**Section 1. UI Manual Testing**

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| **Feature:** | Login to access tribal dashboard | | |
| **Test case #** | **Preconditions and input data** | **Action** | **Expected Output** |
| 1 | email and password valid | enter email and password |  |
| click sign in | tribal Dashboard shown |
| 2 | empty email field and valid password | enter password only |  |
| click sign in | it is not possible to enter the Tribal dashboard and error is displayed in red, below the password input field |
| 3 | Invalid email and valid password | enter email and password |  |
| click sign in | it is not possible to enter the Tribal dashboard and error is displayed in red, below the password input field |
| 4 | empty password field and valid mail | enter email only |  |
| click sign in | it is not possible to enter the Tribal dashboard and error is displayed in red, below the password input field |
| 5 | valid email and invalid password | enter email and password |  |
| click sign in | it is not possible to enter the Tribal dashboard and error is displayed in red, below the password input field |
| 7 | 100 character email and valid password | enter email and password |  |
| click sign in | tribal Dashboard shown |
| 8 | 101 character email and valid password | enter email and password |  |
| click sign in | error, email exceeded maximum number of characters and it is not possible to enter the Tribal dashboard |
| 9 | 50 character password and valid email | enter email and password |  |
| click sign in | tribal Dashboard shown |
| 10 | 51 character password and valid email | enter email and password |  |
| click sign in | error, password exceeded maximum number of characters and it is not possible to enter the Tribal dashboard |
| 11 | Forgot password/valid email | click Forgot password | redirects to password recovery page |
| enter email |  |
| click the Recover password button | An email is sent with the steps to recover the password. |

**Section 2. API Manual Testing**

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| **Feature:** | | API to enter, modify and display pets | | | | | |
| **Test case #** | **Preconditions** | | **method** | **input data** | **Action** | **Expected Code** | **Expected Output** |
| 1 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  Enter the parameters in the body of the Json within the range set for each of the data for the Pet API. | | POST | curl --location --request POST 'http://testchallenge.com/newPet' \ --header 'Content-Type: application/json' \ --data-raw '{ "name": "Jordan", "petType": "dog", "age": 1, "race": "Golden Retriever" }' | Send | 201 | { “Id”: “123456”, “name”: “Jordan”, “petType”: “dog”, “age”: 1, “race”: “Golden Retriever” } |
| 2 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  Enter in the parameter **"name"** in the body of the Json a data of type "string" that is within the limit values. **<= 100** | | POST | curl --location --request POST 'http://testchallenge.com/newPet' \ --header 'Content-Type: application/json' \ --data-raw '{ "name": "Jordan Jose de la cruz marquez del pais perruno123", "petType": "dog", "age": 1, "race": "Golden Retriever" }' | Send | 201 | { “Id”: “123411”, “name”: “Jordan Jose de la cruz marquez del pais perruno123”, “petType”: “dog”, “age”: 1, “race”: “Golden Retriever” } |
| 3 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  Enter in the parameter **"petType"** in the body of the Json a data of type "string" that is within the limit values. **<= 50** | | POST | curl --location --request POST 'http://testchallenge.com/newPet' \ --header 'Content-Type: application/json' \ --data-raw '{ "name": "Zeus", "petType": "dogdogdogdogdogdogdogdogdogdogdogdogdogdogdogdogdo", "age": 1, "race": "Pastor Aleman" }' | Send | 201 | { “Id”: “123422”, “name”: “Zeus”, “petType”: “dogdogdogdogdogdogdogdogdogdogdogdogdogdogdogdogdo”, “age”: 1, “race”: “Pastor Aleman” } |
| 4 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  Enter in the parameter **"age"** in the body of the Json a data of type "int" that is within the limit values.  **From -2,147,483,648 to 2,147,483,647** | | POST | curl --location --request POST 'http://testchallenge.com/newPet' \ --header 'Content-Type: application/json' \ --data-raw '{ "name": "Pepe", "petType": "dog", "age": 45, "race": "Golden Retriever" }' | Send | 201 | { “Id”: “123499”, “name”: “Pepe”, “petType”: “dog”, “age”: 45, “race”: “Golden Retriever” } |
| 5 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  Enter in the parameter **"race"** in the body of the Json a data of type "String" that is within the limit values**. <= 50** | | POST | curl --location --request POST 'http://testchallenge.com/newPet' \ --header 'Content-Type: application/json' \ --data-raw '{ "name": "Lola", "petType": "dog", "age": 20, "race": "Chigugua Recargado" }' | Send | 201 | { “Id”: “123435”, “name”: “Lola”, “petType”: “dog”, “age”: 20, “race”: “Chigugua Recargado”, } |
| 6 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  Enter in the parameter **"name"** in the body of the Json a data of type "string"which is outside the limit values. **>100** | | POST | curl --location --request POST 'http://testchallenge.com/newPet' \ --header 'Content-Type: application/json' \ --data-raw '{ "name": "Jordan Jose de la cruz marquez del pais perruno123 Jordan Jose de la cruz marquez del pais perruno123", "petType": "dog", "age": 1, "race": "Golden Retriever" }' | Send | 400 | {  "Code": "BadRequest",  "Message": "error when sending json data, name" } |
| 7 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  Enter in the parameter **"petType"** in the body of the Json a data of type "string" which is outside the limit values. **>50** | | POST | curl --location --request POST 'http://testchallenge.com/newPet' \ --header 'Content-Type: application/json' \ --data-raw '{ "name": "Zeus", "petType": "dogdogdogdogdogdogdogdogdogdogdogdogdogdogdogdogdogdogdog", "age": 1, "race": "Pastor Alemanr" }' | Send | 400 | {  "Code": "BadRequest",  "Message": "error when sending json data, petType" } |
| 8 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  Enter in the parameter **"age"** in the body of the Json a data of type "int" which is outside the limit values. **>2,147,483,647** | | POST | curl --location --request POST 'http://testchallenge.com/newPet' \ --header 'Content-Type: application/json' \ --data-raw '{ "name": "Pepe", "petType": "dog", "age": 31474836991, "race": "Golden Retriever" }' | Send | 400 | {  "Code": "BadRequest",  "Message": "error when sending json data, age" } |
| 9 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  Enter in the parameter **"race"** in the body of the Json a data of type "String" which is outside the limit values. **> 50** | | POST | curl --location --request POST 'http://testchallenge.com/newPet' \ --header 'Content-Type: application/json' \ --data-raw '{ "name": "Lola", "petType": "dog", "age": 20, "race": "ChiguguaPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDPPPPPPPPPPDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD" }' | Send | 400 | {  "Code": "BadRequest",  "Message": "error when sending json data, race" } |
| 10 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  Wrong or non-existent **URL** is entered. | | POST | curl --location --request POST 'http://testchallenge.com/newPet/other/1234' \ --header 'Content-Type: application/json' \ --data-raw '{ "name": "Jordan", "petType": "dog", "age": 1, "race": "Golden Retriever" }' | Send | 404 | {  "Code": "Notfound",  "Message": "error, broken link" } |
| 11 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  The website server is down | | POST | curl --location --request POST 'http://testchallenge.com/newPet' \ --header 'Content-Type: application/json' \ --data-raw '{ "name": "Jordan", "petType": "dog", "age": 1, "race": "Golden Retriever" }' | Send | 500 | {  "Code": "InternalServerError",  "Message": "server Temporary Error " } |
| 12 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  Enter the parameters in the body of the Json within the range set for each of the data for the Pet API. | | PUT | curl --location --request PUT 'http://testchallenge.com/newPet/123456' \ --header 'Content-Type: application/json' \ --data-raw '{ "name": "Jordan 1", "petType": "dog 1", "age": 6, "race": "Golden Retriever 3" }' | Send | 201 | { “Id”: “123456”, “name”: “Jordan 1”, “petType”: “dog 1”, “age”: 6, “race”: “Golden Retriever 3” } |
| 13 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  Enter in the parameter **"name"** in the body of the Json a data of type "string" that is within the limit values. **<= 100** | | PUT | curl --location --request POST 'http://testchallenge.com/newPet/123411' \ --header 'Content-Type: application/json' \ --data-raw '{ "name": "Lupita", "petType": "dog", "age": 1, "race": "Golden Retriever" }' | Send | 201 | { “Id”: “123411”, “name”: “Lupita”, “petType”: “dog”, “age”: 1, “race”: “Golden Retriever” } |
| 14 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  Enter in the parameter **"petType"** in the body of the Json a data of type "string" that is within the limit values. **<= 50** | | PUT | curl --location --request PUT 'http://testchallenge.com/newPet/123422' \ --header 'Content-Type: application/json' \ --data-raw '{ "name": "Zeus", "petType": "dogdogdog", "age": 1, "race": "Pastor Alemanr" }' | Send | 201 | { “Id”: “123422”, “name”: “Zeus”, "petType": "dogdogdog", “age”: 1, “race”: “Golden Retriever” } |
| 15 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  Enter in the parameter **"age"** in the body of the Json a data of type "int" that is within the limit values.  **From -2,147,483,648 to 2,147,483,647** | | PUT | curl --location --request PUT 'http://testchallenge.com/newPet/123499' \ --header 'Content-Type: application/json' \ --data-raw '{ "name": "Pepe", "petType": "dog", "age": 18, "race": "Golden Retriever" }' | Send | 201 | { “Id”: “123499”, “name”: “Pepe”, “petType”: “dog”, “age”: 18, “race”: “Golden Retriever” } |
| 16 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  Enter in the parameter **"race"** in the body of the Json a data of type "String" that is within the limit values. **<= 50** | | PUT | curl --location --request PUT 'http://testchallenge.com/newPet/123435' \ --header 'Content-Type: application/json' \ --data-raw '{ "name": "Lola", "petType": "dog", "age": 20, "race": "Gran Danes" }' | Send | 201 | { “Id”: “123435”, “name”: “Lola”, “petType”: “dog”, “age”: 20, “race”: “Gran Danes” } |
| 17 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  Enter in the parameter **"name"** in the body of the Json a data of type "string"which is outside the limit values. **>100** | | PUT | curl --location --request PUT 'http://testchallenge.com/newPet/123456' \ --header 'Content-Type: application/json' \ --data-raw '{ "name": "Jordan Jose de la cruz marquez del pais perruno123 Jordan Jose de la cruz marquez del pais perrunoPruebaPruebaPRUEbaPrueba", "petType": "dog", "age": 1, "race": "Golden Retriever" }' | Send | 400 | {  "Code": "BadRequest",  "Message": "error when sending json data, name" } |
| 18 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  Enter in the parameter **"petType"** in the body of the Json a data of type "string" which is outside the limit values. **>50** | | PUT | curl --location --request PUT 'http://testchallenge.com/newPet' \ --header 'Content-Type: application/json' \ --data-raw '{ "name": "Zeus", "petType": "dogdogdogdogdogdogdogdogdogdogdogdogdogdogdogdogdogdogdogDOGdoger", "age": 1, "race": "Pastor Alemanr" }' | Send | 400 | {  "Code": "BadRequest",  "Message": "error when sending json data, petType" } |
| 19 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  Enter in the parameter **"age"** in the body of the Json a data of type "int" which is outside the limit values. **>2,147,483,647** | | PUT | curl --location --request PUT 'http://testchallenge.com/newPet' \ --header 'Content-Type: application/json' \ --data-raw '{ "name": "Pepe", "petType": "dog", "age": 31474836999, "race": "Golden Retriever" }' | Send | 400 | {  "Code": "BadRequest",  "Message": "error when sending json data, age" } |
| 20 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  Enter in the parameter **"race"** in the body of the Json a data of type "String" which is outside the limit values. > 50 | | PUT | curl --location --request PUT 'http://testchallenge.com/newPet/123435' \ --header 'Content-Type: application/json' \ --data-raw '{ "name": "Lola", "petType": "dog", "age": 20, "race": "Chigugua RecargadoChigugua RecargadoChigugua RecargadoChigugua RecargadoChigugua RecargadoChigugua Recargado" }' | Send | 400 | {  "Code": "BadRequest",  "Message": "error when sending json data, race" } |
| 21 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  Wrong or non-existent **URL** is entered. | | PUT | curl --location --request PUT 'http://testchallenge.com/newPet/other/1234/987' \ --header 'Content-Type: application/json' \ --data-raw '{ "name": "Jordan", "petType": "dog", "age": 1, "race": "Golden Retriever" }' | Send | 404 | {  "Code": "Notfound",  "Message": "error, broken link" } |
| 22 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  The website server is down | | PUT | curl --location --request PUT 'http://testchallenge.com/newPet/123456' \ --header 'Content-Type: application/json' \ --data-raw '{ "name": "Jordan", "petType": "dog", "age": 1, "race": "Golden Retriever" }' | Send | 500 | {  "Code": "InternalServerError",  "Message": "server Temporary Error " } |
| 23 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  Enter the ID of the existing record at the end of the URL. | | GET | curl --location --request GET 'http://testchallenge.com/newPet/123456' \ --header 'Content-Type: application/json' \ --data-raw '' | Send | 201 | { “Id”: “123456”, “name”: “Jordan 1”, “petType”: “dog 1”, “age”: 6, “race”: “Golden Retriever 3” } |
| 24 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  Please enter a non-existent ID at the end of the URL. | | GET | curl --location --request GET 'http://testchallenge.com/newPet/1234562727' \ --header 'Content-Type: application/json' \ --data-raw '' | Send | 400 | {  "Code": "BadRequest",  "Message": "error, record does not exist" } |
| 25 | Steps 1- Launch the Postman app client 2- Menu File/Import/Raw text 3- Continue 4- Import  The website server is down | | GET | curl --location --request GET 'http://testchallenge.com/newPet/123456' \ --header 'Content-Type: application/json' \ --data-raw '' | Send | 500 | {  "Code": "InternalServerError",  "Message": "server Temporary Error " } |