gaurang053 / petStore Private

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gaurang.vadher capture test report screenshot fc77f18 1 minute ago 60 commits

.settings	Removed src main resources test folder	4 days ago
ExecutionReport	Updated Test Report	2 minutes ago
src/test	Restructured Pet feature file and use map	18 minutes ago
.classpath	Removed src main resources test folder	4 days ago
.gitattributes	updated cucumber-serenity-restassured skeleton	4 days ago
.gitignore	removed target folder	4 days ago
.project	updated cucumber-serenity-restassured skeleton	4 days ago
ProjectStructure.png	Added Project Structure Screenshot	19 hours ago
README.md	Update README.md	18 hours ago
Read_Me.pdf	Updated ReadMe	18 hours ago
TestReport.png	capture test report screenshot	1 minute ago
execute.bat	Updated ReadMe file	22 hours ago
pom.xml	Features completed	3 days ago
rest-assured-logo-green.png	Update ReadMe file	23 hours ago
serenity.properties	updated cucumber-serenity-restassured skeleton	4 days ago

README.md

REST-assured

Appplicatin : PetStore

About

serenity-restassured-cucumber

Readme

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

Languages

HTML 63.7% JavaScript 32.3% CSS 3.0% Java 0.6% SCSS 0.3% Gherkin 0.1%

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 robust, 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

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
```

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
        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
        }
}
```

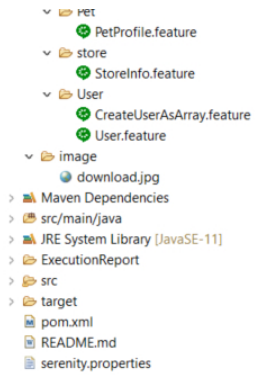
- Step3. Create a POJO class based on Request or Response JSON

```
* 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

```
src
  + main
  + test
    + java                              Test runners and supporting code
      + features                        Test Runner Class
      + pojo                            POJO to map Request or Response
      + generic                         Helper class, write core logic which interact with step defination
      + stepDefinition                  Write fature files mapping methods ( Business Logic)
    + resources
      + features                        Feature files
          + Login
          + User
          + Pet
          + Store

             record_a_new_trade.feature
```



Reference Test Report