ITUNES

Draft:

Systems Test Plan for Search Version 1.0

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Revision History

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**1. INTRODUCTION**

**1.1. Overview of System**

The Search API allows you to place search fields in your website to search for content within the iTunes Store, App Store, iBooks Store and Mac App Store. You can search for a variety of content; including apps, iBooks, movies, podcasts, music, music videos, audiobooks, and TV shows.

**1.2. Purpose of this Document**

The purpose of this document is to describe what major functionality will be tested and provide enough information required for testing the search fields

**1.3.1. Formal Review Points**

1. Requirement Documents

2. Testing Strategy

3. Use Cases

4. Test Cases

5. System Test Progress

6. Defects

**1.4. Objectives of System Test**

At a high level, this System Test intends to prove that:-

• The functionality delivered by the development team, is as specified by the business in the Use Cases and Requirements Documents.

• The software is of high quality and the software will replace/support the intended business functions and achieves the standards required by the company for the development of new systems.

• The software delivered interfaces correctly with existing systems.

**1.4.1. Software Quality Assurance involvement**

The responsibility for testing will be as follows:

• Unit Test is the responsibility of the Recruiting Development Team

• System Testing is the responsibility of QA Team.

• User Acceptance Testing (UAT) is the responsibility of the representatives’ team as well as QA team.

• configuration and support team is the responsibility of the systems installation & support as well as data base.

**2. SCOPE AND OBJECTIVES**

**2.1. Scope of Test Approach - System Functions**

**2.1.1. INCLUSIONS**

The System Test will include the following functionalities:

• Students can see details of flights • Prospective students can save their searches • Prospective students should be able to view/edit their saved searches • Using the search results, prospective students should be able to start or continue an application 4 • Prospect should be able to contact an individual or multiple s for more information • Ability to compare details of selected flights

**2.2. Testing Process**

**(a) Organize Project**

involves creating a System Test Plan, Schedule & Test Approach, and requesting/assigning resources.

**(b)Design/Build System**

Test involves identifying Test Cycles, Test Cases, Entrance & Exit Criteria, Expected Results, etc. In general, test conditions/expected results will be identified by the Test Team in conjunction with the Project Business Analyst or Business Expert. The Test Team will then identify Test Cases and the Data required. The test conditions are derived from the Use Cases and the Requirements Documents.

**(c)Design/Build**

Test Procedures includes setting up procedures such as Error Management systems and Status reporting, and setting up the data.

**(d) Build Test Environment**

includes requesting/building hardware, software and data set-ups. (e) Execute Test Cases – Test scenarios (Test Cases) will be executed to ensure the quality.

**(f) Log Defects**

Log defects as they are found from executing Test Cases.

**(g) Sign off** –

Signoff happens when all pre-defined exit criteria have been achieved.

**2.2.1. Exclusions**

The QA team will not deal directly with the business. However, as the need arises, the QA Team Mercury Tours get involved in gathering requirements.

**2.3. Testing Scope (Test Types that will be performed)**

Outlined below are the main test types that will be performed for the MERCURY TOURS. All test plans and conditions will be developed from the Business Requirements and Use Cases.

**2.3.1. Functional Testing**

The objective of this test is to ensure that each element of the application meets the functional requirements of the business as outlined in the:

• Uses Case

• Data Catalog

• Other functional documents produced during the course of the project i.e. resolution to issues/change requests/feedback and requirement documents.

This stage will also include Validation Testing - which is intensive testing of the new Front end fields and screens. Windows GUI Standards; valid, invalid and limit data input; screen & field look and appearance, and overall consistency with the rest of the application will be tested.

**2.3.2. Integration Testing**

This test proves that all areas of the system interface with each other correctly and that there are no gaps in the data flow. Final Integration Test proves that system works as integrated unit when all the fixes are complete. Generally, No separate test is required.

**2.3.3 Beta Testing**

Upon completion of the requirements, development and System Testing phase, The Beta site will be created.

**2.3.4. User Acceptance Test (UAT)**

After Beta testing is completed The UAT site will be created within the production network

**2.3.4. Stress Testing**

After the Beta Testing is complete, Test Team will perform this testing which will determine the stability of website.

**2.3.5. Regression Testing**

A Regression test will be performed after the release of each Phase of testing to ensure that - • There is break down of existing functionalities or application when new functionalities are added or modified.

• To ensure that there the increase in functionality maintains the smoothness and stability of the software

**2.4. Test Entrance/Exit Criteria**

**2.4.1. Entrance Criteria**

The Entrance Criteria described in the Test Strategy, should be fulfilled before System Test can commence.

• All developed code must be unit tested. Unit testing must be completed and signed off by development team.

• System Test plans must be signed off by Business Analyst and Test Manager. • All human resources must be assigned and in place.

• All test hardware and environments must be in place, and free for System test use.

• The Acceptance Tests must be completed, with a pass rate of not less than 90%.

**2.4.2. Exit Criteria**

The Exit Criteria detailed below must be

• All Critical and High Priority errors from System Test must be fixed and tested

• If any medium or low-priority errors are outstanding - the implementation risk must be signed off as acceptable by Business Analyst.

• User Acceptance Test must be signed off by Business Expert from Itunes.

**3. RESOURCES**

The resource available in the Recruiting facility should be enough for testing.

**4. ROLES AND RESPONSIBILITIES**

1. Name of employee: Role :Ph num

**5. STATUS REPORTING**

Test preparation and testing progress will be formally reported during a weekly Status Meeting to the Director of Product Development. A status report will be prepared by the Test Manager to facilitate this meeting. This report will contain the following information:-

1. Current Status Plan (Ahead/Behind/On Schedule)

2. Progress of tasks planned for previous week

3. Tasks planned for next week including tasks carried from previous week

4. Error Statistics from Error Measurement system

5. Issues/Risks

6. AOB (Any Other Business)

**6. Issues, Risks and Assumptions**

**6.1. Issues/Risks**

1. No further changes or inclusions will be considered for inclusion in the release except

1. Where there is permission and agreement of the Business Analyst and the Test Manager

2. Where the changes/inclusions will not require significant effort on behalf of the test team and will not adversely affect the test schedule. This is a potentially serious issue, as any major changes to design will entail additional time to re-plan testing and to create or amend test conditions.

Responsible: Director of Product Development

Final list of inclusions to be signed off.

2. The design of the software must be final, and design documentation must be complete, informative and signed off by all parties prior to System Test proper commences.

**6.2. Assumptions**

• Software will be delivered on time.

• Software is of the required quality.

• All "Show-Stopper" bugs receive immediate attention from the development team.

• All bugs found in a version of the software will be fixed and unit tested by the development team before the next version is released.

• Functionality is delivered to schedule.

• Required resources are available.

• All documentation will be up to date and delivered to the system test team.

• Functional and technical specifications will be signed off by the business.

• The Intranet will be fully functional prior to project commencement.

**7. Formal Signoff**

This document must be formally approved before System Test can commence. The following people will be required to sign off :-

Signed Off by: Priyanka Ponnapalli : QA Analyst

Date :10/28.2016