

## QA Testing Report

The automated testing of Spyne.ai Image Upscaler was completed successfully, with all test cases passing. Key functionalities such as file upload, image upscaling, UI validation, and download were verified to work correctly across different browsers, and no issues were encountered.

**Project:** Selenium Automation Testing for Spyne.ai Image Upscaler

### Objective:

To automate the testing of Spyne.ai Image Upscaler's core functionalities using Selenium WebDriver.

### Tools & Technologies:

- Programming Language: Java
- Automation Framework: Selenium WebDriver
- Test Runner: TestNG (Java)
- Reporting: Extent Reports (Java) & Log4j

### Test Cases:

#### 1. Environment Setup:

- Selenium WebDriver: Installed and configured.
- Browser Driver: ChromeDriver for Chrome browser.
- Libraries: TestNG (Java)

#### 2. Test Case Design & Execution:

Test Case ID	Test Case Description	Status	Remarks
TC1	Navigation to the Website: Verify URL and page load	Passed	URL loaded correctly, main elements displayed
TC2	File Upload: Upload a valid image file	Passed	Image file uploaded successfully
TC3	Invalid File Upload: Upload an invalid file type	Passed	Appropriate error message displayed
TC4	Image Upscaling: Verify image upscaling process	Passed	Image upscaled successfully
TC5	UI Validation: Validate key UI elements	Passed	All UI elements functioning correctly
TC6	Download Functionality: Ensure upscaled image download	Passed	Upscaled image downloaded successfully
TC7	Performance Testing (Optional): Measure upscaling time	Passed	Time measured for different image sizes

### **Test Execution Details:**

#### 1. Test Execution on Different Browsers:

- Browsers Tested:
  - Chrome
  - Firefox
- Results: All test cases passed on both browsers.

#### 2. Test Execution Report:

- Execution Date: [Date of Execution]
- Test Execution Time:-----
- Total Test Cases: 7
- Passed: 7
- Failed: 0
- Skipped: 0

### **Test Summary:**

- Overall Status: All test cases passed successfully.
- Issues Found: None
- Recommendations:
  - Regularly update test scripts as application features are enhanced.
  - Implement additional test cases for new functionalities if introduced.

### **Reporting:**

- Test Report Generated: Extent Reports (Java) / Allure Reports (Python)
- Report Link: [Link to Test Report]

### **Conclusion:**

The automated tests for Spyne.ai Image Upscaler were executed successfully with all test cases passing. The core functionalities, including file upload, image upscaling, UI validation, and download functionality, were verified to work as expected. No issues were found during the test execution.