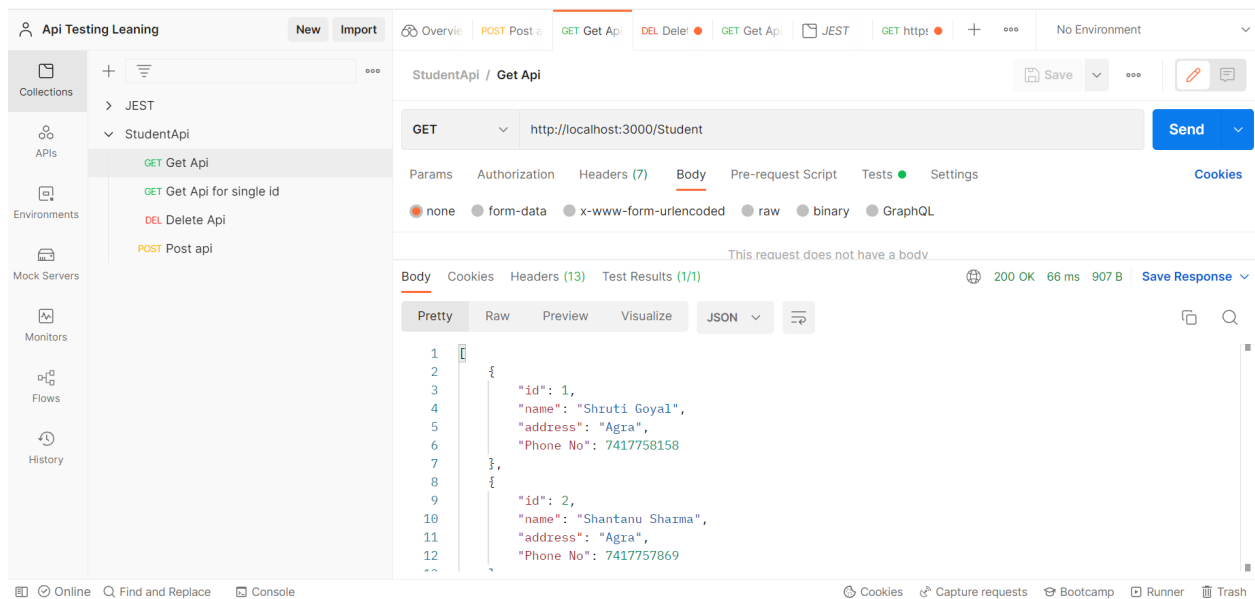


6. Run the Api in your local host.



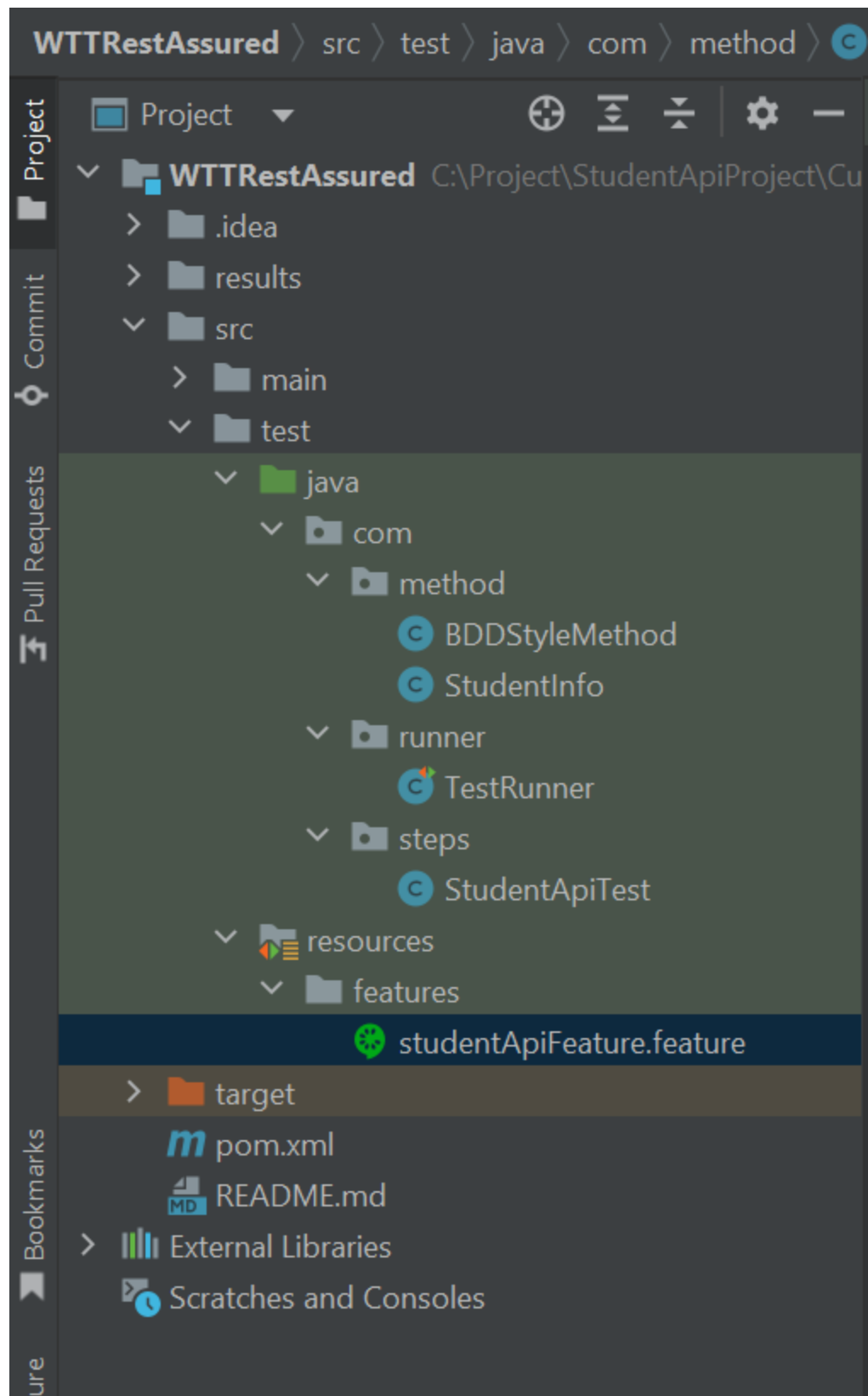
```
{
  "id": 1,
  "name": "Shruti Goyal",
  "address": "Agra",
  "Phone No": 7417758158
}
```

7. Run the api in postman and create a collection of the CRUD operation.

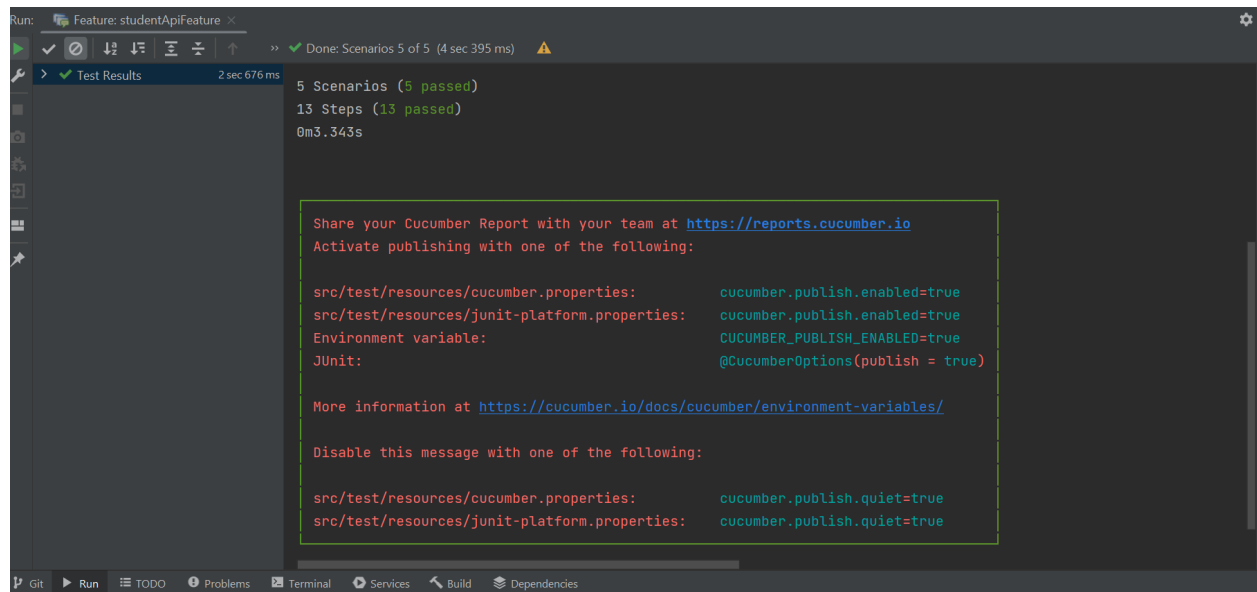


8. Open the IntelliJ and create a maven project and add dependencies.

9. Start designing the automation script using cucumber with rest assured.
Create the Feature file, Runner and Step class.



10. Run the automation script and get a response.



The screenshot shows an IDE window titled "Run: Feature: studentApiFeature". The "Test Results" tab is active, displaying the following summary:

- 5 Scenarios (5 passed)
- 13 Steps (13 passed)
- 0m3.343s

Below the summary, a green dashed box contains the following text:

```
Share your Cucumber Report with your team at https://reports.cucumber.io  
Activate publishing with one of the following:  
  
src/test/resources/cucumber.properties:      cucumber.publish.enabled=true  
src/test/resources/junit-platform.properties: cucumber.publish.enabled=true  
Environment variable:                        CUCUMBER_PUBLISH_ENABLED=true  
JUnit:                                       @CucumberOptions(publish = true)  
  
More information at https://cucumber.io/docs/cucumber/environment-variables/  
  
Disable this message with one of the following:  
  
src/test/resources/cucumber.properties:      cucumber.publish.quiet=true  
src/test/resources/junit-platform.properties: cucumber.publish.quiet=true
```

The IDE's bottom status bar shows various icons for Git, Run, TODO, Problems, Terminal, Services, Build, and Dependencies.