**Task 3: API Testing:**

**Task:** Test the functionality of adding and updating a pet in the Swagger Petstore API

**Tool Used:** Postman

**Collection Name:** PETSTORE\_Testing

**Testing Approach:**

I chose **Postman** as the testing tool for this assignment due to its simplicity and powerful features for API testing. My approach was:

1. Use **POST** to add a pet with a unique ID and initial details.
2. Use **PUT** to update the pet by modifying the name field while keeping the ID constant.
3. Use **GET** to verify the creation and the update were successfully reflected on the server.

## **Implementation Details:**

### **1. Add a New Pet**

* Method: POST
* Endpoint: https://petstore.swagger.io/v2/pet
* Payload:

{

"id": 858,

"category": { "id": 858, "name": "string" },

"name": "cattie",

"photoUrls": ["string"],

"tags": [{ "id": 858, "name": "string" }],

"status": "available"

}

* Purpose: This request adds a new pet named "cattie" with ID 858 to the Petstore.

### **2. Update the Existing Pet**

* Method: PUT
* Endpoint: https://petstore.swagger.io/v2/pet
* Payload:

{

"id": 858,  
 "category": { "id": 858, "name": "string" },  
 "name": "doggie",  
 "photoUrls": ["string"],  
 "tags": [{ "id": 858, "name": "string" }],  
 "status": "available"

}

* Purpose: This request updates the pet with ID 858 by changing the name to "kuttha". The ID remains unchanged to simulate a name update for the same entity.

### **3. Verify Pet Data**

* Method: GET
* Endpoint: https://petstore.swagger.io/v2/pet/858
* Purpose: This request was used to confirm that the pet with ID 858 exists and retains the correct name ("cattie") and other details.