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Test Plan Template: The Pixel Wizard

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1. **Introduction**

The Pixel Wizard is a 2D side-scrolling platform game with artwork inspired by games like Shovel Knight, which also use pixel art. The player/wizard will navigate through each round with increasing difficulty.

In each round the player must use magic to defeat the encountered enemies whilst collecting pickups which will replenish the wizard’s health. The “magic” refers to the wizard’s ability to shoot fireballs and freeze spells at the enemy.

Each round will also present a “boss” that the player must defeat to progress to the next round. The player will be able to see the boss’s health status on the screen as well as their own.

1. **Objectives and Tasks**

The main objectives of the testing process are:

* To achieve 100% decision coverage.
* To ensure that the product will be launched with no critical bugs.
* To ensure that all team members are aware of their responsibilities.
* To ensure that all team members are aware of the scope and the location of their tasks within.

The tasks involved:

* TO-DO

1. **Scope**

The testing lifecycle will take place between 1/5/20 and 5/7/20.

Throughout the testing lifecycle, the following functions/interfaces of The Pixel Wizard will be tested:

* Start Menu. Ensure that all buttons work correctly (including the sound and music levels inside Settings). We need to ensure that all “back” buttons work correctly i.e. that the user can always swiftly return to the menu.
* In-Game Menu. All buttons inside this menu should work essentially the same as in the start menu. However, in place of the “start game” option, the user should see a “back to main menu option”. All buttons should be thoroughly tested for bugs. The restart option should reset everything and take the user back to the beginning of the round. To open/close the game menu, simply press the escape button.
* Gameplay. All functions need to be tested (shooting fireballs/freeze spells).

-- The player should be presented with instructions at the start of the level.

-- The player should progress to the next round after each level is complete.

-- The game difficulty should increase with the rounds.

-- Upon completion, the user should be presented with the option to restart or exit the game.

Throughout the testing process. All bugs should be logged under the correct heading with their test case number in the documentation on GitHub, with information such as the severity of the bug, it’s location in the game, which stage of the test process the tester was in and timestamp.

Depending on the severity of the bug, the tester may need to announce in the teams group chat that the schedule should be re-examined as a result. The developer(s) responsible for this area of the game will subsequently be contacted and the information will be relayed. Then, a meeting may or may not be held to reorganise the testing process going forward.

**4.0 Testing Strategy**