

NASA EVA Gamification

PERFORMANCE TEST SUMMARY REPORT

PHASE II



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Version Number	Description of Change	Author	Date
1.0	Initial Creation of Document	Samia Alam	7/24/18

Introduction

The purpose of this document is to provide the test scripts along with the results and overall summary of the performance testing for phase 2 of NASA EVA gamification project. Phase 2 of the project included addition of new features such as points, badges, and a leaderboard; Also, alteration to the revision table was made for the project. The goal of performance testing is to make sure that the frontend and backend changes did not impact the performance of the Nasa Wiki pages.

Test Summary

The test cases for performance testing are created to ensure that the changes made by phase 2 of the project did not negatively impact the performance of the application. The planned test cases for Performance testing have been executed and passed. Currently there is no concern related to the performance of the NASA mediawiki.

1.0 Test Suite P01: Performance testing of NASA Wiki

Following Test Cases should be executed to validate the performance of the Nasa Wiki pages after applying the NASA Wiki Gamification features.

1.1 Test Case TC_P01.1: NASA Wiki Main Page loads in less than 2 seconds.

Test Case ID: TC_D01.1

Description: Test that NASA Wiki Main Page loads in less than two seconds when user logs in

Tester's Name: Samia Alam

Prerequisites: Before executing the script, the following prerequisites should be met:

- MediaWiki (version 1.27.4) is installed on either a Windows or CentOS hosting environment. This includes following minimum required components: MariaDB/MySQL (version 5.5.59 of MariaDB) and PHP (version 5.6)
- User already has username and password to login to the Nasa Wiki through Localhost
- User has already updated the NASA MediaWiki Gamification file with the newly developed extension produced in Phase 1 and phase 2 of NASA wiki project.

Test Script:

Step #	Test Steps	Expected Result	Actual Result	Pass/Fail	Notes
1	Type in “runphp.cmd” in command from in the path where NASA gamification project folder is located	IIS express gets started	IIS express gets started	Pass	
2	Open a browser and insert http://localhost:8080/ and click enter	Media Wiki page appears	Media Wiki page appears	Pass	
3	Click on Main page link and Observe the number of seconds it takes to load the	Main page loads and become visible to the user in less than 2 seconds	Main page loads and become visible to the user in less than 2 seconds	Pass	

1.2 Test Case TC_P01.2: User Gamification Profile Page loads in less than 2 seconds.

Test Case ID: TC_D01.1

Description: Test that NASA Wiki User Gamification Profile Page loads in less than two seconds when user clicks on the User Gamification Profile Link

Tester's Name: Samia Alam

Prerequisites: Before executing the script, the following prerequisites should be met:

- MediaWiki (version 1.27.4) is installed on either a Windows or CentOS hosting environment. This includes following minimum required components: MariaDB/MySQL (version 5.5.59 of MariaDB) and PHP (version 5.6)
- User already has username and password to login to the Nasa Wiki through Localhost
- User has already updated the NASA MediaWiki Gamification file with the newly developed extension produced in Phase 1 and phase 2 of NASA wiki project.

Test Script:

Step #	Test Steps	Expected Result	Actual Result	Pass/Fail	Notes
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1	Type in “runphp.cmd” in command from in the path where NASA gamification project folder is located	IIS express gets started	IIS express gets started	Pass	
2	Open a browser and insert http://localhost:8080/ and click enter	Media Wiki page appears	Media Wiki page appears	Pass	
4	Click on Special page under tools	Special page appears	Special page appears	Pass	
5	Click on User gamification profile under Other spacial pages section	User Gamification Profile appears in Less than 2 seconds	User Gamification Profile appears in Less than 2 seconds	Pass	

Test Case Summary Results:

Test Assessment	Total Number of test Cases	% of Total Planned	Comments
Test Cases Planned	2	100%	
Test Cases Run	2	100%	
Test Cases Passed	2	100%	
Test Cases Failed	0	0%	

Bug Report Summary:

Severity Level	Total Reported	# Total Resolved	% Total resolved	#Total Unresolved	% Total Unresolved
1 (Critical)	0	0	0	0	0
2 (High)	0	0	0	0	0
3 (Medium)	0	0	0	0	0
4 (Low)	0	0	0	0	0