## **Task 2 (API)**

**Test Case ID**

* API-NT.2

**Purpose**

* Attempt to upload wrong data type to new and existing pet

**Endpoint & Method**

* API.NT.2.1-7 POST /pet
* API.NT.2.8-11 PUT /pet
* BaseUrl: [https://petstore.swagger.io/v2](https://petstore.swagger.io/v2/pet/1245/uploadImage)

**Steps Taken in Postman Tool**

1. Manually find existing pet ID via GET /pet/findByStatus endpoint for PUT /pet requests
2. API.NT.2.2 and API.NT.2.7 New Pets were pre-scripted with random dynamic variables and were set to environmental variables for maintainability and scalability in repeat runs of scripts with new random values
3. Execute Sequential Postman Collection Run

**Request Details**

**API-NT.2 Upload wrong data type pet API table.1**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TC-ID | Data Type | File/Data Sent | Body Field | Expected Response | Actual Response | Priority P1-P4 | Notes | Pass/Fail |
| API.NT.2.1 | Existing Pet ID | 2025557788 | Line 2, "id” in JSON | Code 400 | Code 200 – Overwrite previous | P2 | High priority – business critical, able to overwrite pet ID | Fail |
| API.NT.2.2 | Integer | 557, -25 | Line 7,“name” in JSON | Code 405 Invalid input | Code 200 |  | Convert Integer to string for pet name | Pass |
| API.NT.2.3 | Empty string | “” | Line 7,“name” in JSON | Code 405 Invalid input | Code 200 – JSON display “” | P4 | Empty string accepted, can find by pet ID still | Fail |
| API.NT.2.4 | String | “123456612” | Line 2, "id” in JSON | Code 405 Invalid input | Code 200 |  | Converted string to integer | Pass |
| API.NT.2.5 | String | “A” repeated 200 times | Line 7,“name” in JSON | Code 405 Invalid input | Code 200 - Accepted long string | P4 | Can cause display problems on UI website or hard to recall | Fail |
| API.NT.2.6 | Special characters | “Sp@ci!\_Ch@r^é%&” | Line 7,“name” in JSON | Code 200 | Code 200 |  |  | Pass |
| API.NT.2.7 | String | “NG7ILC8dIc4j8Se" | Line 2, "id” in JSON | Code 405 Invalid input | Code 500 server error | P4 |  | Pass |

**API-NT.2 Upload wrong data type pet API table.2**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TC-ID | Data Type | File/Data Sent | Body Field | Expected Response | Actual Response | Priority P1-P4 | Notes | Pass/Fail |
| API.NT.2.8 | Integer | 23 | Line 7,“name” in JSON | Code 405 Invalid input | Code 200 |  | Convert Integer to string for pet name | Pass |
| API.NT.2.9 | Empty string | “” | Line 7,“name” in JSON | Code 405 Invalid input | Code 200 | P4 | Empty string accepted, can alternatively find via pet ID to be modified | Fail |
| API.NT.2.10 | String | “A” repeated 200 times | Line 7,“name” in JSON | Code 405 Invalid input | Code 200 - Accepted long string | P4 | Can cause display problems on UI and trouble finding pet via name alone | Fail |
| API.NT.2.11 | Special characters | “Sp@ci!\_Ch@r^é%&” | Line 7,“name” in JSON | Code 200 | Code 200 |  |  | Pass |

**Summary**

Negative testing of the Pet endpoints shows the API fails to validate integer and empty values for pet names. It allows reusing existing pet ID instead of expected 400/405 error which creates a high‐priority risk where existing IDs can be overwritten. However, the API successfully handles numeric strings (converting them to integers), supports special characters, and rejects some purely alphabetical strings as intended. Recommend further review of input validation causing failure in test cases listed.

***Link to Collection Run in Postman:***

[***https://www.postman.com/flight-explorer-62781005/workspace/my-workspace/run/41691738-f285fc12-6218-402e-96ae-89273bca516c***](https://www.postman.com/flight-explorer-62781005/workspace/my-workspace/run/41691738-f285fc12-6218-402e-96ae-89273bca516c)