Fields Validations & Details:

1. Name field maximum = 22 characters (Assumption).
2. Category field maximum = 50 characters (Mentioned in swagger).
3. AvatarIRL maximum = 100 characters (Found when executing with postman).
4. Age maximum = 3 characters (Assumption).

| TC-ID | Testcase | Expected Response | Actual Response | Result |
| --- | --- | --- | --- | --- |
| 1 | Add a new pet successfully  Url: <https://localhost:3000/api/pet>  Body:  {  "name": "cat1",  "age": 2,  "avatarUrl": "https://t4.ftcdn.net/jpg/08/55/83/09/240\_F\_855830927\_LP3sbwxJcAYBwtMlmaF1rOa51gZghYtK.jpg",  "category": "cat"  } | 200/201 + ID number returned | 201 created + ID number returned | Passed |
| 2 | Add a new pet with missing category field  Url: <https://localhost:3000/api/pet>  Body:  {  "name": "cat2",  "age": 2,  "avatarUrl": "<https://t4.ftcdn.net/jpg/08/55/83/09/240_F_855830927_LP3sbwxJcAYBwtMlmaF1rOa51gZghYtK.jpg>"  } | 200/201 + ID number returned | 201 created + ID number returned | Passed |
| 3 | Add a new pet with missing age field  Url: <https://localhost:3000/api/pet>  Body:  {  "name": "cat3",  "avatarUrl": "https://t4.ftcdn.net/jpg/08/55/83/09/240\_F\_855830927\_LP3sbwxJcAYBwtMlmaF1rOa51gZghYtK.jpg",  "category": "cat"  } | 400  Error message for missing required fields | {  "statusCode": 400,  "code": "FST\_ERR\_VALIDATION",  "error": "Bad Request",  "message": "body must have required property 'age'"  } | Passed |
| 4 | Add a new pet with missing avatarUrl field  Url: <https://localhost:3000/api/pet>  Body:  {  "name": "cat4",  "age": 1,  "category": "cat"  } | 200/201 | 201 created   {  "id": 15  } | Passed |
| 5 | Add a new pet with missing name field  Url: <https://localhost:3000/api/pet>  Body:  {  "age": 4,  "avatarUrl": "https://t4.ftcdn.net/jpg/08/55/83/09/240\_F\_855830927\_LP3sbwxJcAYBwtMlmaF1rOa51gZghYtK.jpg",  "category": "cat"  } | 400  Error message for missing required fields | {  "statusCode": 400,  "code": "FST\_ERR\_VALIDATION",  "error": "Bad Request",  "message": "body must have required property 'name'"  } | Passed |
| 6 | Add a new pet with invalid data type for age  Url: <https://localhost:3000/api/pet>  Body:  {  "name": "cat6",  "age": "two",  "avatarUrl": "https://t4.ftcdn.net/jpg/08/55/83/09/240\_F\_855830927\_LP3sbwxJcAYBwtMlmaF1rOa51gZghYtK.jpg",  "category": "cat"  } | 422  Error message Validation exception | {  "statusCode": 400,  "code": "FST\_ERR\_VALIDATION",  "error": "Bad Request",  "message": "body/age must be number"  } | Passed? |
| 7 | Add a new pet with >100 characters for URL  Url: <https://localhost:3000/api/pet>  Body:  {  "name": "cat7",  "age": 2,  "avatarUrl": "https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcRMfYdhwZhc-Wan68Z5Xp3IWOQRs3gPjFwCIqnp4hsmDzgho5cXUnOEe5LXS75d1FE4lr0&usqp=CAU",  "category": "cat"  } | 400  Character limit reached 22 | {  "statusCode": 400,  "code": "FST\_ERR\_VALIDATION",  "error": "Bad Request",  "message": "body/avatarUrl must NOT have more than 100 characters"  } | Passed |
| 8 | Add a new pet with >50 characters for category  Url: <https://localhost:3000/api/pet>  Body:  {  "name": "cat8",  "age": 2,  "avatarUrl": "https://t4.ftcdn.net/jpg/08/55/83/09/240\_F\_855830927\_LP3sbwxJcAYBwtMlmaF1rOa51gZghYtK.jpg",  "category": "cat1234567890cat1234567890cat1234567890cat1234567890cat1234567890cat1234567890"  } | 400  Character limit reached 50 | 201 created + ID number returned | Failed |
| 9 | Add a new pet with >50 characters for name  Url: <https://localhost:3000/api/pet>  Body:  {  "name": "cat9cat9cat9cat9cat9cat9cat9cat9",  "age": 2,  "avatarUrl": "https://t4.ftcdn.net/jpg/08/55/83/09/240\_F\_855830927\_LP3sbwxJcAYBwtMlmaF1rOa51gZghYtK.jpg",  "category": "cat"  } | 400  Character limit reached > 50 | 201 created + ID number returned | Failed |
| 10 | Add a new pet with >3 characters for age  Url: <https://localhost:3000/api/pet>  Body:  {  "name": "turtle",  "age": 4300,  "avatarUrl": "https://t4.ftcdn.net/jpg/08/55/83/09/240\_F\_855830927\_LP3sbwxJcAYBwtMlmaF1rOa51gZghYtK.jpg",  "category": "turtle"  } | 400  Character limit reached 22 | 201 created + ID number returned | Failed |
| 11 | Add a new pet with an extra field  Url: <https://localhost:3000/api/pet>  Body:  {  "name": "test",  "age": 2,  "avatarUrl": "https://t4.ftcdn.net/jpg/08/55/83/09/240\_F\_855830927\_LP3sbwxJcAYBwtMlmaF1rOa51gZghYtK.jpg",  "category": "cat",  "extraField": "extraValue"  } | 201 created + ID number returned | 201 created + ID number returned | Passed |
| 12 | Add a new pet with special characters in name & category  Url: <https://localhost:3000/api/pet>  Body:  {  "name": "cat12#$$##",  "age": 2,  "avatarUrl": "https://t4.ftcdn.net/jpg/08/55/83/09/240\_F\_855830927\_LP3sbwxJcAYBwtMlmaF1rOa51gZghYtK.jpg",  "category": "cat@@@@@##",  } | 200/201 created + ID number returned | 201 created + ID number returned | Passed |
| 13 | Add a new pet with empty name  Url: <https://localhost:3000/api/pet>  Body:  {  "name": "",  "age": 2,  "avatarUrl": "https://t4.ftcdn.net/jpg/08/55/83/09/240\_F\_855830927\_LP3sbwxJcAYBwtMlmaF1rOa51gZghYtK.jpg",  "category": "cat",  } | 400  Invalid Input | 201 created + ID number returned | Failed |
| 14 | Add a new pet with negative age  Url: <https://localhost:3000/api/pet>  Body:  {  "name": "cat14",  "age": -2,  "avatarUrl": "https://t4.ftcdn.net/jpg/08/55/83/09/240\_F\_855830927\_LP3sbwxJcAYBwtMlmaF1rOa51gZghYtK.jpg",  "category": "cat",  "extraField": "extraValue"  } | 422  Error message Validation exception | 201 created + ID number returned | Failed |
| 15 | Get a pet by valid ID  Url: <http://localhost:3000/api/pet/5> | 200  {  "name": "test",  "age": 2,  "avatarUrl": "https://t4.ftcdn.net/jpg/08/55/83/09/240\_F\_855830927\_LP3sbwxJcAYBwtMlmaF1rOa51gZghYtK.jpg",  "category": "cat"  } | 201 created  {  "name": "test",  "age": 2,  "avatarUrl": "https://t4.ftcdn.net/jpg/08/55/83/09/240\_F\_855830927\_LP3sbwxJcAYBwtMlmaF1rOa51gZghYtK.jpg",  "category": "cat"  } | Passed |
| 16 | Get a pet by invalid ID format  Url: <http://localhost:3000/api/pet/abc> | 400  Invalid ID supplied | 201 created | Failed |
| 17 | Get a pet with non-existing ID  Url: <http://localhost:3000/api/pet/18> | 404  Pet not found | 201 created | Failed |
| 18 | Get a pet with ID = 0  Url: <http://localhost:3000/api/pet/0> | 201 created | 201 created | Passed?? |
| 19 | Get a pet with special characters in ID  Url: <https://localhost:3000/api/pet/!@#> | 400  Invalid ID supplied | 201 created | Failed |
| 20 | Update an existing pet successfully  Url: <https://localhost:3000/api/pet/1>  Body:  {  "name": "cat20",  "age": 5,  "avatarUrl": "https://t4.ftcdn.net/jpg/08/55/83/09/240\_F\_855830927\_LP3sbwxJcAYBwtMlmaF1rOa51gZghYtK.jpg",  "category": "dog"  } | 200 ok | {  "message": "Route POST:/api/pet/5 not found",  "error": "Not Found",  "statusCode": 404  } | Failed |
| 21 | Update a pet with invalid ID format  Url: <https://localhost:3000/api/pet/abc>  Body:  {  "name": "cat21",  "age": 2,  "avatarUrl": "https://t4.ftcdn.net/jpg/08/55/83/09/240\_F\_855830927\_LP3sbwxJcAYBwtMlmaF1rOa51gZghYtK.jpg",  "category": "cat"  } | 400  Invalid input | {  "message": "Route POST:/api/pet/abc not found",  "error": "Not Found",  "statusCode": 404  } | Failed |
| 22 | Update a pet with missing required fields  Url: [https://localhost:3000/api/pet](https://localhost:3000/api/pet/1)/27  Body:  {  "avatarUrl": "https://t4.ftcdn.net/jpg/08/55/83/09/240\_F\_855830927\_LP3sbwxJcAYBwtMlmaF1rOa51gZghYtK.jpg",  "category": "cat"  } | 400  Invalid input | {  "message": "Route POST:/api/pet/27 not found",  "error": "Not Found",  "statusCode": 404  } | Failed |
| 23 | Update a pet with empty name  Url: <https://localhost:3000/api/pet/1>  Body:  {  "name": "",  "age": 2,  "avatarUrl": "https://t4.ftcdn.net/jpg/08/55/83/09/240\_F\_855830927\_LP3sbwxJcAYBwtMlmaF1rOa51gZghYtK.jpg",  "category": "cat"  } | 400  Invalid input | {  "message": "Route POST:/api/pet/1 not found",  "error": "Not Found",  "statusCode": 404  } |  |
| 24 | Delete an existing pet successfully  Url: <https://localhost:3000/api/pet/1/remove> | 200 ok | 200 ok | Passed |
| 25 | Delete a pet with non-existing ID  Url: <https://localhost:3000/api/pet/35/remove> | 400 Invalid pet value | 200 ok | Failed |
| 26 | Delete a pet with invalid ID format  Url: [https://localhost:3000/api/pet/abc/remove](https://localhost:3000/api/pet/1/remove) | 400 Invalid pet value | 200 ok | Failed |
| 27 | Delete a pet with ID of zero  Url: <https://localhost:3000/api/pet/0/remove> | 200 ok | 200 ok | Passed |
| 28 | Delete a pet with very large ID  Url: [https://localhost:3000/api/pet/9999999999/remove](https://localhost:3000/api/pet/1/remove) | 200 ok | 200 ok | Passed |
| 29 |  |  |  |  |