Testing Documentation

Stargate: Galaxy

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1 Tables and Figures

No Tables of Figures

2 Revision History

Name	Date	Reason For Changes	Version

3 Introduction

3.1 Documentation Purpose

The purpose of this document is to define test cases to evaluate a game called Stargate: Galaxy. This document also provides the results of the execution of these test cases and provides suggestions about issues that have been discovered during testing.

3.2 Testing Strategy

The primary source for the creation of the test cases was the System Requirements Specification created for Stargate: Galaxy. The requirements also helped to define a base for other tests completed as part of the testing process. Other sources for tests were the source code of the game and the System Design Document. The tests were then split into the following categories

Test Category	Source Document
System Tests	SRS
Requirements Tests	SRS
Unit Tests	Source Code
Integration Tests	Source Code
Other White Box Tests	Source Code

Tests were completed by individuals and then reviewed by other members of the group; this was done in order to reduce the potential for error during the test execution process. Where possible the tests have included references in order to find the location of related pieces of documentation.

3.3 Limitations of Testing Strategy

During the testing process the test cases were split into three separate categories: critical, core and additional. Test cases in the critical category were cases that must pass in order to proceed with testing, Core tests are tests that have been carried out on important parts of the functionality; additional test cases included minor functionality which was considered important enough to be tested.

It was not the case with the testing of done during the development of this document, but if it had been found that a serious defect existed then code would have been submitted back to the developers for correction.

4 Test-case Specification

4.1 System Tests

Summary		
Critical	1.1	Compile source code
	1.2	Runs on a Windows Environment

ID: 1.1	Test Name: Compile source	code	
References: Requirements			
	Documentation		
	Code		
	Other Tests		
Purpose:	To Test that the program compiles corre	ectly within the Unity environment on the	
	windows platform using the default con	figuration.	
Type:	System	Nature of Test: Black Box	
Componer	nt to be tested: Project files		
Pre-condit	tions:		
Input #	Input:	Expected Output:	
1	Open the project in Unity and select the	The source code is successfully compiled with	
	Build and Run option	no errors occurring.	
Post-cond	itions: The application is compiled	d	
Environm	ental needs: Windows platform		
	Unity Running		
Stubs and	Drivers:		
Other Information:			

ID: 1.2	Test Name: Runs on a windo	ows environment			
Reference	s: Requirements				
	Documentation				
	Code				
	Other Tests				
Purpose:	To test that the application successfully	runs.			
Type:	System	Nature of Test: Black Box			
Componer	nt to be tested: Project files				
Pre-condit	tions: The application is comp	iled			
Input #	Input:	Expected Output:			
1	Run the compiled application within the	The application successfully runs with no errors			
	Unity Environment	occurring while opening.			
2	Run the compiled application from the	The file executes successfully with no errors			
	exe file that is generated by the project	occurring while opening.			
Post-cond	Post-conditions: The application window is open				
Environm	ental needs: Windows platform				
	Unity Running				
Stubs and	Drivers:				
Other Information:					

4.2 Requirements Tests

	Summary			
Core	2.1	Ships exist within the game world		
	2.2	Planets and other objects (supergate) exist within the game world		
	2.3	GUI exists		
	2.4	Move to a specific point in space		
	2.5	Move to an object within the game world (ship, planet etc)		
	2.6	Move to object and orbit		
	2.7	Target Object (ship, planet, etc)		
	2.8	Move to Target		
	2.9	AI ship movement		
	2.10	Fire on Target		
	2.11	AI ship targeting		
	2.12	Select Weapon		
	2.13	Engage in combat		
	2.14	Escape from combat		
	2.15	Main Menu		
	2.16	Ingame Menu		
	2.17	Save		
	2.18	Load		
	2.19	Enter Hyperspace		
	2.20	Exit Hyperspace		
	2.21	Travel through Supergate		
	2.22	Ship Destroyed		
	2.23	Gain Experience		
	2.24	Collect loot		
	2.25	Trade Resources		
	2.26	Call allies		
	2.27	Capture Planet		
	2.28	Change Planet Status		
	2.29	Track Current Power levels		
	2.30	Move Power between systems		
Additional	2.31	Ships have different statistics and models depending upon race		
	2.32	Weapon deals different damage based on weapon type		

ID: 2.1	Test Name: Ship exists wit	hin game world
Reference	es: Requirements	
	Documentation	
	Code	
	Other Tests	
Purpose:	To test that the ships exist within the	game world
Type:	Requirements	Nature of Test: Black Box
Compone	nt to be tested: The application creati	ing ships within the game world
Pre-condi	tions: Application needs to	be compiled and running
Input #	Input:	Expected Output:
1	Player's ship exists within the game	Ship exists
	world	
2	AI ships exist within the game world	Claimananing
2	At ships exist within the game world	Ships exist
Post-cond	1 0	1
	1 0	me
	itions: Ships exist within the ga	me
	itions: Ships exist within the ga ental needs: Instance of the application A user	me

ID: 2.2	Test Name: Planets and other world	ner objects (supergate) exist within the game	
References:	Requirements		
	Documentation		
	Code		
	Other Tests		
Purpose: T	o test that the planets and other object	ets exist within the game world	
Type: R	equirements	Nature of Test: Black Box	
Component to	be tested: The application creati	ng planets and other objects within the game world	
Pre-conditions	s: Application needs to b	be compiled and running	
Input # Inp	out:	Expected Output:	
1 Pla	nets exist within the game world	Planets exist	
2 Suj	pergate exists within the game world	Supergate exists	
Post-conditions: Planets and other game objects exist within the game world		bjects exist within the game world	
Environmenta	l needs: Instance of the application	on running.	
	A user		
Stubs and Dri	Stubs and Drivers:		
Other Informa	Other Information:		

ID: 2.3	Test Name: GUI Exists			
Reference	s: Requirements			
	Documentation			
	Code			
	Other Tests			
Purpose:	To test that the GUI exists while the gam	ne is running		
Type:	Requirements	Nature of Test: Black Box		
	nt to be tested: The application creating	ships within the game world		
Pre-condi	tions: Application needs to be	compiled and running		
Input #	Input:	Expected Output:		
1	GUI exists within the game world	GUI exists		
2	Map pane exists within the GUI	Map pane exists		
3	Power management pane exists within	Power management pane exists		
	the GUI			
4	Weapons pane exists within the GUI	Weapons pane exists		
5	Health pane exists within the GUI	Health pane exists		
6	Targeting information pane exists within	Targeting information pane exists		
	the GUI			
Post-conditions: GUI and elements of the GUI exist within the game				
Environm	ental needs: Instance of the application	running.		
	A user			
Stubs and	Stubs and Drivers:			
Other Info	Other Information:			

ID: 2.4	Test Name: Move to a specific point in space				
References: Requirements					
	Documentation				
	Code				
	Other Tests				
Purpose:	To test that the players ship can move to a specific point in space				
Type:	Requirements Nature of Test: Black Box				
	ent to be tested: Ship Movement				
Pre-condi	itions: Application needs to be compiled and running				
Input #	Input: Expected Output:				
1	Scenario: The player wishes to move to The players ship moves to the specified point				
	a point in between two planets where				
	there are no enemies				
Post-cond	Post-conditions:				
Environm	Environmental needs: Instance of the application running.				
	A user				
Stubs and Drivers:					
Stubs and	i Dilvers.				

ID: 2.5	Test Name: Move to an object	ct within the game world (ship, planet)			
References	: Requirements				
	Documentation				
	Code				
	Other Tests				
Purpose:	To test that the players ship can move to	a specific object			
Type:	Requirements	Nature of Test: Black Box			
Componen	t to be tested: Ship Movement				
Pre-conditi	ions: Application needs to be	compiled and running			
Input #	Input:	Expected Output:			
1	Scenario: The player wishes to move to	The players ship moves to the enemy ship			
	an enemy ship				
2	Scenario: The player wishes to move to	The players ship moves to the specified planet			
	a planet				
3	Scenario: The player wishes to move to	The players ship moves to the allied ship			
	an allied ship				
Post-condit	Post-conditions:				
Environme	Environmental needs: Instance of the application running.				
	A user				
Stubs and I	Drivers:				
Other Infor	Other Information:				

ID: 2.6	Test Name:	Move to an obje	ect and orbit	
Reference	es: Requirements			
	Documentation			
	Code			
	Other Tests	2.5		
Purpose:	Ship moves to an obj	ect and orbits it		
Type:	Requirements		Nature of Test: Black Box	
	nt to be tested: Ship	Movement		
Pre-condi	tions: Appl	ication needs to be	compiled and running	
Input #	Input:		Expected Output:	
1	Scenario: The player w	vishes to move to	The players ship moves to the specified ship	
	an enemy ship and orb	it it	and orbits it	
2	Scenario: The player w	vishes to move to	The players ship moves to the specified ship	
	an allied ship and orbit	-	and orbits it	
3	Scenario: The player w	vishes to orbit a	The players ship moves to the specified planet	
	planet		and orbits it	
Post-conditions:				
Environmental needs: Instance of the application running.				
A user				
Stubs and	Stubs and Drivers:			
Other Info	Other Information:			

ID: 2.7	Test Name: Target Object				
References	References: Requirements				
Documentation					
	Code				
	Other Tests				
Purpose:	Check that the player can target objects				
Type:	Requirements	Nature of Test: Black Box			
Componen	nt to be tested: Target Object				
Pre-conditi	ions: Application needs to be	compiled and running			
Input #	Input:	Expected Output:			
1	Scenario: The player targets an enemy	The enemy ship is targeted and the information			
	ship	is shown on the display			
2	Scenario: The player targets an allied	The allied ship is targeted and the information			
	ship	is shown on the display			
3	Scenario: The player targets a planet	The planet is targeted and the information is			
		shown on the display			
4	Scenario: The player targets the	The supergate is targeted and the information is			
	supergate	shown on the display			
Post-conditions:					
Environmental needs: Instance of the application running.					
A user					
Stubs and Drivers:					
Other Info	Other Information:				

ID: 2.8	Test Name:	Move to Target		
Reference	s: Requirements			
	Documentation			
	Code			
	Other Tests	2.7		
Purpose:	The player can move	to the target		
Type:	Requirements		Nature of Test: Black Box	
Componer	nt to be tested: Ship	Movement		
Pre-condit	ions: Appli	cation needs to be	compiled and running	
Input #	Input:		Expected Output:	
1	Scenario: The player w	ishes to move to	The players ship moves to the targeted ship	
	a targeted enemy ship			
2	Scenario: The player w a targeted allied ship	ishes to move to	The players ship moves to the targeted ship	
3	Scenario: The player w	ichec to orbit a	The players ship moves to the targeted planet	
3	targeted planet	ishes to orbit a	The players ship moves to the targeted planet	
Post-conditions:				
Environm	Environmental needs: Instance of the application running.			
	A user			
Stubs and	Stubs and Drivers:			
Other Info	Other Information:			

ID: 2.9	Test Name: AI Ship Mo	ovement			
Reference	es: Requirements				
	Documentation				
	Code				
	Other Tests 2.5, 2.6, 2.8				
Purpose:	The AI ships can move to a number	er of targets			
Type:	Requirements	Nature of Test: Black Box			
Componer	nt to be tested: Ship Movement				
Pre-condi	tions: Application needs	to be compiled and running			
Input #	Input:	Expected Output:			
1	Scenario: The AI ship wishes to mo	ve The ship moves towards the players ship			
	towards the players ship				
2	Scenario: The AI ship wishes to mo	ve The ship moves towards the allied ship			
	towards an allied AI ship				
3	Scenario: The AI ship wishes to mo	ve The ship moves towards the enemy ship			
	towards an enemy AI ship				
4	Scenario: The AI ship wishes to mo	ve The ship moves towards a planet			
	towards a planet				
5	Scenario: The AI ship wishes to mo	*			
	towards and orbit the players ship	ship			
6	Scenario: The AI ship wishes to mo	*			
	towards and orbit an allied AI ship	ship			
7	Scenario: The AI ship wishes to mo				
_	towards and orbit an enemy AI ship				
8	Scenario: The AI ship wishes to mo	ve The ship moves towards and orbits the planet			
towards and orbit an AI ship					
Post-conditions:					
Environmental needs: Instance of the application running.					
A user					
Stubs and Drivers:					
Other Info	Other Information:				

ID: 2.10	Test Name: Fire on Tar	rget			
Reference	es: Requirements				
	Documentation				
	Code				
	Other Tests				
Purpose:	Test that ships can fire upon one a	nother			
Type:	Requirements	Nature of Test: Black Box			
Compone	nt to be tested: Combat				
Pre-condi	tions: Application needs	to be compiled and running			
Input #	Input:	Expected Output:			
1	Scenario: The player wishes to fire				
	a targeted ship using the energy wea				
2	Scenario: The player wishes to fire				
	a targeted ship using the railgun	ship			
3	Scenario: The player wishes to fire	upon The players ship fires rockets at the targeted			
	a targeted ship using the rockets	ship			
4	Scenario: An AI ship wishes to fire	upon The AI ship fires its energy weapon at the			
	the players ship using an energy we				
5	Scenario: An AI ship wishes to fire	upon The AI ship fires its railguns at the players ship			
	the players ship using a railgun				
6	Scenario: An AI ship wishes to fire	upon The AI ship fires its rockets at the players ship			
	the players ship using a rocket				
7	Scenario: An AI ship wishes to fire				
	another AI ship using an Energy	other AI ship			
_	Weapon				
8	Scenario: An AI ship wishes to fire	upon The AI ship fires its railgun at the other AI ship			
0	another AI ship using a railgun				
9	Scenario: An AI ship wishes to fire				
10	another AI ship using rockets	rockets			
10	Scenario: A Replicator Ship wishes				
	fire upon another ship using its spec attack	which then has a chance of being infected			
	Post-conditions:				
Environmental needs: Instance of the application running.					
A user					
	Stubs and Drivers:				
Other Information:					

ID: 2.11	Test Name: AI ship targeting			
References	References: Requirements			
	Documentation			
	Code			
	Other Tests			
Purpose:	Ensure that the AI can target ship			
Type:	Requirements	Nature of Test: Black Box		
Componen	nt to be tested: Combat			
Pre-conditi	ions: Application needs to be	compiled and running		
Input #	Input:	Expected Output:		
1	Scenario: The AI wishes to target the	The AI ship targets the players ship		
	players ship			
	Scenario: The AI ship wishes to target another AI ship	The AI ship targets the other AI ship		
3	Scenario: The AI ship wishes to target a	The AI ship targets the planet		
	planet			
Post-conditions:				
Environme	Environmental needs: Instance of the application running.			
	A user			
Stubs and l	Stubs and Drivers:			
Other Info	Other Information:			

References: Requirements Documentation Code				
Code				
Other Tests				
Purpose: Ensure that the player can select between the weapons that they have available				
Type: Requirements Nature of Test: Black Box				
Component to be tested: Combat				
Pre-conditions: Application needs to be compiled and running				
Input # Input: Expected Output:				
Scenario: The player wishes to use their The weapon readout reflects the change in				
railgun weapon weaponry				
2 Scenario: The player wishes to use their The weapon readout reflects the change in				
energy weapon weaponry				
3 Scenario: The player wishes to use their The weapon readout reflects the change in				
rockets weaponry				
Post-conditions:				
Environmental needs: Instance of the application running.				
A user				
Stubs and Drivers:				
Other Information:				

ID: 2.13	Test Name:	Engage in Comb	pat	
References	s: Requirements			
	Documentation			
	Code			
	Other Tests	2.7, 2.8, 2.9, 2.10	, 2.11	
Purpose:	Ship moves to target	and fires upon it		
Type:	Requirements		Nature of Test: Black Box	
Componer	nt to be tested: Ship	Movement and cor	nbat	
Pre-condit	ions: Appl	ication needs to be	compiled and running	
Input #	Input:		Expected Output:	
1	Scenario: The player w	ishes to engage	The players ship moves towards the enemy ship	
	an enemy ship in comb	oat	and opens fire with the currently selected	
			weapon	
2	Scenario: An AI ship v	vishes to engage	The AI ship moves to the players ship and then	
	the players ship		fires upon it	
3	Scenario: An AI ship v	vishes to engage	The AI ship moves to the targeted ship and	
	another AI ship		opens fire	
Post-conditions:				
Environmental needs: Instance of the application		of the application	running.	
	A user			
Stubs and	Stubs and Drivers:			
Other Info	Other Information:			

ID: 2.1 4	Test Name: Escape from con	ıbat		
Reference	es: Requirements			
	Documentation			
	Code			
	Other Tests			
Purpose:	A ship needs to flee from combat			
Type:	Requirements	Nature of Test: Black Box		
Compone	nt to be tested: Ship Movement			
Pre-condi	tions: Application needs to be	compiled and running		
Input #	Input:	Expected Output:		
1	Scenario: The player wishes to escape	The player can move out of combat with an AI		
	from combat with an AI ship	ship		
2	Scenario: The AI wishes to escape from	The AI ship attempts to move out of combat		
	combat with the players ship	with the players ship		
3	Scenario: The AI wishes to escape from	The AI ship attempts to move out of combat		
	combat with another AI ship	with another AI ship		
Post-conditions:				
Environm	Environmental needs: Instance of the application running.			
	A user			
Stubs and	Stubs and Drivers:			
Other Info	Other Information:			

ID: 2.15	Test Name: Main Menu			
Reference	s: Requirements			
Documentation				
	Code			
	Other Tests			
Purpose:	Test that the main menu exists and has the	ne correct functionality		
Type:	Requirements	Nature of Test: Black Box		
	nt to be tested: GUI			
Pre-condit	ions: Application needs to be	compiled and running		
Input #	Input:	Expected Output:		
1	The main menu Exists	The menu exists		
2	The main menu loads upon game start	The menu loads when the game begins		
3	Scenario: The user presses the New	A new game is created		
	Game button and there is no current save			
4	Scenario: The user presses the New	The user receives a warning that they may		
	Game button and there is a current save	overwrite current save data		
5	Scenario: The user presses the Continue	The user receives a warning that there is no		
	Game button and there is no current save	current save game		
6	Scenario: The user presses the Continue	The user loads the game currently saved		
	Game button and there is a current save			
7	Scenario: The user presses the Credits	The user is shown to the credits screen		
	button			
8	Scenario: The user presses the Quit	The game closes		
	Game button			
Post-conditions:				
Environme	Environmental needs: Instance of the application running.			
	A user			
Stubs and	Stubs and Drivers:			
Other Information:				

ID: 2.16	Test Name: In game menu					
Reference	References: Requirements					
	Documentation					
	Code					
	Other Tests					
Purpose:	Purpose: Test that the in game menu exists and has the correct functionality					
Type:	1	Nature of Test: Black Box				
	nt to be tested: GUI					
Pre-condi	tions: Application needs to be	compiled and running				
Input #	Input:	Expected Output:				
1	The in game menu exists	The menu exists				
2	When the player presses the ESC button	The in game menu appears correctly				
	the in game menu appears					
3	Scenario: The user is at Earth, opens the	The user receives a warning that the game will				
	menu and presses the save game button	overwrite any current save data				
4	Scenario: The user is at Earth, opens the	The user receives a warning that any unsaved				
	menu and presses the load game button	data will be lost				
5	Scenario: The user is at Earth, opens the	The users current ship is changed				
	menu and wishes to change to a different					
	ship					
6	Scenario: The user is at the Asgard	The Trade Menu is visible in addition to the				
	Trade Planet and opens the menu	normal menu				
7	Scenario: The user opens the menu and	The user returns to the game				
0	selects the resume game button	The many sets are to the Mein Many				
8	Scenario: The user opens the menu and	The user returns to the Main Menu				
	selects the Quit Game button					
Post-conditions:						
Environm	Environmental needs: Instance of the application running.					
~ .	A user					
Stubs and Drivers:						
Other Information:						

ID: 2.17	7 Test Name: Save			
Reference	es: Requirements			
	Documentation			
	Code			
	Other Tests			
Purpose:	Save the player information so that the	game can be loaded in the future		
Type:	Requirements	Nature of Test: Black Box		
Compone	nt to be tested:			
Pre-condi	Pre-conditions: Application needs to be compiled and running			
Input #	Input:	Expected Output:		
1	Scenario: The player attempts to save	The game saves correctly		
	the game while at Earth			
2	Scenario: The player attempts to save	The player receives a message telling them that		
	the game while not at Earth	they must be at Earth to save		
Post-conditions:				
Environmental needs: Instance of the application running.				
	A user			
Stubs and	Stubs and Drivers:			
Other Info	ormation:			

ID: 2.18	B Test Name: Load		
Reference	es: Requirements		
	Documentation		
	Code		
	Other Tests		
Purpose:	Load the player information previously	saved	
Type:	Requirements	Nature of Test: Black Box	
Compone	nt to be tested:		
Pre-condi	tions: Application needs to be	compiled and running	
Input #	Input:	Expected Output:	
1	Scenario: The player wishes to load the game currently saved from within the main menu	The game loads the currently saved game	
2	Scenario: The player wishes to load the game currently saved from within the game	The player receives a message asking them if they are sure they wish to load a game as any unsaved data may be lost, if the player accepts then the game loads	
Post-cond	litions:		
Environm	ental needs: Instance of the application	running.	
	A user		
Stubs and	Drivers:		
Other Information:			

ID: 2.19	Test Name: Enter Hyperspa	ce		
References:	Requirements			
	Documentation			
	Code			
	Other Tests			
Purpose:	Ship enters hyperspace			
Type:	Requirements	Nature of Test: Black Box		
Component	Component to be tested: Ship Movement			
Pre-condition	ons: Application needs to be	compiled and running		
Input # I	nput:	Expected Output:		
1 S	Scenario: The player elects to enter	The players ship enters hyperspace		
h	hyperspace and selects a destination			
Post-conditions:				
Environmen	Environmental needs: Instance of the application running.			
	A user			
Stubs and D	Stubs and Drivers:			
Other Inform	Other Information:			

ID: 2.20	Test Name: Exit Hyperspac	e		
References:	Requirements			
	Documentation			
	Code			
	Other Tests			
Purpose: S	hip exits hyperspace			
Type: R	Requirements	Nature of Test: Black Box		
Component to	Component to be tested: Ship Movement			
Pre-condition	s: Application needs to be	e compiled and running		
Input # Inj	out:	Expected Output:		
1 Sec	enario: The player leaves hyperspace	The players ship exits hyperspace at the		
at t	the location they were heading	specified location		
Post-conditions:				
Environmental needs: Instance of the application running.				
	A user			
Stubs and Dri	vers:			
Other Informa	ation:			

ID: 2.21	Test Name: Travel through	Supergate		
Reference	1			
	Documentation			
	Code			
	Other Tests			
Purpose:	Ship travels through the Supergate			
Type:	Requirements	Nature of Test: Black Box		
Componer	Component to be tested: Ship Movement			
Pre-condit	Pre-conditions: Application needs to be compiled and running			
Input #	Input:	Expected Output:		
1	Scenario: The player wishes to move	The players ship moves through the supergate		
	through the supergate from the Milky	and exits in the Ori Galaxy		
	Way to the Ori galaxy			
2	Scenario: The player wishes to move	The players ship moves through the supergate		
	through the supergate from the Ori	and exits in the Milky Way		
	galaxy to the Milky Way			
Post-conditions:				
Environme	Environmental needs: Instance of the application running.			
	A user			
Stubs and	Drivers:			
	Other Information:			

ID: 2.22	Test Name: Ship Destroyed		
References:	: Requirements		
	Documentation		
	Code		
	Other Tests		
Purpose:	Test that when a ship reaches 0 hull poi	nts it is destroyed	
Type:	Requirements	Nature of Test: Black Box	
Component	to be tested: Combat		
Pre-condition	ons: Application needs to be	compiled and running	
Input #	Input:	Expected Output:	
1 5	Scenario: The players ship reaches 0	The player receives a game over message	
ŀ	null points		
2 5	Scenario: An enemy AI ship reaches 0	The enemy ship is removed and replaced by	
ł	null points	wreckage	
Post-conditions:			
Environmental needs: Instance of the application running.			
	A user		
Stubs and D	Stubs and Drivers:		
Other Infor	mation:		

ID: 2.23	Test Name: Gain Expe	erience		
Reference	s: Requirements			
	Documentation			
	Code			
	Other Tests			
Purpose:	When the player destroys an enen	ny ship they gain experience		
Type:	Requirements	Nature of Test: Black Box		
Componer	Component to be tested:			
Pre-condit	Pre-conditions: Application needs to be compiled and running			
Input #	Input:	Expected Output:		
1	Scenario: The player destroys an er	nemy The players receives experience based upon the		
	ship	ship destroyed		
Post-cond	Post-conditions:			
Environme	Environmental needs: Instance of the application running.			
A user				
Stubs and	Stubs and Drivers:			
Other Info	rmation:			

ID: 2.24	Test Name: Collect Loot			
Reference	es: Requirements			
	Documentation			
	Code			
	Other Tests			
Purpose:	The player wishes to collect items off of	of a destroyed ship		
Type:	Requirements	Nature of Test: Black Box		
Compone	Component to be tested: Trade			
Pre-condi	tions: Application needs to be	e compiled and running		
Input #	Input:	Expected Output:		
1	Scenario: The player wishes to collect	The player receives some scrap material and		
1	Scenario: The player wishes to collect items off of some wreckage	The player receives some scrap material and also has a chance to receive other items based		
1		1 1 1		
Post-cond	items off of some wreckage	also has a chance to receive other items based		
	items off of some wreckage	also has a chance to receive other items based upon the ship that was destroyed		
	items off of some wreckage litions:	also has a chance to receive other items based upon the ship that was destroyed		
	items off of some wreckage litions: lental needs: Instance of the application A user	also has a chance to receive other items based upon the ship that was destroyed		

ID: 2.25	Test Name: Trade Resources	3	
References	s: Requirements		
	Documentation		
	Code		
	Other Tests 2.24		
Purpose:	The player wishes to trade collected reso	ources with the Asgard	
Type:	Requirements	Nature of Test: Black Box	
Componen	nt to be tested: Trade	3	
Pre-condit	Pre-conditions: Application needs to be compiled and running		
Input #	Input:	Expected Output:	
1	Scenario: The player wishes to buy an	The player receives the item they purchased	
	item off of the Asgard and had the		
	required resources		
	Scenario: The player wishes to buy an	The players receives a message saying that they	
	item off of the Asgard but does not have	do not have the required resources	
	the required resources		
Post-conditions:			
Environme	Environmental needs: Instance of the application running.		
	A user		
Stubs and	Drivers:		
Other Info	Other Information:		

ID: 2.26	Test Name: Call Allies		
References	s: Requirements		
	Documentation		
	Code		
	Other Tests		
Purpose:	Test that the player can call allies when:	needed	
Type:	Requirements	Nature of Test: Black Box	
Componer	nt to be tested: Combat		
Pre-condit	ions: Application needs to be	compiled and running	
Input #	Input:	Expected Output:	
1	Scenario: The player wishes to call upon	A number of AI ships appear from hyperspace	
	allied assistance and has not called upon	to assist the player	
	assistance recently		
2	Scenario: The player wishes to call upon	The player receives a message saying that allied	
	allied assistance and has recently	forces are unavailable at this time	
	received assistance		
Post-conditions:			
Environme	Environmental needs: Instance of the application running.		
	A user		
Stubs and	Stubs and Drivers:		
Other Info	ormation:		

ID: 2.27	Test Name: Capture Planet		
Reference	s: Requirements		
	Documentation		
	Code		
	Other Tests		
Purpose:	Test that a planet can be captured		
Type:	Requirements	Nature of Test: Black Box	
Componer	nt to be tested: Galaxy Control		
Pre-condi	tions: Application needs to be	compiled and running	
Input #	Input:	Expected Output:	
1	Scenario: The player wishes to capture a	The players ship captures the planet	
	planet and there are no enemy ships in		
	the vicinity		
2	Scenario: The player wishes to capture a	The player receives a message that they need to	
	planet while enemy forces are still	clear the area before they can capture the planet	
	nearby		
Post-conditions:			
Environm	Environmental needs: Instance of the application running.		
	A user		
Stubs and	Drivers:		
Other Info	ormation:		

ID: 2.28	Test Name: Change Planet S	tatus	
References:	References: Requirements		
	Documentation		
	Code		
	Other Tests		
Purpose:	Change Information about the status of a	n planet	
Type:	Requirements	Nature of Test: Black Box	
Component t	to be tested: Galaxy Control		
Pre-condition	ns: Application needs to be	compiled and running	
Input # In	iput:	Expected Output:	
1 Sc	cenario: The player captures a planet	The planets status changes from neutral to	
w	hich was not controlled by hostile	player controlled	
fo	orces		
2 So	cenario: The player captures a planet	The planets status changes from enemy	
W	hich was controlled by hostile forces	controlled to player controlled	
Post-conditions:			
Environmental needs: Instance of the application running.			
	A user		
Stubs and Dr	Stubs and Drivers:		
Other Inform	Other Information:		

ID: 2.29	Test Name: Track Curren	t Power Levels		
References:	Requirements			
	Documentation			
	Code			
	Other Tests 2.3			
Purpose: S	how the current distribution of power	r		
Type: R	equirements	Nature of Test: Black Box		
Component to	be tested: Ship Movement			
Pre-condition	s: Application needs to	be compiled and running		
Input # In	out:	Expected Output:		
1 Th	e power management panel shows th	e The power management panel shows the		
cui	rent levels of power	current distribution of power		
Post-condition	Post-conditions:			
Environmenta	Environmental needs: Instance of the application running.			
	A user			
Stubs and Dri	vers:			
Other Information:				

ID: 2.30	0	Test Name:	Move Power bety	ween systems
Reference	es:	Requirements		
		Documentation		
		Code		
		Other Tests		
Purpose:	To	test that the player	can move power b	between the different systems
Type:	Re	equirements		Nature of Test: Black Box
Compone	nt to	be tested: Power	Systems	
Pre-condi	tions	: Applio	cation needs to be	compiled and running
Input #	Inp			Expected Output:
1		nario: The player wi		The power readout reflects the movement of
		ver into the ships we		power and the strength of the ships weapons
	_	ower left in the pow		increases
2		nario: The player wi		The player receives a message saying that no
		ver into the ships we		more power is available
		o power left in the p		
3		nario: The player wi		The power readout reflects the movement of
	_	ver into the ships eng		power and the speed of the ship decreases
		ver left in the power		
4		nario: The player wi		The player receives a message saying that no
	_	ver into the ships eng		more power is available
_		o power left in the p		
5		nario: The player wi		The power readout reflects the movement of
		ver into the ships shi		power and the strength of the ships shields
(-	ver left in the power		increases
6		nario: The player wi		The player receives a message saying that no
		ver into the ships shi		more power is available
7	_	power left in the pown nario: The player wi		The power readout reflects the movement of
/		ver from weapons in		power into the power reserves
	-	erves	to the power	power into the power reserves
8		nario: The player wi	shes to move	The power readout reflects the movement of
O		ver from shields into		power into the power reserves
	•	erves	the power	power into the power reserves
9		nario: The player wi	shes to move	The power readout reflects the movement of
		ver from the engines		power into the power reserves
	•	erves	r - r	F
Post-cond				•
Environm			of the application	running.
		A user	application	
Stubs and	Driv			
Other Info				
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ID: 2.31	1	Test Name: Ships have differ	rent statistics and models based upon race		
Reference	es:	Requirements			
		Documentation			
		Code			
		Other Tests			
Purpose:	Purpose: Test that the ships are different based upon the race				
Type:	Re	equirements	Nature of Test: Black Box		
		be tested:			
Pre-condi	tions	: Application needs to be	compiled and running		
Input #	Inp	ut:	Expected Output:		
1	The	player ship has a unique model	No models the same as the player model found		
2	The	wraith ships use two models, the	Wraith ships are recognisable without having to		
	wra	ith hive ship and the wraith cruiser	target them		
3		goa'uld have one ship model for	Goa'uld ships are recognisable without having		
		r main fleet. Anubis has a unique	to target them.		
		model			
4	The asgard have one ship model for their				
	flee	<u> </u>	to target them		
5	The	replicators have one ship model	Replicator ships are recognisable without		
			having to target them		
6		Ori have one ship model for their	Ori ships are recognisable without having to		
	enti	re fleet	target them		
Post-cond	lition	s:			
Environm	ental	needs: Instance of the application	running.		
		A user			
Stubs and	Driv	vers:			
Other Info	orma	tion:			

References: Requirements			
Code Other Tests Purpose: Tests that the weapons have different effects on enemy ships based upon type Type: Requirements Component to be tested: Combat			
Other Tests Purpose: Tests that the weapons have different effects on enemy ships based upon type Type: Requirements Nature of Test: Black Box Component to be tested: Combat			
Purpose: Tests that the weapons have different effects on enemy ships based upon type Type: Requirements Nature of Test: Black Box Component to be tested: Combat			
Type: Requirements Nature of Test: Black Box Component to be tested: Combat			
Component to be tested: Combat			
★			
Pre-conditions: Application needs to be compiled and running			
TT			
Input # Input: Expected Output:			
Scenario: The player fires the railgun at The railgun deals equal damage to both the	null		
an enemy ship and shields of a ship			
2 Scenario: The player fires an energy The energy weapons deals more damage to			
weapon at an enemy ship shields and less damage to the hull of a ship			
3 Scenario: The player fires rockets at an The rockets deal less damage to the shields a	and		
enemy ship more damage to the hulls of a ship			
Post-conditions:			
Environmental needs: Instance of the application running.			
A user			
Stubs and Drivers:			
Other Information:			

4.3 Unit Tests

		Summary
Core	2.1	Game Controllers / AI Controller
	2.2	Game Controllers / Data Loader
	2.3	Game Controllers / Data Manager
	2.4	Game Controllers / Game Controller
	2.5	Game Controllers / New Game
	2.6	Ship AI / Lootable Ship
	2.7	Ship AI / Projectile Data
	2.8	Ship AI / Ship AI
	2.9	Other / Hyperspace Window
	2.10	HUD / Ingame Menu
	2.11	HUD / Loading Screen
	2.12	HUD / Main Menu
	2.13	HUD / Object Panel
	2.14	HUD / Player Info
	2.15	HUD / Rep Ali Panel
	2.16	HUD / Screen Messages
	2.17	HUD / Ship Control Panel
	2.18	HUD / Target Select
	2.19	HUD / Top Overlay Script
	2.20	HUD / Weapons Panel
	2.21	HUD / Yes No Window

References	s: Requirements Documentation	
	Documentation	
ļ.		
	Code	
i	Other Tests	
Purpose:	Tests that the AI Controller script does	what it should
Type:	Unit Test	Nature of Test: White Box
	t to be tested: AI Controller	
Pre-conditi	ions: Application needs to be	compiled and running
Input #	Input:	Expected Output:
	configureController()	Controllers variables are correctly populated.
2	Update()	Planet capture status is updated and wrecked
		ships cleared.
3	updateCaptureStatus()	Capturing begun when valid and completion of
		capturing when correct.
	selectRandomTarget()	Each variation correctly returns random targets.
	getEnemyCountofRace()	Number of enemies correct.
6	getEnemyTargetofFriends()	A collection of the enemies that are being
7	+411T++	targeted by friends.
	getAllTargettingShip()	All ships targeting the specified ship.
	getEnemyTargetingFriends()	All ships that are targeting friendly ships.
9	selectObjectFromList()	A random object is selected from the list each
10	getAllies()	time.
		All allies of each specified race.
11 12	<pre>getEnemies() getNewTarget()</pre>	All enemies of each specified race.
13	spawnShip()	A new target.
13	spawnship()	Each variation correctly spawns a ship with or without the hyperspace window and correct
i		stats as required.
14	addShip()	Number of enemies and allies increases
17	add3111p()	correctly.
15	<pre>getVector3InRangeOfPoint()</pre>	A random position within the correct ranges.
	removePlayerShip()	Player ship is not found by isPlayerShipHere()
	, , , , , , , , , , , , , , , , , , , ,	anymore after this call.
17	removeShip()	Ship's race ship data has been correctly
	* **	removed.
18	isPlayerShipHere()	Correctly returns when the player's ship is
<u>. </u>		actually there.
19	getRaceForceSizes()	Correct translated equivalents for each of the
		races.
	<pre>setupShipCollection()</pre>	Correctly placed the right numbers of ships.
	<pre>getRandomShipForRace()</pre>	Correctly gets a ship ID for that type of race.
	getBossShipForRace()	Correctly gets a ship ID for that type of race.
23	findShipsWithInRangeOf()	Finds all ships in range of point.
	getTargetableObjects()	Gets all objects that can be targeted in this area.
	orderedInsertbyLocation()	Inserts correctly in order of distance from point.
26	updateVisionStatus()	Player's vision status correctly updated.
Post-condi	tions:	
Environme	ental needs:	
Stubs and		
Other Info	rmation:	

ID: 3.2	Test Name: Game Controlle	ers / Data Loader
References:	Requirements	
	Documentation	
	Code	
	Other Tests	
Purpose:	Tests that the Data Loader script does y	vhat it should
Type: U	Unit Test	Nature of Test: White Box
Component t	o be tested: Data Loader	
Pre-condition	ns: Application needs to be	e compiled and running
Input # In	put:	Expected Output:
1 St	art()	Variables all have their default states and new
		data is created on object creation correctly
2 los	adPlayerData()	Successfully loads all the data that would be expected.
3 los	adShipData()	Successfully loads all the ship database information.
4 sa	veData()	Correctly saves data to file for each of the two variations.
5 ge	enerateBasicData()	Data is generated and correctly saved.
6 ge	enerateShipDatabase()	Data is generated and correctly saved.
Post-conditio	ons:	
Environment	al needs:	
Stubs and Dr	ivers:	
Other Information:		

ID: 3.3	Test Name: Game	e Controllers / Data Manager
Reference	es: Requirements	
	Documentation	
	Code	
	Other Tests	
Purpose:	Tests that the Data Manager	script does what it should
Type:	Unit Test	Nature of Test: White Box
Compone	nt to be tested: Data Manage	er
Pre-condi	tions: Application	needs to be compiled and running
Input #	Input:	Expected Output:
1	isAlly()	Correctly identifies the difference between
		allies and enemies.
2	getForceSizeFromCount()	Correctly returns a force size based on the
		count.
3	getShipCountFromForceSize(Correctly returns a number in a valid range
		based on the force size.
Post-cond	litions:	
Environm	ental needs:	
Stubs and	Drivers:	
Other Info	ormation:	

ID: 3.4	Test Name:	Game Controlle	rs / Game Controller
Referenc	es: Requirements		
	Documentation		
	Code		
	Other Tests		
Purpose:	Tests that the Game	Controller script do	es what it should
Type:	Unit Test		Nature of Test: White Box
		ne Controller	
Pre-cond	itions: App	plication needs to be	compiled and running
Input #	Input:		Expected Output:
1	Start()		Variables all have their default states and new
			data is created on object creation correctly
2	Awake()		Object correctly stays between scenes.
3	setHyperspaceTarget	()	Player begins moving toward a hyperspace
			window and entering hyperspace occurs.
4	hyperspaceJumpTo()		Current system ID numbers change and
			switching to the loading screen occurs
_			correctly.
5	completeHyperspace.	Jump()	Skybox is correctly placed, bosses, planets, and
	C **		ships are all created.
6	performHyperspaceJu	ump()	When player a loading screen appears, and
7	· ATTI		when AI, the AI should appear at other planet.
7	setAIHyperspaceTarg	get()	Target is set for the AI and hyperspace entry
0	ana uni bunanana addi n	dout	occurs.
8	spawnHyperspaceWin		A hyperspace window appears.
9	getVector3InRangeof	Point()	Correctly generates a random position within
10	On I avalWas I and add	7	the specified range.
10	OnLevelWasLoaded()	Correctly switch back to main game scene when loading screen has completed.
11	exitToMainMenu()		Main menu opens.
12	Update()		Changes out of loading screen correctly. Battle
12	Opdate()		simulations update correctly, player is correctly
			updated for which AIController they should be
			governed by.
13	updateSimulateBattle	es()	Battles are simulated and system states change.
14	getPossibleBattles()	~~ \	Correctly finds possible battles to choose from.
15	storePlayerShipState()	Player ship state variables are all correctly
	and the same of th	~	saved.
16	increasePlayerExp()		Ship experience increases and level up occurs
			when it should.
17	purchaseWeapon()		Weapon is correctly purchased and equipped.
18	buyShip()		Ship is correctly purchased.
19	canBuyShip()		Returns status correctly based on whether the
			player can currently buy that ship.
20	canBuyWeapon()		Returns status correctly based on whether the
			player can currently buy that weapon.
21	getPurchasableWeap	ons()	Shows the correct number of weapons
			dependent on the ship and level.
22	haveResourcesFor()		Correctly confirms that there are enough
			resources for a supplied quantity.
23	payResources()		Amount is correctly subtracted.
24	addResources()		Amount is correctly added.
25	setCurrentShip()		Ship changes to different ship.

26	attemptCallAllies()	Allies sometimes come and sometimes don't.		
27	claimPlanet()	Planet controller changes.		
28	updateStatusPlayerVision()	Update of last seen controller status changes.		
29	getTargetableObjects()	All targetable objects including planets are correctly returned.		
30	getPlanetList()	The planets in the current system are all returned.		
31	getPrefabShip()	Correctly gets the prefabs for each id.		
32	getPrefabPlanet()	Correctly gets the prefabs for each id.		
33	getPrefabWeapon()	Correctly gets the prefabs for each id.		
34	getShipData()	Correctly gets the ship data for each id.		
35	getWeaponData()	Correctly gets the weapon data for each id.		
36	getPrefabWreck()	Correctly gets the wreck prefab.		
37	setSkyboxMat()	Correctly changes the skybox.		
38	saveGame()	Game is saved.		
39	loadGame()	Current state is lost and previous saved data is loaded.		
Post-co	onditions:			
Enviro	nmental needs:			
Stubs a	and Drivers:			
Other I	Other Information:			

ID: 3.5	Test Name: Game Controllers /	NewGame		
Reference	es: Requirements			
	Documentation			
	Code			
	Other Tests			
Purpose:	Tests that the New Game script does what i	t should		
Type:	Unit Test Na	ture of Test: White Box		
Componer	Component to be tested: New Game			
Pre-condit	itions: Application needs to be cor	npiled and running		
Input #	Input: E	xpected Output:		
1	Awake()	bject not destroyed on load.		
Post-cond	ditions:			
Environm	Environmental needs:			
Stubs and	d Drivers:			
Other Info	Formation:			

ID: 3.6	Test Name: Ship AI / Lootah	ole Ship			
References	: Requirements				
	Documentation				
	Code				
	Other Tests				
Purpose:	Tests that the Lootable Ship script does	what it should			
Type:	Unit Test	Nature of Test: White Box			
Componen	Component to be tested: Lootable Ship				
Pre-conditi	Pre-conditions: Application needs to be compiled and running				
Input #	Input:	Expected Output:			
1	setResources()	Loot variable changed.			
2	getResources()	Equal to content of loot variable.			
3	isLooted()	Has already been looted.			
4	claimLoot()	Player's resources updated			
Post-conditions:					
Post-condi					
	ental needs:				
	ental needs:				

ID: 3.7	Test Name:	Ship AI / Projectile Data
Reference	es: Requirements	
	Documentation	
	Code	
	Other Tests	
Purpose:	Tests that the Projectile	Data script does what it should
Type:	Unit Test	Nature of Test: White Box
Compone	nt to be tested: Project	ile Data
Pre-condi	tions: Applica	ation needs to be compiled and running
Input #	Input:	Expected Output:
1	Start()	Projectile ignores all other projectiles.
2	Update()	Projectile disappears after period of time.
3	OnTriggerStay()	Collided object takes damage if required and otherwise is destroyed.
4	configureProjectile()	Projectile has the correct weapon data and
	e j v	moves toward the correct target.
5	setupVelocity()	Movement toward the correct target.
Post-cond	litions:	
Environm	ental needs:	
Stubs and	Drivers:	
Other Info	ormation:	

ID: 3.8	Test Name:	Ship AI / Ship A	I
References: Requirements			
Documentation			
	Code		
Other Tests			
Purpose:	Tests that the Ship	AI script does what i	
Type:	Unit Test		Nature of Test: White Box
		ip AI	
Pre-cond	litions: Ap	plication needs to be	compiled and running
Input #	Input:		Expected Output:
1	Start()		Variables all have their default states
2	Update()		Ships status appears to change between updates
3	healShip()		Ship heals hull and then shield after damage
4	updateAttackTarget)	inCombat should change and auto target
			engaging should be configured on timed events.
			Also random targeting when infected.
5	aiTargetUpdate()		AI target changes.
6	updateMovement()		Ship object moves using correct movement
			toward points stopping and responding
7	dataATMaama.at/	`	correctly. AI chooses valid combinations of movements
7	updateAIMovement()	
8	initiateMove()		that make them move around.
8	initiatelylove()		Both variations correctly begin movement when triggered
9	enterSupergate()		Ship travels toward supergate.
10	calculateSpeedMul	tinlier()	Speed changes based on the speedpower and
10	carcaracespecanar	cipiici ()	level.
11	updateWeapons()		Ship begins firing and continues firing when
	apaute (cupons()		within 250 unit range.
12	fireWeapon()		Different weapon projectiles appear and head
			toward the correct target.
13	damageShip()		Ship takes damage based on the weapon type
			and shield configuration.
14	<pre>infectShip()</pre>		Ship becomes infected visible by the infected
			variable.
15	beginPlayerCancel	Infection()	Cooldown begins on infection cancel
			cooldown.
16	damageShield()		Shield takes damage. Message displayed when
			shield fails.
17	damageHull()		Hull takes damage. Message displayed when
10			hull fails and return to earth initiated.
18	setMoveMode()	\	Mode changes.
19	getShieldPercent()	Shield as a percent is returned.
20	<pre>getHullPercent() getShieldPowerPer</pre>	cont()	Hull as a percent returned.
21	getWeaponPowerPer		Shield power as a percent of the total returned.
22	germeahousomer. Ser	cerrc()	Weapon power as a percent of the total is returned.
23	getEnginePowerPer	cent()	Engine power as a percent of the total is
23	Recrustile ower set.	cerre ()	returned.
24	getPowerUsePercen	t()	Total power used as a percentage is returned.
25	powerIncreaseAllo		Correctly returns false when requested power
43	power thei cuscallo		allocation is too large.
26	configureShip()		Ship has properties assigned as expected.
20			Simp mas properties assigned as expected.

27	equipWeapon()	Weapons are available on the ship.	
28	enableWeapon()	One more weapon is enabled.	
29	disableWeapon()	One weapon is disabled.	
30	canRetreat()	Returns true when conditions should exist for retreat.	
31	<pre>getCountsofWeaponEnabled()</pre>	Correct number of weapons returned based on level of ship.	
Post-c	Post-conditions:		
Enviro	Environmental needs:		
Stubs	Stubs and Drivers:		
Other	Other Information:		

ID: 3.9	Test Name: Other / Hypersp	pace Window	
Reference	References: Requirements		
	Documentation		
	Code		
	Other Tests		
Purpose:	Tests that the Hyperspace Window scri	pt does what it should	
Type:	Unit Test	Nature of Test: White Box	
Compone	nt to be tested: Hyperspace Window		
Pre-condi	tions: Application needs to be	compiled and running	
Input #	Input:	Expected Output:	
1	Start()	ProcessDestroy correctly called.	
2	ProcessDestroy	Destroyed after period of tim.	
Post-conditions:			
Environmental needs:			
Stubs and	Stubs and Drivers:		
Other Info	Other Information:		

ID: 3.10	Test Name: HUD / Ingame I	Menu	
References	: Requirements		
	Documentation		
	Code		
	Other Tests		
Purpose:	Tests that the Ingame Menu script does	what it should	
Type:	Unit Test	Nature of Test: White Box	
Component	t to be tested: Ingame Menu		
Pre-conditi	ons: Application needs to be	compiled and running	
Input #	Input:	Expected Output:	
1	Start()	Variables correctly initialised.	
2	Update()	Shows menu after pressing escape.	
3	OnGUI()	Window visible	
4	Menu_window()	Button actions work correctly.	
5	Toggle()	Disappears and reappears when required.	
Post-conditions:			
Environme	Environmental needs:		
Stubs and Drivers:			
Other Infor	Other Information:		

ID: 3.11	Test Name: HUD / Loading	Screen	
Reference	References: Requirements		
	Documentation		
	Code		
	Other Tests		
Purpose:	Tests that the Loading Screen script do	pes what it should	
Type:	Unit Test	Nature of Test: White Box	
Compone	nt to be tested: Loading Screen		
Pre-condi	tions: Application needs to b	e compiled and running	
Input #	Input:	Expected Output:	
1	Start()	Variables correctly initialised.	
2	Update()	Image changes.	
3	OnGUI()	Image displayed.	
Post-conditions:			
Environmental needs:			
Stubs and Drivers:			
Other Information:			

ID: 3.12	2 Test Name:	HUD / Main Menu	
Reference	References: Requirements		
	Documentation		
	Code		
	Other Tests		
Purpose:	Tests that the Main M	enu script does what it should	
Type:	Unit Test	Nature of Test: White Box	
Compone	nt to be tested: Main	Menu	
Pre-condi	tions: Appli	cation needs to be compiled and running	
Input #	Input:	Expected Output:	
1	Start()	Variables correctly initialised.	
2	Update()	Does nothing.	
3	OnGUI()	Window visible	
4	Menu_window()	Button actions work correctly.	
Post-conditions:			
Environmental needs:			
Stubs and Drivers:			
Stubs and			

ID: 3.13	Test Name: HUD / Object Pa	nel	
References	: Requirements		
	Documentation		
	Code		
	Other Tests		
Purpose:	Tests that the Object Panel script does w		
Type:	Unit Test	Nature of Test: White Box	
	t to be tested: Object Panel		
Pre-conditi	ons: Application needs to be	compiled and running	
Input #	Input:	Expected Output:	
1	Start()	Variables correctly initialised.	
2	Update()	S toggles visibility and the objects are updated.	
	OnGUI()	Window visible	
4	objToString()	Correctly gives the string that should be	
		displayed.	
5	slideToggle()	Correctly toggles the sliding.	
6	mapAction()	Correctly starts the sliding	
7	Slide()	Moves the panel.	
Post-conditions:			
Environmental needs:			
Stubs and I	Stubs and Drivers:		
Other Infor	Other Information:		

ID: 3.14	Test Name:	HUD / Player Info			
Reference	s: Requirements	•			
	Documentation				
	Code				
	Other Tests				
Purpose:	Tests that the Player I	nfo script does what it should			
Type:	Unit Test	Nature of Test: White Box			
	nt to be tested: Player	r Info			
Pre-condi	tions: Appli	cation needs to be compiled and running			
Input #	Input:	Expected Output:			
1	Start()	Variables correctly initialised.			
2	Update()	Shows/Hides after pressing I.			
3	OnGUI()	Window visible			
4	objToString()	Correctly gives the string that should be			
		displayed.			
5	slideToggle()	Correctly toggles the sliding.			
6	mapAction()	Correctly starts the sliding			
7	Slide()	Moves the panel.			
8	shipDetails()	Ship details visible.			
9	Xp_bar()	XP bar visible.			
10	gameData()	Updates the current status of information.			
Post-cond	Post-conditions:				
Environmental needs:					
Stubs and	Stubs and Drivers:				
Other Info	Other Information:				

ID: 3.15	Test Name:	HUD / Rep Ali Panel	
References: Requirements			
	Documentation		
	Code		
	Other Tests		
Purpose:	Tests that the Rep Ali	Panel script does what it should	
Type:	Unit Test	Nature of Test: White Box	
	t to be tested: Rep A	Ali Panel	
Pre-conditi	ions: Appli	ication needs to be compiled and running	
Input #	Input:	Expected Output:	
1	Start()	Variables correctly initialised.	
2	Update()	Shows and hides using H	
3	OnGUI()	Window visible	
4	slideToggle()	Correctly toggles the sliding.	
5	mapAction()	Correctly starts the sliding	
6	Slide()	Moves the panel.	
Post-conditions:			
Environme	Environmental needs:		
Stubs and	Stubs and Drivers:		
Other Info	Other Information:		

ID: 3.16	6 Test Name: HUD / Screen I	Messages	
References: Requirements			
	Documentation		
	Code		
	Other Tests		
Purpose:	Tests that the Screen Messages script of	loes what it should	
Type:	Unit Test	Nature of Test: White Box	
Compone	nt to be tested: Screen Messages		
Pre-condi	tions: Application needs to b	e compiled and running	
Input #	Input:	Expected Output:	
1	Start()	Variables correctly initialised.	
2	Update()	Updates correctly.	
3	OnGUI()	Window visible	
4	Texter()	Added text with colour to array.	
5	arrayMove()	Updated the array.	
6	setColor()	Set the colour.	
7	printText()	Text appears.	
8	textScroll()	Text moves.	
Post-conditions:			
Environmental needs:			
Stubs and	Stubs and Drivers:		
Other Info	Other Information:		

ID: 3.17	Test Name: HUD / Ship Co	ontrol Panel							
References: I	Requirements								
I	Documentation								
(Code								
(Other Tests								
Purpose: Test	ts that the Ship Control Panel scrip	ot does what it should							
Type: Uni	it Test	Nature of Test: White Box							
Component to be	e tested: Ship Control Panel								
Pre-conditions:	Application needs to b	be compiled and running							
Input # Input	t:	Expected Output:							
1 Start(()	Variables correctly initialised.							
2 Upda	ite()	Values correctly updated.							
3 OnGI	UI()	Window visible							
4 slider	rCheck()	Sliders updated not beyond maximums.							
5 labell	Update()	Updated labels.							
6 shield	dStatus()	Visible shield status.							
7 Hull(Visible hull status.							
8 Targe	et()	Visible target information.							
9 Resor	urce()	Visible resource information.							
10 game	eData()	Updated current status information.							
11 objPo	osAssign()	Aligned values all correct.							
12 getSh	nields()	Gets the shield value.							
13 getW	eapons()	Gets the weapon value.							
14 getEn	Gets the engine value.								
Post-conditions:									
Environmental n	needs:								
Stubs and Drivers:									
Other Information:									

ID: 3.18	Test Name: HUD / Target So	elect
Reference	es: Requirements	
	Documentation	
	Code	
	Other Tests	
Purpose:	Tests that the Target Select script does	what it should
Type:	Unit Test	Nature of Test: White Box
	nt to be tested: Target Select	
Pre-condi	tions: Application needs to be	compiled and running
Input #	Input:	Expected Output:
1	Start()	Variables correctly initialised.
2	Update()	Values correctly updated.
3	OnGUI()	Window visible
4	Buttons()	Buttons all correctly handled.
5	getData()	Required information all retrieved.
6	callGUI()	Placed the GUI at location.
7	Toggle()	Visibility changed.
Post-cond	litions:	
Environm	ental needs:	
Stubs and	Drivers:	
Other Info	ormation:	

ID: 3.19	Test Name: HI	UD / Top Overlay Script
References	: Requirements	
	Documentation	
	Code	
	Other Tests	
Purpose:	Tests that the Top Overla	y Script script does what it should
Type:	Unit Test	Nature of Test: White Box
Component	to be tested: Top Over	rlay Script
Pre-condition	ons: Applicati	on needs to be compiled and running
Input #	Input:	Expected Output:
	Start()	Variables correctly initialised.
2	Update()	Values correctly updated.
3	OnGUI()	Window visible
4 1	mapMain()	Map displayed.
5 1	mapMenu()	Map information shown.
6 t	radeMain()	Information displayed.
7 t	radeMenu()	Interaction possible.
8	earthMain()	Information displayed.
9	earthMenu()	Interaction possible.
10	Slide()	Sliding handled.
11 5	Slideisslide()	Begun sliding.
12 v	weaponList()	Weapon list displayed.
13 J	olanetMapLoc()	Points calculated.
	objPosAssign()	Objects aligned.
15	Γrade()	Trade opened.
Post-condit	ions:	
Environmen	ntal needs:	
Stubs and I	Orivers:	
Other Infor	mation:	

ID: 3.20 Test Name: HUD / We	eapons Panel					
References: Requirements						
Documentation						
Code						
Other Tests						
Purpose: Tests that the Weapons Panel scri	pt does what it should					
Type: Unit Test	Nature of Test: White Box					
Component to be tested: Weapons Panel						
Pre-conditions: Application need	s to be compiled and running					
Input # Input:	Expected Output:					
1 Start()	Variables correctly initialised.					
2 Update()	Values correctly updated.					
3 OnGUI()	Window visible					
4 weaponsMAIN()	All elements displayed.					
5 weaponsSUB()	An individual element displayed.					
6 getData()	Information correctly updated.					
7 buttonSet()	Button skins all matched correctly.					
8 mapAction()	Displayed GUI					
9 slideToggle()	Hide/Show GUI					
10 Slide()	GUI moves					
11 objPosAssign()	Object positions aligned correctly.					
Post-conditions:						
Environmental needs:						
Stubs and Drivers:						
Other Information:						

References: Requirements					
Documentation					
Code					
Other Tests					
Purpose: Tests that the Yes No Window script does what it should					
Type: Unit Test Nature of Test: White Box					
Component to be tested: Yes No Window					
Pre-conditions: Application needs to be compiled and running					
Input # Input: Expected Output:					
1 Start() Variables correctly initialised.					
2 Update() Values correctly updated.					
3 OnGUI() Window visible					
4 Menu_window() Menu displayed.					
5 Option() Correctly indicates the returned option.					
6 Toggle() Shows/Hides the interface.					
7 sendMsg() Changes the message on the dialog.					
Post-conditions:					
Environmental needs:					
Stubs and Drivers:					
Other Information:					

4.4 Integration Tests

Not included in document due to time constraints.

4.5 Other White Box Tests

Not included in document due to time constraints.

5 Test Execution and Outcome

5.1 Overall report on testing

Systems Tests

The system tests were completed first because if the system test cases did not complete successfully then the application would not run.

Requirements Tests

Requirements testing followed the test plan which was designed for many of the test cases. Due to time constraints, the open ended nature of the game and the complexity of the tests it was not possible to test everything, however the tests created covered an area broad enough to ensure that the game was playable. During the testing no major issues were found, however due to the limited size of the testing team and the limited size of the testing equipment it is possible that certain actions or hardware configurations may cause issues with the game.

Unit Tests

The unit tests were performed on most of the public interfaces of the application. The list of tests had been created from a summary list of the complex set of public interfaces by identifying those that would be testable without the need for too much complex analysis. The tests that have been completed may also be largely considered integration tests. They were included as part of the integration tests as the unit tests were conducted on the methods rather than testing the integration directly. The majority of tests passed as expected

Integration Tests

Tests within the integration section were not written up and tested as there was not time to accommodate the testing. Much of the integration testing was carried out as part of the Unit Testing. Testing would have been completed to ensure that the project operated correctly under various conditions. The integration tests could be completed if further testing was required.

Other White Box Tests

Tests within the Other White Box tests category was not carried out due to time constraints. The tests would have consisted of code walkthroughs ensuring that there were no regions of unreachable code, no unused variables or any ensure that the code was as optimal as possible. These tests would have also been used to ensure that future developers would have easily been able to work with the code when used in conjunction with completed documentation.

5.2 Test Execution

5.2.1 System Tests

ID:	1.1		Test		ompile source code
			Nam	e:	
General Report on Execution		ecution:	The source code successfully compiled with no errors.		
Inpu	t #	Pass	sed?	Problems	Discovered
1		Yes			
Impa	Impact on Subsequent Tests				
Reco	Recommendation				

ID: 1.2	Test Name:		
General Report on Execution			xecution: The application successfully executed in both cases.
Input #	Pas	sed?	Problems Discovered
1	Yes	,	
2	Yes		
Impact o	n Sub	sequei	nt Tests
Recomm	Recommendation		

5.2.2 Requirements Tests

ID: 2.1	Test Name:		e:	Ships exist within the game world
General Report on Execution			xecution	: The ships were created correctly
Input #	Pass	Passed? Proble		ms Discovered
1	Yes			
2	Yes			
Impact on Subsequent Tests		nt Tests		
Recomme	Recommendation			

ID: 2.2	2 Test Name:		e:	Planets and other objects (supergate) exist within the game world
General I	Repor	t on E	xecution	: Planets and objects created correctly
Input #	Pass	Passed? Proble		ms Discovered
1	Yes			
2	Yes			
Impact or	ı Sub	sequer	nt Tests	
Recommendation				

ID: 2.3		Test Nam	GUI exists
General F	Repor	t on E	xecution: All elements of the GUI displayed correctly
Input #	Pas	sed?	Problems Discovered
1	Yes	3	
2	Yes	3	
3	Yes	3	
4	Yes	3	
5	Yes	3	
6	Yes	3	
Impact or	sub	sequer	nt Tests
Recomme	endat	ion	

ID: 2	2.4	Test		Move to a specific point in space
		Name:		
General Report on Execution		xecution	: The ship successfully moved to the specified point	
Input 7	# Pas	sed?	Proble	ms Discovered
1	Yes	Yes		
Impact	Impact on Subsequent Tests			
Recom	Recommendation		•	

ID: 2.5	Test Nam	3
General F	Report on E	xecution: The ships successfully moved to the specified object
Input #	Passed?	Problems Discovered
1	Yes	
2	Yes	
3	Yes	
Impact or	n Subseque	nt Tests
Recomme	endation	

ID:	2.6	Test			Move to object and orbit		
		Name		e:			
Gene	eral R	epor	t on E	xecution	: The ship successfully moved to the object and orbited it		
Inpu	Input # Passed		sed?	Proble	ms Discovered		
1		Yes	Yes				
2		Yes					
3	3 Yes		;				
Impa	Impact on Subsequent Tests						
Reco	mme	ndat	ion				

ID: 2.7		Test Name	8 9 (1/1 / /
General F	Report	on Ex	xecution: The ship was successfully targeted and the information displayed within the interface
Input #	# Passed?		Problems Discovered
1	Yes		
2	Yes		
3	3 Yes		
4	Yes		
Impact or	ı Subse	equen	nt Tests
Recomme	endatio	n	

ID: 2.8		`est Jame:	Move to target
General R	Report of	n Execution	: The ships successfully moved to the target
Input # Pass		d? Proble	ms Discovered
1	Yes		
2	Yes		
3	Yes		
Impact or	Subsec	quent Tests	
Recomme	endation	1	

ID: 2.9	Tes Na	st AI ship movement me:
General F	Report on	Execution: The source code successfully compiled with no errors.
Input #	Passed?	Problems Discovered
1	Yes	
2	Yes	
3	Yes	
4	Yes	
5	Yes	
6	Yes	
7	Yes	
8	Yes	
Impact or	Subsequ	nent Tests
Recomme	endation	

ID: 2.10		t Fire on target ne:						
General F	General Report on Execution: The ships successfully fired on the target with the correct weapon							
Input #	Passed?	Problems Discovered						
1	Yes							
2	Yes							
3	Yes							
4	Yes							
5	Yes							
6	Yes							
7	Yes							
8	Yes							
9	Yes							
10 Yes								
Impact or	Subsequ	ent Tests						
Recomme	endation							

ID: 2.1	Test Name:		1 0 0
General F	Repor	t on E	xecution: The AI ships target ships correctly
Input #	Pas	sed?	Problems Discovered
1	Yes		
2	Yes	;	
3	Yes	}	
Impact or	ı Sub	sequei	nt Tests
Recomme	endat	ion	

ID: 2.1	Test Name:		■
General	Repor	t on E	xecution: The player could successfully swap between weapons
Input #	Pas	sed?	Problems Discovered
1	Yes	3	
2	Yes	3	
3	Yes	3	
Impact o	n Sub	sequei	nt Tests
Recomm	endat	ion	

ID: 2.13	Test Name:		Engage in combat
General F	Repor	t on E	xecution: The player and the AI were successfully able to engage in combat
Input #	Pass	sed?	Problems Discovered
1	Yes		
2	Yes		
3	Yes		
Impact or	ı Sub	sequer	t Tests
Recomme	endati	ion	

ID: 2.1	4 Test Name:		Escape from combat e:			
General I	Report	t on E	xecution: The player and the AI could successfully escape from combat			
Input #	Pass	sed?	Problems Discovered			
1	Yes					
2	Yes					
3	Yes					
Impact or	Impact on Subsequent Tests					
Recomm	endati	on				

ID: 2.1	5 Test Name:			Main Menu
General F	Repor	t on E	xecution	: The main menu was created correctly and had the correct functionality
Input #	Pas	sed?	Proble	ms Discovered
1	Yes	S		
2	Yes			
3	Yes			
4	Yes			
5	Yes	Yes		
6	Yes	Yes		
7	Yes			
8 Yes				
Impact on Subsequent Tests			nt Tests	
Recomme	endat	ion		

ID: 2.10		Test Namo	0
General F	Report (on Ex	ecution: The in game menu was created and had the correct functionality
Input #	Passe	ed?	Problems Discovered
1	Yes		
2	Yes		
3	Yes		
4	Yes		
5	Yes		
6	Yes		
7	Yes		
8	Yes		
Impact or	Subse	equen	t Tests
Recomme	endatio	n	

ID:	2.17	Test Nam	e:	Save
Gene	eral Re	port on E	xecution	: The player was able to save successfully
Inpu	ıt #	Passed?	Proble	ems Discovered
1	,	Yes		
2	,	Yes		

Impact on Subsequent Tests	
Recommendation	

ID: 2.	18	Test Nam	Load e:
General Report on Execution			xecution: The player was able to load successfully
Input #	Pas	sed?	Problems Discovered
1	Yes		
2	Yes		
Impact on Subsequent Tests		sequer	nt Tests
Recomn	nendat	ion	

ID:	2.19)	Test		Enter Hyperspace
			Name:		
Gene	General Report on Execution		xecution	: The player could successfully enter hyperspace	
Inpu	ıt#	Pas	sed?	Proble	ms Discovered
1		Yes			
Impact on Subsequent Tests			sequer	nt Tests	
Reco	mme	ndati	ion		

ID:	2.20	Test	0.	Exit Hyperspace
Gene	Name: eral Report on Execution:			: The player could successfully exit hyperspace
	Input # Passed? Proble			1 7 7 1
1		es	TTODIC	ms Discovered
Impa	ct on Si	ubsequer	nt Tests	
Reco	mmend	ation		

ID:	2.21		Γest Name:	Travel through supergate
General Report on Execution			on Execution	: The player could successfully pass through the supergate both ways
Inpu	ıt#	Passe	d? Proble	ems Discovered
1		Yes		
2	Yes			
Impa	ct on	Subsec	quent Tests	
Reco	mmei	ndatior	n	

ID: 2.2	Test Name:			Ship destroyed
General	Repor	t on E	xecution:	Ships were successfully destroyed once they reached 0 hull points
Input #	Pas	sed?	Problem	ns Discovered
1	Yes	;		
2	Yes			
Impact on Subsequent Tests		nt Tests		
Recomm	endat	ion		

ID:	2.23	3	Test		Gain experience
			Name:		
Gene	General Report on Execution				: The player was successfully able to gain experience
Inpu	ıt#	Passed?		Proble	ms Discovered
1		Yes			
Impa	Impact on Subsequent Tests			nt Tests	
Reco	Recommendation				

ID: 2.2		Test Name:	Collect loot			
General 1	Report	on Execution	on: The player was successfully able to collect materials off of the destroyed ship			
Input #	Pass	ed? Prob	lems Discovered			
1	Yes					
T	Impact on Subsequent Tests					
impact o	II Subs	equent rest				

ID:	2.25				Trade resources
			Nam	e:	
General Report on Execution				xecution	: The player was successfully able to trade with the Asgard
Inpu	ıt#	Passed?		Proble	ms Discovered
1		Yes			
2	Yes				
Impact on Subsequent Tests		nt Tests			
Reco	mme	ndat	ion		

ID: 2.2		Test	
Name: General Report on Execution			
<u> </u>			Problems Discovered
1	Yes		
2	2 Yes		
Impact on Subsequent Tests			nt Tests
Recomme	endati	on	

ID:	2.27	7	Test Nam	
General Report on Execution			t on E	xecution: The player was able to capture a planet
Inpu	it # Passed?		sed?	Problems Discovered
1		Yes		
2		Yes		
Impa	Impact on Subsequent Tests		sequer	nt Tests
Reco	Recommendation			

ID:	2.28	3	Test Nam	O 1
General Report on Execution				xecution: The planet status was successfully changed
Inpu	ıt#	Passed?		Problems Discovered
1		Yes		
2	Yes			
Impa	act on Subsequent Tests		sequer	nt Tests
Reco	mme	ndat	ion	

ID:	2.29	Test Name:		Track current power levels	
Gener	al Repor	: The player was able to track the current power levels			
Input	# Pas	ssed?	Proble	ms Discovered	
1	Yes	S			
Impac	Impact on Subsequent Tests				
Recon	nmendat	ion			

ID: 2.30		Move power between systems me:				
General F	General Report on Execution: The player was able to move power between systems					
Input #	Passed'	Problems Discovered				
1	Yes					
2	Yes					
3	Yes					
4	Yes					
5	Yes					
6	Yes					
7	Yes					
8	Yes					
9	Yes					
Impact or	Impact on Subsequent Tests					
Recomme	endation					

ID: 2.3	1 Test Name:		Ships have different statistics and models based upon race		
General F	Repor	t on E	xecution: The ships had varied models and statistics		
Input #	Pas	sed?	Problems Discovered		
1	Yes	3			
2	Yes	3			
3	Yes	3			
4	Yes	3			
5	Yes	3			
6	Yes	3			
Impact or	Impact on Subsequent Tests				
Recomme	endat	ion			

ID: 2.3	Test Name:		Weapon deals different damage based on weapon type e:
General I	Repor	t on E	xecution: The weapons dealt different damage based upon the weapon type
Input #	put # Passed?		Problems Discovered
1	Yes	;	
2	Yes		
3	Yes		
Impact on Subsequent Tests			nt Tests
Recomme	endat	ion	

5.2.3 Unit Tests

ID: 3.1	Test Nam	Game Controllers / AI Controller
Canaral E		xecution: Successful.
General N	D 19	
Input #	Passed? Yes	Problems Discovered
	Yes	
3	Yes	
4	Yes	
5	Yes	
6	Yes	
7	Yes	
8	Yes	
9	Yes	
10	Yes	
11	Yes	
12	Yes	
13	Yes	
14	Yes	
15	Yes	
16	Yes	
17	Yes	
18	Yes	
19	Yes	
20	Yes	
21	Yes	
22	Yes	
23	Yes	
24	Yes	
25	Yes	
26	Yes	
Impact or	Subsequer	nt Tests
Recomme		

ID: 3.2	Test Nam			
General l	Report on E	xecution: Successful.		
Input #	Passed?	Problems Discovered		
1	Yes			
2	Yes			
3	Yes			
4	Yes			
5	Yes			
6	Yes			
Impact on Subsequent Tests				
Recomm	endation			

ID:	3.3	Test Name:		Game Controllers / Data Manager	
Genera	al Repor	t on E	xecution:	Successful.	
Input	# Pas	sed?	Proble	ms Discovered	
1	Yes	3			
2	Yes	Yes			
3 Yes		Yes			
Impac	Impact on Subsequent Tests				
Recon	nmendat	ion			

ID: 3.4	Test	Game Controllers / Game Controller					
	Nam	ie:					
General F	General Report on Execution: Successful.						
Input #	Passed?	Problems Discovered					
1	Yes						
2	Yes						
3	Yes						
4	Yes						
5	Yes						
6	Yes						
7	Yes						
8	Yes						
9	Yes						
10	Yes						
11	Yes						
12	Yes						
13	Yes						
14	Yes						
15	Yes						
16	Yes						
17	Yes						
18	Yes						
19	Yes						
20	Yes						
21	Yes						
22	Yes						
23	Yes						
24	Yes						
25	Yes						
26	Yes						
27	Yes						
28	Yes						
29	Yes						
30	Yes						
31	Yes						
32	Yes						
33	Yes						
34	Yes						
35	Yes						

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36	Yes					
37	Yes					
38	Yes					
39	Yes					
Impact or	Impact on Subsequent Tests					
Recomme	Recommendation					

ID:	3.5	T	Cest .	Game Controllers / NewGame	
		N	lame:		
Gene	General Report on Execution: Successful.				
Inpu	Input # Passed?		d? Proble	ems Discovered	
1		Yes			
Impa	Impact on Subsequent Tests				
Recommendation					

ID: 3.6	Test Nam			
General I	Report on E	xecution: Successful.		
Input #	Passed?	Problems Discovered		
1	Yes			
2	Yes			
3	Yes			
4	Yes			
Impact on Subsequent Tests				
Recomme	endation			

ID: 3.	1	Test Name:		Ship AI / Projectile Data	
General	Repoi	rt on E	xecution	: Successful.	
Input #	Pas	ssed?	Proble	ems Discovered	
1	Yes				
2	Yes				
3	Yes				
4	Yes	S			
5	Yes	S			
Impact of	Impact on Subsequent Tests				
Recomn	endat	ion			

ID: 3.8	Test Name:		e:	Ship AI / Ship AI
General Report on Execution			xecution	n: Successful.
Input #	Passed?		Proble	ems Discovered
1	Yes			
2	Yes			
3	Yes			
4	Yes			

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5	Yes				
6	Yes				
7	Yes				
8	Yes				
9	Yes				
10	Yes				
11	Yes				
12	Yes				
13					
	Yes				
14	Yes				
15	Yes				
16	Yes				
17	Yes				
18	Yes				
19	Yes				
20	Yes				
21	Yes				
22	Yes				
23	Yes				
24	Yes				
25	Yes				
26	Yes				
27	Yes				
28	Yes				
29	Yes				
30	Yes				
31	Yes				
Recomme	Impact on Subsequent Tests Recommendation				
recomme	Accommendation				

ID:	3.9	Test		Other / Hyperspace Window
		Nam		ne:
Gene	ral R	lepor	t on E	Execution: Successful.
Inpu	it # Passed?		sed?	Problems Discovered
1		Yes		
2		Yes		
Impact on Subsequent Tests			sequer	nt Tests
Reco	mme	ndat	ion	

ID: 3.10	3.10 Test Nam		8			
General F	Repor	t on E	xecution: Successful.			
Input #	out # Passed?		Problems Discovered			
1	Yes					
2	Yes					
3	Yes					
4	Yes					
5	Yes					
Impact or	Impact on Subsequent Tests					

Recommendation

ID: 3.1		t HUD / Loading Screen
General F	Report on	Execution: Successful.
Input #	Passed	Problems Discovered
1	Yes	
2	Yes	
3	Yes	
Impact on Subsequent Tests		ent Tests
Recomme	endation	

ID: 3.12		Test Name:	HUD / Main Menu
General F	Report o	n Execution	: Successful.
Input #	Passe	d? Proble	ems Discovered
1	Yes		
2	Yes		
3	Yes		
4	Yes		
Impact or	Subse	quent Tests	
Recomme	endation	n	

ID: 3.13				
	Na	me:		
General R	Report on	Execution: Successful.		
Input #	Passed'	Problems Discovered		
1	Yes			
2	Yes			
3	Yes			
4	Yes			
5	Yes			
6	Yes			
7	Yes			
Impact on Subsequent Tests				
Recomme	endation			

ID: 3.1	4	Test	HUD / Player Info
		Name	
General	Report	t on Ex	secution: Successful.
Input #	Input # Passed?		Problems Discovered
1	Yes		
2	Yes		
3	Yes		
4	Yes		
5	Yes		
6	Yes		

Testing Documentation

7	Yes					
8	Yes					
9	Yes					
10	Yes					
Impact or	Impact on Subsequent Tests					
Recomme	Recommendation					

ID: 3.1		Гest Name:	HUD / Rep Ali Panel	
General F	Report o	on Execution	on: Successful.	
Input #	Passe	ed? Prob	lems Discovered	
1	Yes			
2	Yes			
3	Yes			
4	Yes			
5	Yes			
6	Yes			
Impact on Subsequent Tests				
Recomme	Recommendation			

ID: 3.10		8				
	Nam	e:				
General R	Report on E	xecution: Successful.				
Input #	Passed?	Problems Discovered				
1	Yes					
2	Yes					
3	Yes					
4	Yes					
5	Yes					
6	Yes					
7	Yes					
8	Yes					
Impact or	Impact on Subsequent Tests					
Recomme	endation					

ID: 3.1	7 Test Nan	
General F	Report on I	Execution: Successful.
Input #	Passed?	Problems Discovered
1	Yes	
2	Yes	
3	Yes	
4	Yes	
5	Yes	
6	Yes	
7	Yes	
8	Yes	
9	Yes	

Testing Documentation

10	Yes	
11	Yes	
12	Yes	
13	Yes	
14	Yes	
Impact on Subsequent Tests		
Recommendation		

ID: 3.18		t HUD / Target Select ne:				
General R	General Report on Execution: Successful.					
Input #	Passed'	Problems Discovered				
1	Yes					
2	Yes					
3	Yes					
4	Yes					
5	Yes					
6	Yes					
7	Yes					
Impact on Subsequent Tests						
Recomme	Recommendation					

ID: 3.19		est HUD / Top Overlay Script fame:				
General F	General Report on Execution: Successful.					
Input #	Passe	d? Problems Discovered				
1	Yes					
2	Yes					
3	Yes					
4	Yes					
5	Yes					
6	Yes					
7	Yes					
8	Yes					
9	Yes					
10	Yes					
11	Yes					
12	Yes					
13	Yes					
14	Yes					
15	Yes					
		quent Tests				
Recomme	Recommendation					

ID: 3.20	0 Test Nam		e:	HUD / Weapons Panel		
General F	General Report on Execution: Successful.					
Input #	Input # Passed?		Proble	ems Discovered		
1	Yes					
2	Yes					
3	Yes					
4	Yes					
5	Yes					
6	Yes					
7	Yes					
8	Yes					
9	Yes					
10	Yes					
11 Yes						
Impact or	Impact on Subsequent Tests					
Recommendation						

ID: 3.2	21 Test Nam					
General F	General Report on Execution: Successful.					
Input # Pas		sed?	d? Problems Discovered			
1	Yes					
2	Yes					
3	Yes					
4	Yes					
5	Yes					
6	Yes					
7	Yes					
Impact or	Impact on Subsequent Tests					
Recomme	Recommendation					

5.2.4 Other White Box Tests

Other white box tests were not completed due to time constraints.

5.3 Overall Recommendation

The application Stargate: Galaxy has been reviewed and tested using a moderate number of test cases. The test cases that have been executed were successful in verifying that the implementation is correct in its design. Ideally more testing would have been completed so that issues could be identified and then any issues discovered could be prioritised. Although there were no major issues found within the program it is possible that there are issues with the game. The products documentation was well presented and thorough. All together the testing team is happy that the product implemented satisfied the requirements.