**Multiplatform Testing Process Report**

**Jason Captor/Cactus Games**

**Testing Plan and Setup**

In order to test that the game runs well on all targeted platforms, I will create a test build of the game for each of the target platforms, play until I score 100 points or lose the game, then analyse and report the results.

The platforms my game is targeting are:

1. HP Reverb G2
2. Oculus Quest 2
3. Oculus Rift S

**Post Testing and Results Summary**

Testing on both Oculus platforms, I noticed the graphical fidelity of the game was automatically adjusted when building to reduce texture detail and generally improve performance, compared to building for the Reverb. The Rift S platform in particular seemed to run into issues with spawning multiple objects, much faster than the other platforms.

**Rectification Summary**

In solving the issues, I made optimizations to the code to make it perform better on the weaker hardware. While these optimizations increased the playability for more types of systems, it was a lot of extra effort to accomplish and that effort provide little benefit for the other targeted platforms. In future, it would be best to either make these considerations at the outset and include optimizations for weaker hardware while systems are still being developed, or to target higher-end hardware and simply limit the accessibility of the game to save on development time. This would need to be a decision made early on, depending on the time allotted and the benefits of opening the game up to more potential players.