Master Test Plan

9/03/2018

# **Version Information**

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Authors | Description |
| 0.1 |  | Michelle Vinall | Initial draft of Master Test Plan |
|  |  |  |  |
|  |  |  |  |

# **Distribution List**

|  |  |
| --- | --- |
| Name | Function |
| Aaron Peachey | Team Member |
| Charnes Nell | Team Member |
| Collin Mckeahnie | Team Member |
| Michelle Vinall | Team Member |

# **Management Summary**

|  |
| --- |
| Project Objective  The project objective is to create an online quiz game capable of single and multiplayer modes that have integration with Facebook and Google Play Services to allow features such as sharing, challenging, viewing leader boards and achievements. |
| Test Objective and Assignment  This test plan will implement the following objectives:   * To provide test coverage for 100% of the documented requirements * To provide a testing guide for the development of all Functionality and Performance Testing required * To execute 100% of the test cases during User Acceptance Testing * To execute 100% of the test cases during Unit Testing * To execute 100% of the test cases during Integration Testing * Provide a schedule of all proposed tests   Assigned to   * Aaron Peachey-Tester * Charnes Nell-Tester * Collin Mckeahnie-Reviewer and Tester * Michelle Vinall-Author and Tester |
| Short Description of the Test Approach  The test approach of this document is to test the software user interface and functionality via several testing techniques. |
| Results to be Realised   |  |  |  | | --- | --- | --- | | Result | Document | Delivery Date | |
| Qualitative Objectives |
| Estimated Completion |
|  |
|  |

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# 1. INTRODUCTION

## 1.1 Project Objective

The project objective is to create an online quiz game capable of single and multiplayer modes that have integration with Facebook and Google Play Services to allow features such as sharing, challenging, viewing leader boards and achievements.

## 1.2 Objective

This test plan will implement the following objectives:

* To provide test coverage for 100% of the documented requirements
* To provide a testing guide for the development of all Functionality and Performance Testing required
* To execute 100% of the test cases during Unit Testing
* To execute 100% of the test cases during Integration Testing
* To execute 100% of the test cases during User Acceptance Testing
* Provide a schedule of all proposed tests

## 1.3 Involved in Creating the Master Test Plan

|  |  |  |
| --- | --- | --- |
| Name | Function | Responsibility |
| Michelle Vinall | Team Member | Writing the document |
| Collin Mckeahnie | Team Member | Reviewer |
|  |  |  |

# 2. ASSIGNMENT FORMULATION

## 2.1 Client

CSU Lecturer Jim Tulip

## 2.2 Supplier

Online Question Game Group

## 2.3 Assignment

The client wants an on-line Quiz game with multi and single player mode that can integrate with Facebook and Google Play Services. The tests outlined will be testing the functional and non-functional requirements set out in in the Initial Requirements Model document. The results from these test should show full use case realisation.

## 2.4 Scope

### 2.4.1 Functions to be tested.

### 2.4.2 Functions not to be tested.

## 2.5 Preconditions and Assumptions

Preconditions

* Test plan must be completed by 9th of April.
* Testing must be completed by 4th of April.
* The prevailing project plan is boundary for this master test plan and the execution of the test project is based on this.

Assumptions

* The application will run on Android and IOS operating systems

## 2.6 Acceptors and Acceptance Criteria

### 2.6.1 Acceptants

The table below states the acceptants of the Let’s Quiz application

|  |  |  |
| --- | --- | --- |
| Name | Function | Department |
| Jim Tulip | Lecturer | IT303 Lecturer CSU |
|  |  |  |
|  |  |  |

### 2.6.2 Acceptation criteria

The table below states which acceptance criteria there are for the Let’s Quiz application and to which standard they should apply:

|  |  |
| --- | --- |
| Description | Standard |
|  |  |
|  |  |
|  |  |

# 3. DOCUMENTATION

## 3.1 Basis for the Master Test Plan

The following documents are used as basis for this master test plan.

|  |  |  |  |
| --- | --- | --- | --- |
| **Document name** | **Version** | **Date** | **Author** |
| Initial Requirements Model | 0.2 |  | Michelle Vinall |
| Project Plan | 0.1 |  | Charnes Nell |

## 3.2 Standards

The following conventions and standards are applied for this test plan.

|  |  |  |  |
| --- | --- | --- | --- |
| **Document name** | **Version** | **Date** | **Author** |
|  |  |  |  |
|  |  |  |  |

## 3.3 Test basis

The test basis contains the documentation that serves as basis for the tests that have to be executed. The overview below describes the documentation that is the starting point for testing.

|  |  |  |  |
| --- | --- | --- | --- |
| **Document name** | **Version** | **Date** | **Author** |
| Master Test Plan | 0.1 |  |  |
| Initial Requirement Model | 0.2 |  |  |
| Project Plan | 0.1 |  |  |

# 4. TEST STRATEGY

## 4.1 Product Risk Analysis

During the risk assessment the test goals were also formulated. These can be found together with the corresponding characteristics in table below.

|  |  |  |
| --- | --- | --- |
| Test goal | Description | Characteristic |
|  |  |  |
|  |  |  |
|  |  |  |

# 5. APPROACH

## 5.1 Test Levels

For this MTP the following test levels are acknowledged:

|  |  |
| --- | --- |
| Test Level | Goal |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

## 5.2 The Unit Testing

### 5.2.1 Goal

### 5.2.2 Short Description

### 5.2.3 Responsible

## 5.3 The Integration Testing

### 5.3.1 Goal

### 5.3.2 Short Description

### 5.3.3 Responsible

## 5.4 The User Acceptance Testing

### 5.4.1 Goal

### 5.4.2 Short Description

### 5.4.3 Responsible

## 

## 5.5 Phasing Per Test Level

Phases to plan, execute and complete testing of each testing level

* Analysis of testing requirements
* Planning of tests to be used
* Development of tests
* Execution of tests
* Reporting of test results
* Analysing test results
* Documentation of test results
* Test closure

## 5.6 Entrance and Exit Criteria for Each Test Level

### 5.6.1 Functional Acceptance Test

### 5.6.2 User Acceptance Test

# 6. ORGANIZATION

## 6.1 Organization structure

## 6.2 Roles, tasks and responsibilities

## 6.3 Structure of meetings

## 6.4 Structure of reporting

## 6.5 Completion

## 

## 7 INFRASTRUCTURE

## 7.1 Test environments

## 7.2 Test tools

## 7.3 Office setup

# 8 MANAGEMENT

## 8.1 Test process management

## 8.2 Test infrastructure management

## 8.3 Test product management

## 8.4 Defects procedure

# 9 TEST PROCESS RISKS AND COUNTERMEASURES

# 10 GLOBAL ESTIMATION & PLANNING

## 10.1 Estimation

## 10.2 Planning

## 10.3 Milestones

# 11 Glossary