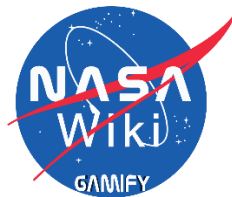


NASA EVA Gamification

DATABASE TEST SUMMARY REPORT

PHASE II



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Version Number	Description of Change	Author	Date
1.0	Initial Creation of Document	Samia Alam	7/8/18

Introduction

The purpose of this document is to provide the test scripts along with the results and overall summary of the database testing for phase 2 of NASA EVA gamification project. The database aspect of Phase 2 of the project included alteration of revision table only.

Test Summary

The test cases for database testing are created to ensure that the desired column needed to do the project is functional and created as specified. The planned test case for Database testing has been executed and passed. Currently there is no concern related to the database related changes and needs for the project.

1.0 Test Suite D01: Point Setup in Database

Following Test Case should be executed to test all database requirements associated with Point Assignment System feature

1.1 Test Case TC_D01.1: Alter revision table to add column

Test Case ID: TC_D01.1

Description: Test that rev_points_generated column can be added to the revision table

Requirements: F54 - The database shall track the number of points generated each revision. This information shall be in the form of a 4 digit wide unsigned integer which cannot contain a null value.

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, Mac, or CentOS hosting environment. This includes following minimum required components: MariaDB/MySQL (version 5.5.59 of MariaDB) and PHP (version 5.6)
- User has already logged into HeidiSQL using root user and pre-established root user's password, and verified that revision table already exists, and rev_points_generate column does not exist in revision table. If it does, user should delete the rev_points_generate column from revision table before executing this test case.

Test Script:

Step #	Test Steps	Expected Result	Actual Result	Pass/Fail	Notes
1	In mediawiki database, Open a blank query tab, paste the following query statement: Describe revision; And run it by clicking on the 'Execute SQL' or pressing F9	rev_points_generate column does not exist in revision table	rev_points_generate column does not exist in revision table	Pass	
2	Copy the following ALTER statement from the _____.sql file: ALTER TABLE revision ADD rev_points_generate INT(4) unsigned NOT NULL AFTER rev_page; and paste the statement in revision query tab	Query gets pasted in the query tab	Query gets pasted in the query tab	Pass	
3	Open a blank query tab, paste the query statement, and execute it by clicking on the 'Execute SQL' or pressing F9	Query is executed without error	Query is executed without error	Pass	
4	Refresh the table by re-running the step described on step#1 to check for new column	rev_points_generate column appears in the revision table right after the rev_page column	rev_points_generate column appears in the revision table right after the rev_page column	Pass	
5	Check the data type of the rev_points_generate column	Datatype is an INT	Datatype is an INT	Pass	
6	Check the length of the rev_points_generate column	Length is 4	Length is 4	Pass	
7	Check the 'Null' column' for rev_points_generated	The Null column has a value of 'NO'	The Null column has a value of 'NO'	Pass	

Test Case Summary Results:

Test Assessment	Total Number of test Cases	% of Total Planned	Comments
Test Cases Planned	1	100%	
Test Cases Run	1	100%	
Test Cases Passed	1	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