Task 2: Backend Automation

- 1. Automated tests for REST API
 - > Application used: https://petstore.swagger.io/
 - > API capability: Pet profile (Everything about your Pets)

CRUD functionalities covered

- 1. POST Add a new pet to the store: /pet
- 2. GET Find pet by ID: /pet/{petId}
- 3. PUT Update an existing pet: /pet
- 4. Delete Deletes a pet: /pet/{petId}

HTTP responses covered

- o 200 successful operation
- o 400 Invalid ID supplied
- o 404 Pet not found
- o 405 Invalid input

Test scenarios

- 1. As an owner, I like to add a pet profile and view the details
 - a. Operations: Create and Read; HTTP response: 200
 - b. Steps

1	POST	/pet/	200 - successful operation
2	GET	/pet/{petId} Find pet by ID	200 - successful operation

- 2. As an owner, I want to delete a pet profile and check whether it is deleted
 - a. Operations: Delete and Read; corresponding HTTP response: 200 and 404 respectively.
 - b. Steps

1	Delete	/pet/{petId} Delete Pet by ID	200 - successful operation
2	GET	/pet/{petId} Find pet by ID	404 - Pet not found

- 3. As an owner, I want to Check whether "405" error message is thrown, when I try to delete a pet profile with invalid pet id
 - a. Operation: Delete; HTTP response: 405
 - b. Steps

1	Delete	/pet/{petId} Delete Pet by ID	405 - Invalid input
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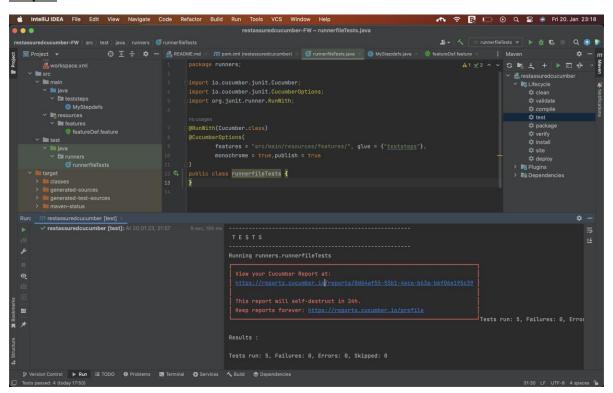
- 4. As an owner, I want to Check whether "400" error message is thrown, When ID is empty for adding a pet profile
 - a. Operations: CREATE; HTTP response: 400
 - b. Step

1	POST	/pet/	400 - Invalid ID supplied
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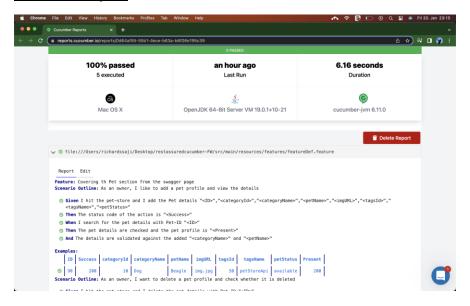
- 5. As an owner, I want to update a pet's profile
 - a. Operations: Create and update; HTTP response: 200
 - b. Step

1	POST	/pet/	200 - successful operation
2	PUT	/pet/	200 - successful operation

Output:



Cucumber report



2. Report any bugs you find by writing a bug ticket

Bug Ticket

- Bug ID: Bug-01
- **Bug Summary:** petstore.swagger.io: POST operation 200 Success response is given for a duplicate request
- Priority: Critical
- Description
 - > Regression: Yes
 - ➤ Failure Rate: 100%
 - > Steps to Reproduce
 - 1- Send the request

Request URL	https://petstore.swagger.io/v2/pet
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curl -X 'POST' \
CURL
                      'https://petstore.swagger.io/v2/pet' \
                      -H 'accept: application/json' \
                      -H 'Content-Type: application/json' \
                      -d '{
                      "id": 40,
                      "category": {
                       "id": 0,
                       "name": "string"
                      },
                      "name": "doggie",
                      "photoUrls": [
                       "string"
                      ],
                      "tags": [
                        "id": 0,
                        "name": "string"
                      ],
                      "status": "available"
```

- 2- Observe the response
- 3- Send the same request again and observe

> Expected Result

- 1. Response "200" should be given and the pet profile is created
- 2. Error should be thrown, since duplicate pet profile cannot be created with the same details and ID.

➤ Observed Result

"The Pet profile is created twice with same ID and details"

- 1. Response "200" should be given and the pet profile is created for the first time.
- 2. Response "200" is again shown when the pet profile is successfully created with the same details and ID

Screenshot Attached

