🔒 gaurang053 / **petStore**   Private

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⑂ master ▾	⑂ 1 branch	⬡ 0 tags		Go to file	Add file ▾	⬇ Code ▾

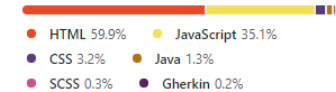|	gaurang.vadher Update README.md		610d52d 29 seconds ago	⦿ 44 commits
📁	.settings	Removed src main resources test folder	3 days ago
📁	ExecutionReport	TestReport Added	7 hours ago
📁	src/test	Updated README and Rename method name	3 hours ago
📄	.classpath	Removed src main resources test folder	3 days ago
📄	.gitattributes	updated cucumber-serenity-restassured skeleton	3 days ago
📄	.gitignore	removed target folder	3 days ago
📄	.project	updated cucumber-serenity-restassured skeleton	3 days ago
📄	ProjectStructure.png	Added Project Structure Screenshot	3 minutes ago
📄	README.md	Update README.md	29 seconds ago
📄	TestReport.png	Updated README file	4 hours ago
📄	execute.bat	Updated ReadMe file	4 hours ago
📄	pom.xml	Features completed	2 days ago
📄	rest-assured-logo-green.png	Update ReadMe file	4 hours ago
📄	serenity.properties	updated cucumber-serenity-restassured skeleton	3 days ago

About

serenity-restassured-cucumber

📖 Readme

Releases

No releases published
Create a new release

Packages

No packages published
Publish your first package

Languages

- ● HTML 59.9%   ● JavaScript 35.1%
- ● CSS 3.2%   ● Java 1.3%
- ● SCSS 0.3%   ● Gherkin 0.2%

README.md   ✎

REST-assured

Appplicatin : PetStore

Pet store is Serenity BDD framework based REST API Automation project. Imagine you are a part of the team that perfoms quality assuarnce for a Pet store application, The frontend design is under development but API has already been published. QA collobrate with developer team to make the feature more robusy, by targetting to write tests for some workflows that they might break while developing busines logic.

```
Goal is to cover:
* To create a test automation framework skeleton
* To test the application using available endpoint
```

- Reference: Swagger URL# https://petstore.swagger.io/#/pet/updatePet

Testing REST services in Java Techonlogy used - Serenity, REST Assured, Cucumber and JAVA

Prerequisite

- JAVA 8 or higher
- As Integrated Development Environment - Used Eclipse Version: 2020-12 (4.18.0)
- A Buid Tool - Used Maven

Getting Started

- Clone this repository - gh repo clone gaurang053/petStore

How to install and run this project?

- Double click on execute.bat file present at root or
- or Execute maven command - mvn clean verify

How to write new tests ?

- Step1. Create new feature file or Add Scenario (Outline, Given, When, Then) in a existing feature file with Valid Data

```
**************************   Sample Cucumber File   **************************

Scenario Outline: As a End User, Valid user can login and logout to the application using API
    Given I provide login credentials "<username>" and "<password>"
    When I send request to login
    Then login is successful
    Then logout is successful

  Examples: Valid
        |username|password|
        |test|test@123|
```

- Step2. Add new methods with Given, When and Then Annotation in new/existing Step Defination class file.

```
**************************   Sample Class File   **************************

@RunWith(SerenityRunner.class)
public class LoginStepDefn{

    @Before
        public void setup()
        {
        RestAssured.baseURI = "https://petstore.swagger.io/v2";
        }
    @After
```

```java
    @After
    public void tearDown()
    {
        RestAssured.reset();
    }

    @Given("^I provide login credentials \"([^\"]*)\" and \"([^\"]*)\"$")
    public void i_provide_login_credentials_and(String username, String password){
            //Write your code
    }

    @When("^I send request to login$")
    public void i_send_request_to_login() {
        // Write code here that turns the phrase above into concrete actions


    }

    @Then("^login is successful$")
    public void login_is_successful() {
            // Write code here that turns the phrase above into concrete actions
    }

    @Then("^logout is successful$")
    public void logout_is_successful() {
            // Write code here that turns the phrase above into concrete actions
    }

}
```
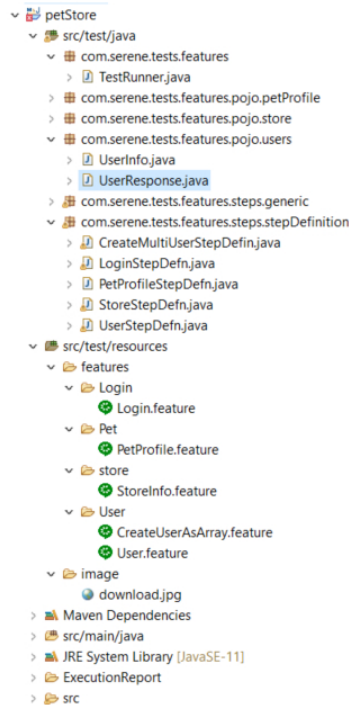
- Step3. Create a POJO class based on Request or Response JSON

```
* Create package like..  com.serene.tests.features.pojo.users
* Create class like.. UserInfo or UserResponse
For detail information, please refer usecase present at#  https://www.toolsqa.com/rest-assured/convert-json-to
```

- Project Structure

```
petStore
  src/test/java
    com.serene.tests.features
      TestRunner.java
    com.serene.tests.features.pojo.petProfile
    com.serene.tests.features.pojo.store
    com.serene.tests.features.pojo.users
      UserInfo.java
      UserResponse.java
    com.serene.tests.features.steps.generic
    com.serene.tests.features.steps.stepDefinition
      CreateMultiUserStepDefin.java
      LoginStepDefn.java
      PetProfileStepDefn.java
      StoreStepDefn.java
      UserStepDefn.java
  src/test/resources
    features
      Login
        Login.feature
      Pet
        PetProfile.feature
      store
        StoreInfo.feature
      User
        CreateUserAsArray.feature
        User.feature
    image
      download.jpg
  Maven Dependencies
  src/main/java
  JRE System Library [JavaSE-11]
  ExecutionReport
  src
```

Story Descriptin

Below list of story covere API capabilities of Login, PetProfile, Store and User. The story design such a way it cover all APIs present in the swagger.

- User - Operations about users

```
1_ As a End User, I can login and logout to the application using API
Description: Valid and Invalid Scenario covered
API Scenarion:
* GET /user/login - Logs user into the system
* GET /user/logout - Logs out current logged in user session
```

```
2_ As a Admin User, I can create new user, view or update existing user information and delete the user
Description: Create new user, View user information, Update or Delete Existing user
API Scenarion:
* POST /user Create user
* GET /user/{username} Get user by username
* PUT /user{username} Updated user
* DELETE /user/{username} Delete User
* POST /user/createWithArray Creates list of users with given input array
* POST /user/createWithList Creates list of users with given input array
```

- Store - Access to Petstore order

```
3_ As a End User, I can control Pet Order Cart
Descriptoin : Place new order, Find or Delete purchase order by ID
* POST /store/order Place an order for a pet
* GET /store/order/{orderid} Find purchase order by ID
* DELETE /store/order/{orderId} Delete purcahse order by ID
```

```
4_ As a Store Owner, I would like to check my inventory
Descriptoin : Check Inventory
* GET /store/inventory Return pet inventories by status
```

- Pet - Everything about Pets

```
5_As a Store Owner, I would like add new pet profile, upload pet image and delete pet profile
Description : Create, Upload image, Search or Delete Pet profile
* POST /put Add an new pet to the store
* GET /pet/{petId} Find pet by ID
* DELETE /pet/{petId} Delete a pet
* POST /put/{petId}/uploadImage upload an Image
```

```
6_ As a Store Owner, I would like add update pet profile, view pet info by status or create new pet profile wi
Description : Create, Update a pet profile with body or form data and Find Pet By Status
* POST /put Add an ew pet to the store
* GET /pet/findByStatus Finds Pets by status
* PUT /pet Add a new pet to the store
* POST /pet/{petId} Update ta pet in the store with form data
```
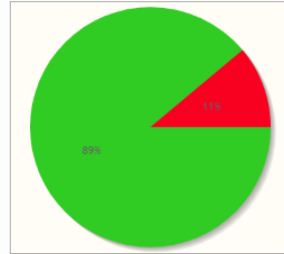
Reference Test Report

Home

☑ Overall Test Results | 📖 Requirements | 🔍 Capabilities | 🔍 Features

ⓘ Report generated 11-02-2021 13:24

Test Results: All Tests

9 test scenarios (9 tests in all, including 9 rows of test data)
| 8 passed | 1 unsuccessful (1 failed , 0 errors) | 📥

Test Count | **Weighted Tests**

Distribution of tests (including rows in data-driven tests) by test result. **Show/Hide Pie Chart**

11%

89%

■ Passing ■ Pending ■ Ignored/Skipped
■ Failing ■ Errors ■ Compromised

Test Result Summary

Test Type	Total	Pass	Fail	Pending	Ignore/Skip
Automated	9	8 (89%)	1 (11%)	0 (0%)	0 (0%)
Manual	0	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Total	9	8 (89%)	1 (11%)	0 (0%)	0 (0%)
Total Duration	1 minutes 9 seconds				

Related Tags

	% Passed	Test count
Capabilities		
Login	50%	2
Pet	100%	2
Store	100%	2
User	100%	3
Features		
User Operations About Users Login & ...	50%	2
Pet Everything About Pets	100%	2
Store Access To Petstore Order	100%	2
User Operations About Users	100%	3

Tests

Show [10 ▾] entries   Search: [   ]

Tests	Steps	Started	Took (secs)
☑ As a Admin User, I can create multiple user with Array (1 examples)	10	13:23:57	3.62
☑ As a Admin User, I can create multiple user with List (1 examples)	10	13:24:01	5.8
☑ As a Admin User, I can create new user, view, update, delete the existing user (1 examples)	36	13:24:07	26.22
☑ As a End User, I can control Pet Order Cart (1 examples)	6	13:24:33	8.02
⊗ As a End User, Unauthorized user can not login to the application using API (1 examples)	7	13:23:34	7.35
☑ As a End User, Valid user can login and logout to the application using API (1 examples)	8	13:23:42	2.04
☑ As a Store Owner, I would like add new pet profile, upload pet image and delete pet profile (1 examples)	6	13:23:44	7.22
☑ As a Store Owner, I would like add update pet profile, view pet info by status or create new pet profile with...	5	13:23:51	6.3
☑ As a Store Owner, I would like to check my inventory (1 examples)	4	13:24:41	2.54

Showing 1 to 9 of 9 entries   Previous 1 Next