NAME OF THE PRODUCT

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TABLE OF CONTENTS

1. Introduction

The product is a pixeled 2D side scrolling platform game. At first divided into three levels with a different range of enemies and bosses. In order to kill the enemies, the player can attack shooting a ball of flame from using the left mouse click. In the game scene, the player’s health bar and boss’s health bar will be represented by diamonds (red for the player and blue for the boss), the background will be used repeatedly, the player will be presented with some health pickups to increase his health

The player will be presented with a main menu which he can start the game, change the

The game will have three options on start-up: ‘Play’, ‘Settings’, and ‘Exit Game’.

Selecting ‘Play’ will take the player into the game and the player will begin at Level 1. If a save system is able to be implemented, the player will begin at their last saved point. ‘Settings’ will allow the player to edit game settings, such as sound level and music level. ‘Exit Game’ will quit the application’. OPTIONAL: Include a ‘Load Save’, ‘Save Game’, and ‘Delete Save’ option. This will allow the player to create multiple save files and be able to choose which one to load.

2.0

2.1. Test Objectives

The objective of testing is to assure that the system meets the full requirements, fit metrics for each quality requirement and satisfies the use case scenarios and maintain the quality of the product. The software test will ensure that our software is free from high and medium severity defects and all the game logic will function as intended. For example:

After killing the boss, the player should go to the next level.

Picking up the “health pickup”, the health of the player should increase

3.0 SCOPE

* 3.1 Functions to be tested. he menu and the menu functions
* art (character model, platform, texture, objects, enemies, etc.)
* animation (when the player/ enemy is attacking)
* music
* audio and the sound effect
* title screens
* game logic and flow
* world/scene/level
* increasing levels of difficulty
* the scoring
* the game options (game start or menu selection, game pause, pause menu options)
* health bar and health pickup

3.2

The

4.0

5.0

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| --- | --- | --- | --- | --- |
| Task Name | Start | Finish | Team | Comments |
| Test Planning | 05/05 | 07/05 |  |  |
| Review Requirements documents | 05/05 | 06/05 |  |  |
| Create test basis |  |  |  |  |
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6.0

See Appendix 1 and Appendix 2

7.0

**Features To Be Tested**

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| --- | --- |
| **Music/**  **Sounds** | ON/OFF sound & background music |
| Verify if sound effects are in sync with action |
| **User Interface** | Check for animation, movement of character, graphics etc |
| Test whether one object overlaps with another |
| Verify if loading indicator is displayed wherever required |
| Character should not move out of the screen/specified area |
| Check for screen title |
| Font displayed (color, size etc) |
| Check other objects (platform, pickup items, tree on background, etc) |
| **Performance** | Check the loading time of a game (starting the game and changing levels) |
| **Score** | score calculation |
| Check for level completion syncs with the score |
| **Multitasking** | Switch between different apps and play game, check for sound, score, UI |
| **Pause** | Check if game is paused when multitasking or spacebar is pressed |
| **Functionality** | Check game area, game logic |
| play till last level |
| Check for bonus score |
| Check the score hike when level gets increased |
| Menu options |

8.0

**Features Not To Be Tested**

|  |  |
| --- | --- |
| Check Share options | Post score via mail/FB/Twitter |

Not to be included in this release of the Software.

9.0

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| --- | --- | --- |
| Role | Staff Member | Responsabilities |
| Project Manager |  | In charge of recruiting, staff supervision, and staff training.  Responsible for test budgeting and test planning and the cohesive integration of test and development activities.  Coordinate meetings and keep track of the progress of the testing as well as ensuring that test-product documentation is complete. |
| Lead Designer / Team |  | Develop all testing scenarios and procedures.  In charge of training new testers, the procedures for bug and status reporting.  Be able to identify the best ways to leverage a test tool on the project and to review test reports. |
| Designer |  | Execute automated test cases using test scripts designed by the programmers as well as manual tests.  Prepare test reports which will be reviewed by the Lead Designer. |
| Lead Programmer |  | In charge of the technical aspect of leadership for the testing.  Be able to verify the quality of the requirements, including testability, requirement definition, test design, test-script and test-data development, test automation, test-environment configuration; test-script configuration management, and test execution.  The Lead Programmer will help train new testers to use existing test tools. |
| Programmer |  | Maintaining test environment and creating automated scripts.  Responsible for executing security, load and performance stress test.  Preparing test reports which will be reviewed by the Lead Programmer. |
| Public Testers |  | Public Testers will be introduced to the project to provide external feedback from the consumers and usability testing. |

10.0

11.0

*Risk and Mitigation*

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| --- | --- | --- |
| Task Delay | High | - Pinpoint problem origin and solve it immediately  - Require tester to sign task completion report form |
| Unexpected absence of staff | Medium | - Enlist a temporary substitute employee through specialist or freelance.  - If unable, director are to temporarily fill in the work.  - All staff are to weekly document their work in preparation for their substitutes. |
| Insufficient tester | Low | - Project leads are to temporarily fill in the work  - Hire 3rd party tester or freelance |
| Insufficient skilled tester | Low | - Make sure testers go through tester training briefing |

Appendix 1

PROBLEM REPORT

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test ID** | **Test Name** | **Issue** | **Responsible** | **Date** | **Action Taken** | **Status** |
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Appendix 2

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| --- | --- | --- | --- | --- | --- | --- |
| **Module** | **Request** | **How is now** | **How it will be** | **Reasons for change** | **Positive Impact** | **Negative Impact** |
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