

NASA EVA Gamification

TEST SUITE - DATABASE TESTING

PHASE II



Prepared By
Laura Addiego
Samia Alam
Kelli Corey
Charles Milk
Adeola Odusola
Hung Pham

Table of Contents

1.0 Test Suite D01: Point Setup in Database	3
1.1 Test Case TC_D01.1: Alter revision table to add column	3
Test Script:	3

Version Number	Description of Change	Author	Date
1.0	Initial Creation of Document	Samia Alam	7/8/18
1.1	Revision	Laura Addiego	7/16/18

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			
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;	ALTER Statement is copied without issue			

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			
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			
5	Check the data type of the rev_points_generate column	Datatype is an INT			
6	Check the length of the rev_points_generate column	Length is 4			
7	Check the 'Null' column' for rev_points_generated	The Null column has a value of 'NO'			