Minecruft

Test Plan

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## Introduction

### Purpose of This Document

The purpose of this document is to outline the objectives and strategy for testing Minecruft.

### Objectives

Describe the objectives supported by the Master Test Plan, eg., defining tasks and responsibilities, vehicle for communication, document to be used as a service level agreement, etc.

### Tasks

List all tasks identified by this Test Plan, i.e., testing, post-testing, problem reporting, etc.

### Scope

#### General

This section describes what is being tested, such as all the functions of a specific product, its existing interfaces, integration of all functions.

#### Tactics

List here how you will accomplish the items that you have listed in the "Scope" section. For example, if you have mentioned that you will be testing the existing interfaces, what would be the procedures you would follow to notify the key people to represent their respective areas, as well as allotting time in their schedule for assisting you in accomplishing your activity?

## Testing Strategy

Describe the overall approach to testing. For each major group of features or feature combinations, specify the approach which will ensure that these feature groups are adequately tested. Specify the major activities, techniques, and tools which are used to test the designated groups of features.

The approach should be described in sufficient detail to permit identification of the major testing tasks and estimation of the time required to do each one.

### Unit Testing

Definition: Specify the minimum degree of comprehensiveness desired. Identify the techniques which will be used to judge the comprehensiveness of the testing effort (for example, determining which statements have been executed at least once). Specify any additional completion criteria (for example, error frequency). The techniques to be used to trace requirements should be specified.

The development team are responsible for writing unit test code for all code written. The Testing team may be required to advise on integrated unit tests, based on main functional areas.

Where possible, mocked unit tests will be written to minimize the time taken to run the full suite by removing database reads/writes and unnecessary processing.

Methodology: Describe how unit testing will be conducted. Who will write the test scripts for the unit testing, what would be the sequence of events of Unit Testing and how will the testing activity take place?

### System and Integration Testing

Definition: List what is your understanding of System and Integration Testing for your project.

Participants: Who will be conducting System and Integration Testing on your project? List the individuals that will be responsible for this activity.

Methodology: Describe how System & Integration testing will be conducted. Who will write the test scripts for the unit testing, what would be sequence of events of System & Integration Testing, and how will the testing activity take place?

### Performance and Stress Testing

Definition: List what is your understanding of Stress Testing for your project.

Participants: Who will be conducting Stress Testing on your project? List the individuals that will be responsible for this activity.

Methodology: Describe how Performance & Stress testing will be conducted. Who will write the test scripts for the testing, what would be sequence of events of Performance & Stress Testing, and how will the testing activity take place?

### User Acceptance Testing

Definition: The purpose of acceptance test is to confirm that the system is ready for operational use. During acceptance test, end-users (customers) of the system compare the system to its initial requirements.

Participants: Who will be responsible for User Acceptance Testing? List the individuals' names and responsibility.

Methodology: Describe how the User Acceptance testing will be conducted. Who will write the test scripts for the testing, what would be sequence of events of User Acceptance Testing, and how will the testing activity take place?

## Test Schedule

Include test milestones identified in the Software Project Schedule as well as all item transmittal events.

Define any additional test milestones needed. Estimate the time required to do each testing task. Specify the schedule for each testing task and test milestone. For each testing resource (that is, facilities, tools, and staff), specify its periods of use.

### Major Deliverables

The following are the major testing related deliverables and their due dates. These may change depending on resource availability.

* Test Plan
  + Due: Day 0 -
* Test Cases
  + Work on test cases will commence simultaneously with the development effort. The test cases will be released as they are completed.
* Test Incident Reports
  + When any defects are found while testing, bug tickets should be created for these immediately.
  + Weekly reports of all discovered and resolved defects will be circulated to the project team over the course of the project.
* Test Summary Reports

## Resources/Roles & Responsibilities

Specify the staff members who are involved in the test project and what their roles are going to be (for example, Mary Brown (User) compile Test Cases for Acceptance Testing). Identify groups responsible for managing, designing, preparing, executing, and resolving the test activities as well as related issues. Also identify groups responsible for providing the test environment. These groups may include developers, testers, operations staff, testing services, etc.

## Risks

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