NASA EVA Gamification

TEST SUITE - PERFORMANCE TESTING

PHASE II

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Version Number	Description of Change	Author	Date
1.0	Initial Creation of Document	Samia Alam	7/15/18

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			
2	Open a browser and insert http://localhost:8080/ and click enter	Media Wiki page appears			
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			

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