**Database Test Scripts**

**NASA EVA Gamification**

*Group 3*

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| **Version Number** | **Description of Change** | **Author** | **Date** |
| 1.0 | Initial Creation of Document | Okechukwu Ogudebe | 03/03/2018 |
| 1.1 | Revised Document for Formatting | Michael Salgo | 03/15/2018 |

# Test Script < Database-01 >

## Identification

Unique Identifier of Script: Database-01

Test Script Version: Version 01

Author of Test Script:

Test Object: Database

## Preparation of the environment

Before this script is loaded the following actions should be taken to meet the desired environment conditions.

* MariaDB / MySQL should be correctly configured
* Build the game’s database with real “functions”
* Load the database
* Configure the database to work correctly on the browser and testing tools
* Access the database via PhpMyAdmin or MySQL Console

For the Database-01 test script, gamification\_badges database table has not been created. Our goal is to ensure that SQL scripts work correctly. Any SQL gamification\_badges query should result in a database error.

## Test Script

Tester: Okechukwu Ogudebe

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  | **Logging** | | |
| **Step#** | **Action to take** | **Expected Result** | **Actual Result** | **Pass/Fail** | **Remarks** |
| 1 | Connect to the database | Script connects to the database | Connects to our database | Pass | Connects our database to the game. Data can be parsed from the database to the game. Useful in storing and getting user information. |
| 2 | Checks if table gamification\_badges exists | The table should not exist | The table does not exist | Pass | We get an error when we try to access the gamification\_badge table. This is because we are yet to create the table. |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 3 | Checks that the table gamification\_badges has been created by the SQL script | The table should not exist | Displayed an error | Pass | Our database script is unable to access the table. The SQL script creating the table has not been run yet |
| 4 | Check if field user\_id is spelled correctly | user\_id field should not exist | Displayed an error | Pass | User\_id field has not been created. SQL error was expected |
| 5 | Check field badge\_tag is spelled correctly | The field badge\_tag should not exist | Displayed an error | Pass | The field badge\_tag has not been created. SQL error was expected |
| 6 | Check field badge\_rank is spelled correctly | The field badge\_rank should not exist | SQL script displayed an error | Pass | The field has not been created |
| 7 | Check the primary key of the table gamification\_badges | Primary key not found | SQL script displayed an error | Pass | The table does not exist. SQL script |
|  |  |  |  |  |  |