

SE 3XA3: Test Plan Staroids

Team 20, Staroids
Eoin Lynagh, lynaghe
Jason Nagy, nagyj2
Moziah San Vicente, sanvicem

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Table 1: **Revision History**

Date	Version	Notes
Oct 22 2018	1.0	Added Purpose, Test Team, Scope, a couple Acronyms, abbreviations, and symbols
Date 2	1.1	Notes

1 General Information

1.1 Purpose

This document is designed to show the detailed test plan for the Staroids game. This will include a description of the testing, validation, and verification procedures that will be implemented. All the tests in this document have been created before the final implementation has been completed and any tests have actually occurred, so it will be the guide followed during the testing phase of the project.

1.2 Scope

The scope of the test plan is to provide a basis for testing the functionality of this re-implementation of asteroids. It has the objective of proving all the functional and non functional requirements listed in the SRS document.

1.3 Acronyms, Abbreviations, and Symbols

Table 2: **Table of Abbreviations**

Abbreviation	Definition
POC	Proof of Concept
SRS	Software Requirements Specification

Table 3: **Table of Definitions**

Term	Definition
Term1	Definition1
Term2	Definition2

1.4 Overview of Document

2 Plan

2.1 Software Description

2.2 Test Team

The test team for this project consists of the following members who are each responsible for writing and executing tests for modules later to be specified:

- Moziah San Vicente
- Eoin Lynagh
- Jason Nagy

2.3 Automated Testing Approach

2.4 Testing Tools

2.5 Testing Schedule

See Gantt Chart at the following url ...

3 System Test Description

3.1 Tests for Functional Requirements

3.1.1 Area of Testing1

Title for Test

1. test-id1

Type: Functional, Dynamic, Manual, Static etc.

Initial State:

Input:

Output:

How test will be performed:

2. test-id2

Type: Functional, Dynamic, Manual, Static etc.

Initial State:

Input:

Output:

How test will be performed:

3.1.2 Area of Testing2

...

3.2 Tests for Nonfunctional Requirements

3.2.1 Area of Testing1

Title for Test

1. test-id1

Type:

Initial State:

Input/Condition:

Output/Result:

How test will be performed:

2. test-id2

Type: Functional, Dynamic, Manual, Static etc.

Initial State:

Input:

Output:

How test will be performed:

3.2.2 Area of Testing2

...

3.3 Traceability Between Test Cases and Requirements

4 Tests for Proof of Concept

4.1 Area of Testing1

Title for Test

1. test-id1

Type: Functional, Dynamic, Manual, Static etc.

Initial State:

Input:

Output:

How test will be performed:

2. test-id2

Type: Functional, Dynamic, Manual, Static etc.

Initial State:

Input:

Output:

How test will be performed:

4.2 Area of Testing2

...

5 Comparison to Existing Implementation

6 Unit Testing Plan

6.1 Unit testing of internal functions

6.2 Unit testing of output files

7 Appendix

This is where you can place additional information.

7.1 Symbolic Parameters

The definition of the test cases will call for SYMBOLIC_CONSTANTS. Their values are defined in this section for easy maintenance.

7.2 Usability Survey Questions?

This is a section that would be appropriate for some teams.