

# Lab42 QA Home Assignment

Oct. 2023

## Overview

This assignment is designed to assess your skills in building an automation test for the search engine of the "Rocket Jump Ninja" website, which features mouse reviews.

## Assignment Goals

- Develop a comprehensive test plan for the search engine functionality.
- Create an automation script to validate the search engine's behavior based on specified parameters (hand size, grip type, shape, etc.).
- Demonstrate a structured approach to testing, including positive and negative test scenarios.

## Assignment Submission

Please submit your assignment in a zip file containing:

- A detailed test plan document.
- The automation script.
- A README file with instructions on how to execute your automation script.

## Assignment API

The website that will be used for this project is [Rocket Jump Ninja](#).

You can see the UI for the search engine in this [link](#).

The API used for the search engine is:

<https://www.rocketjumpninja.com/api/search/mice>

As you can see the API working with GET params and return a JSON response.

## Assignment Requirements

### 1. Test Plan:

- a. Clearly define the scope of your testing.
- b. Identify test scenarios for positive and negative cases.
- c. Include boundary value analysis for relevant parameters.
- d. Specify the test environment and test data.

### 2. Automation Script:

- a. Use a suitable automation tool (e.g., Selenium, Appium).
- b. Implement at least five test cases covering different scenarios.
- c. Include assertions to validate expected outcomes.
- d. Make your script modular and maintainable.

### 3. Documentation:

- a. Provide clear comments within your code.
- b. Write a brief explanation of your approach and any challenges faced.
- c. Include any assumptions made during the assignment.

## Notes

- You are encouraged to explore the website to understand its features and functionality.
- Feel free to reach out if you have any questions or need clarification.
- Ensure your code is well-organized and follows best practices.

Best of Luck!