Test Summary Report

The goal of the testing was aimed to test the following list of features:

- Creating new pet;
- Updating new pet;
- Deleting new pet;
- Searching pet by statuses

Before starting the test design and test execution activities test plan was created. Exploratory and functional testing types were used during testing the project. Postman tool was used due to access only to server part of the application. 192 responses for testing were created.

All functionality were divided into positive testing cases, negative testing cases and verification of validation (verification of validation wasn't applicable for deleting pets and searching pet by statuses.

For each functionality was created responses with different types (post, get, up and delete). All of them you can find in GitHub account.

QA found 12 defects and 2 potential problems with the requirements. You can find all of them in Defect Reports documentation.

QA found 4 defects with High priority, 3 defects with Medium priority and 4 defects with Low priority.

Huge amount of the found defects are related to incorrect response into the invalid data for input fields during creating and updating the pet. One High priority defect is connected with XSS injections and it points into the weaknesses of the security into the application.

Two issues were found as potential defects because of the possible defects in the requirements (that IDs of the elements can be negative numbers or 0 and that user can re-write the existing ID). These issues can cause to the problems with gathering and manipulating the data in the DB in the future. So they also mentioned in the Defect Reports documentation in order to resolve them in the future with Product Owner.

All designed test were run. During testing 16% test were failed due to found defects. All the other were run successfully.

All provided requirements are covered by created tests.

Summary: Project has a lot of defects and QA can't recommend it for releasing. All High and Medium priority defects should be fixed and re-tested again. Besides that two possible problem issues should be discussed with Product Owner and should be fixed or some preventive actions should be made in order to support the correct data in the DB in the future. Only after regression testing and positive QA feedback this project can be released.