	Τ	Ta			T	T	T	1
	Description	Related	C-t	A	la sust	Formandad Danult	A stud sutsans	D /f-:1
ID	Description	Requirements/co	Catagory	Author	Input	Expected Result	Actual outcome	Pass/fail
		mponents						
	Play button starts the game on the			1				
1	main menu	Main menu	Manual	Adam	click on play button	The game starts	the game starts	Pass
	Quit button on the main menu closes							
2	the game	Main menu	Manual	Adam	Click on Quit button	The executable closes	The executable closes	Pass
	Changing the window size functions						The screen enlargens without any	
3	for main menu	Main menu	Manual	Adam	Maximise screen on main menu	The screen enlargens without any issues	issues	Pass
	Windowing the game shrinks main				Maximise screen, then click on windowed			
4	menu accordingly	Main menu	Manual	Adam	mode button (next to close and minimise)	The screen reduces without issue	The screnn reduces without issue	Pass
	Manually scaling the screen doesn't				shrink screen borders manually to the		The menu is still visible and	
5	cause major issues	Main menu	Manual	Adam	smallest realistic playable size	The menu is still visible and useable	useable	Pass
							The buttons become completely	
	Manually scale the screen to an				shrink screen borders manually to the		unaccessable and the game cant	
6	unrealistic small size	Main menu	Manual	Adam	smallest visible size	The game only shrinks to a certain size	be played	Fail
	Manually scale the screen to an				Extend screen borders to cover both monitors		The screen scales to fit and still	
7	unrealistic large size	Main menu	Manual	Adam	of a dual monitor computer	The screen scales to fit and still works	works	Pass
		Player control				The players boat points and moves at 0	The players boat points and moves	
8	Northern movement	Navigation	Manual	Adam	W	degrees	at 0 degrees	Pass
		Player control				The players boat points and moves at 45	The players boat points and moves	
9	North eastern movement	Navigation	Manual	Adam	W and D at same time	degrees	at 45 degrees	Pass
		Player control				The players boat points and moves at 90	The players boat points and moves	
10	Eastern movement	Navigation	Manual	Adam	D	degrees	at 90 degrees	Pass
		Player control		1		The players boat points and moves at 135	The players boat points and moves	
11	Southeastern movement	Navigation	Manual	Adam	D and S at same time	degrees	at 135 degrees	Pass
	- Southeastern movement	Player control	Iviariaar	/ tdaiii	Dana Sac Same time	The players boat points and moves at 180	The players boat points and moves	
12	Southern movement	Navigation	Manual	Adam	S	degrees	at 180 degrees	Pass
12	Journal Hovement	Player control	Ivianiaai	Addin		The players boat points and moves at 225	The players boat points and moves	
12	Southwestern movement	Navigation	Manual	Adam	S and A at same time	degrees	at 225 degrees	Pass
13	Southwestern movement	†	Iviaiiuai	Audili	3 and A at same time	The players boat points and moves at 270	The players boat points and moves	
1.1	Western mayament	Player control	Manual	Adam			at 270 degrees	
14	Western movement	Navigation	Ivialiual	Audili	A	The players heat points and mayor at 215	-	Pass
15	Northwestern meavement	Player control	Manual	Adam	A and M at same time	The players boat points and moves at 315	The players boat points and moves	
15	Northwestern movement	Navigation	Manual	Adam	A and W at same time	degrees	at 315 degrees	Pass
		Player control						
16	Northern shooting	Combat	Manual	Adam	W then space	A cannonball is fired at 0 degrees	A cannonball is fired at 0 degrees	Pass
		Player control						
17	North eastern shooting	Combat	Manual	Adam	W and D at same time then space	A cannonball is fired at 45 degrees	A cannonball is fired at 45 degrees	Pass
		Player control						
18	Eastern shooting	Combat	Manual	Adam	D then space	A cannonball is fired at 90 degrees	A cannonball is fired at 90 degrees	Pass
		Player control					A cannonball is fired at 135	
19	Southeastern shooting	Combat	Manual	Adam	D and S at same time then space	A cannonball is fired at 135 degrees	degrees	Pass
		Player control					A cannonball is fired at 180	
20	Southern shooting	Combat	Manual	Adam	S then space	A cannonball is fired at 180 degrees	degrees	Pass
		Player control					A cannonball is fired at 225	
21	Southwestern shooting	Combat	Manual	Adam	S and A at same time then space	A cannonball is fired at 225 degrees	degrees	Pass
	-	Player control					A cannonball is fired at 270	
22	Western shooting	Combat	Manual	Adam	A then space	A cannonball is fired at 270 degrees	degrees	Pass
		Player control	-		'		A cannonball is fired at 315	
23	Northwestern shooting	Combat	Manual	Adam	A and W at same time then space	A cannonball is fired at 315 degrees	degrees	Pass
		1 2 2 2 2	1 2 2 2 2 2				A cannonball is fired at the	
		Player control				A cannonball is fired at the direction the	direction the mouse was was at	
24	Mouse shooting	Combat	Manual	Adam	Click at various positions around ship	mouse was was at upon clicking	upon clicking	Pass
	inouse shooting	Johnson	Tivianiaai	Tradin	ones at various positions around ship	mouse was was at apon cheding	apon chemis	1 433

		Player control						
25	 Terrain collision	navigation	Manual	Adam	sail into island and lake borders	boat stops at shoreline	boat stops at shoreline	Pass
		Player control				·	·	
26	Ammo counter empty	combat	Manual	Adam	click until ammo count reaches 0	Game ends on a fail	Game ends on a fail	Pass
							initial shots move in direction of	
	Change fire modes mid combat click to	Player control			Fire a few shots with click, then use space to	initial shots move in direction of cursor,	cursor, subsequent shots move in	
27	space	combat	Manual	Adam	fire	subsequent shots move in direction of boat.	direction of boat.	Pass
							initial shots move in direction of	
	Change fire modes mid combat space	Player control			Fire a few shots with space, then use click to	initial shots move in direction of boat,	boat, subsequent shots move in	
28	to click	combat	Manual	Adam	fire	subsequent shots move in direction of cursor	direction of cursor	Pass
20	Fine mate meanural	Player control	0.4	A -1	Fire shots as fast as physically possible with		Shots are fired quickly without	D
29	Fire rate manual	combat	Manual	Adam	click and space	Shots are fired quickly without causing lag	causing lag	Pass
					Fire chots as fast as possible with an		Shots are fired quickly without	
		Player control			Fire shots as fast as possible with an autoclicking macro (roughly 1200 clicks per		causing lag, but at a rate slower than manual although still more	
30	 Fire rate macro	combat	Manual	Adam	minute)	Shots are fired quickly without causing lag	than fast enough,	Pass
	Quit in game		Manual	Adam		<u> </u>		
		UI		<u> </u>	ESC once in game	Game loads an end of game screen	Game loads an end of game screen	
32	Exit button on end of game screen	UI	Manual	Adam	ESC once in game, then click exit	The executable closes	The executable closes	Pass
22	Duilding deskurekien	Camabat	N. 4 a va v a l	A al a vas		The cannonball destroys the building and	The cannonball destroys the	Dana
33	Building destruction	Combat	Manual	Adam	shoot at a building in game	disappears	building and disappears	Pass
							The chests get picked up when in	
							the general vicinity, adding 100 plunder. Chests occasionally	
						The chests pick up when sailed over, adding	spawn on land but still getpicked	
34	Chest spawns	Gameplay	Manual	Adam	Locate a chest	100 plunder	up by going near them.	Partial Pass
	Objective completion	Gameplay	Manual	Adam	do an objective as provided	The next objective is given	The next objective is given	Pass
33	Objective completion	Garriepiay	Ivialiuai	Auaiii	Do all objective as provided until they are all	The game ends and loads the end of game	The game ends and loads the end	rass
36	All Objective Completion	Gameplay	Manual	Adam	complete	screen	of game screen	Pass
	7.11 Objective completion	Guinepiay	Widifiadi	7.00111	Complete	The game ends and loads the end of game	The game ends and loads the end	1 433
37	Death of player	Gameplay	Manual	Adam	Get player controlled boat destroyed	screen	of game screen	Pass
	Decreace in health	Gameplay	Manual	Adam	Get damaged by enemy fire	The players health goes down	The players health goes down	Pass
	Al Ships	Gameplay	Manual	Adam	Go near an Al boat	Al Boats follow but do not attack	Al Boats follow but do not attack	Pass
	•	† · · ·	+					
40	Restart Button on end of game screen	UI	Manual	Adam	Start Game, esc, click restart button	The game restarts	The game restarts Weapon fires 2 cannonballs at a	Pass
/11	Power up functionality (Double shot)	Gameplay	Manual	Adam	Pick up power up, perform accosiated action	Weapon fires 2 cannonballs at a time	time	Pass
	, , , , , , , , , , , , , , , , , , , ,	1		<u> </u>		<u>'</u>		
42	Power up functionality (Shield)	Gameplay	Manual	Adam	Pick up power up, perform accosiated action	temporary immunity health set back to 100 from a lower value,	temporary immunity health set back to 100 from a	Pass
/12	Power up functionality (Health)	Gameplay	Manual	Adam	Pick up power up, perform accosiated action	nothing otherwise	lower value, nothing otherwise	Pass
				<u> </u>		<u> </u>		
	Power up functionality (Speed)	Gameplay	Manual	Adam	Pick up power up, perform accosiated action	Ship moves faster	Ship moves (slightly) faster	Pass
	Power up functionality (2X)	Gameplay	Manual	Adam	Pick up power up, perform accosiated action	more points provided	more points provided	Pass
	Shop Ammo Purchase and function	UI	Manual	Adam	Buy ammo from shop	Extra Ammo added	Extra Ammo added	Pass
47	Shop Health Purchase and function	UI	Manual	Adam	Buy health from shop	Extra health added	Extra health added	Pass
					Destroy some college that isnt the current	When it should be assigned, the award is	When it should be assigned, the	
48	Destroying colleges before assigned	Gameplay	Manual	Adam	objective	granted immediately	award is granted immediately	Pass
						Game starts with extra (100) health and 50	Game starts with extra (100)	
49	Easy Mode Functionality	Main Menu	Manual	Adam	Start the game on easy mode	ammo	health and 50 ammo	Pass
						Game starts with normal (80) health and 30	Game starts with normal (80)	
50	Normal Mode Functionality	Main Menu	Manual	Adam	Start the game on normal mode	ammo	health and 30 ammo	Pass
							Game starts with low (60) health	
51	Hard Mode Functionality	Main Menu	Manual	Adam	Start the game on hard mode	Game starts with low (60) health and 30 ammo	and 30 ammo	Pass

	1	1	1	Start a same an agent made fine 2 companies lie	T	I	
				Start a game on easy mode, fire 3 cannonballs		Game continues from where it was	
Caving Functionality (againmed cave)	III/Main Manu	Manual	Adam	to differentiate from fresh, save, restart game			
52 Saving Functionality (easy mode save)	UI/Main Menu	Manual	Adam	and click continue	all proper values	saved with all proper values	Pass
Saving Functionality (normal mode				Start a game on normal mode, fire 3	Game continues from where it was saved with	Game continues from where it was	
Saving Functionality (normal mode	UI/Main Menu	Manual	Adam	cannonballs to differentiate from fresh, save,			
53 save)	Oi/iviaiii ivieiiu	Ivialiual	Adam	restart game and click continue	all proper values	saved with all proper values	Pass
				Start a game on hard mode, fire 3 cannonballs	Game continues from where it was saved with	Game continues from where it was	
E4 Saving Functionality (hard made cave)	III/Main Monu	Manual	Adam	to differentiate from fresh, save, restart game			
54 Saving Functionality (hard mode save)	Oi/iviaiii ivieiiu	Ivialiual	Adam	and click continue	all proper values	saved with all proper values	Pass
Restart Button on end of game screen	1	N. Announced	A -l	start an easy game, fire a few cannonballs,		Game restarts as a standard easy	Dane
55 (easy settings)	UI	Manual	Adam	esc, click restart	Game restarts as a standard easy mode game	mode game	Pass
Restart Button on end of game screen	ļ.,,	N 4 = 1	A -1	start a normal game, fire a few cannonballs,	Game restarts as a standard normal mode	Game restarts as a standard easy	Dankial Da
56 (normal settings)	UI	Manual	Adam	esc, click restart	game	mode game	Partial Pa
Restart Button on end of game screen	l			start a hard game, fire a few cannonballs, esc,		Game restarts as a standard easy	
57 (hard settings)	UI	Manual	Adam	click restart	Game restarts as a standard hard mode game	mode game	Partial Pa
		ļ., ,		Create a save, close the game, edit the JSON			
58 Alter save file with new values	Other	Manual	Adam	file with unrealistic values, load save	Game loads in with new values	Game loads in with new values	Pass
				Create a save, alter it with Impossible	Game loads in with new values and functions	Game loads in with new values	
59 Extreme health values	Other	Manual	Adam	· · · · · · · · · · · · · · · · · · ·		and functions as normal	Pass
				Create a save, alter it with Impossible	Game loads in with new values and functions	Game loads in with new values	
60 Extreme ammo values	Other	Manual	Adam	(10,000,000,000) ammo and restart the game	as normal	and functions as normal	Pass
				Create a save, alter it with Impossible			
				(10,000,000,000) plunder and restart the	Game loads in with new values and functions	Game loads in with new values	
61 Extreme plunder values	Other	Manual	Adam	game	as normal	and functions as normal	Pass
						Game ends immediately due to	
				Create a save, alter it with Impossible (-1)	Game ends immediately due to no/negative	no/negative health being a fail	
62 Negative health values	Other	Manual	Adam	ammo and restart the game	health being a fail state	state	Pass
				Create a save, alter it with Impossible (-1)	Game ends immediately due to no/negative	Game ends immediately due to no	
63 Negative ammo values	Other	Manual	Adam	ammo and restart the game	ammo being a fail state	ammo being a fail state	Pass
						Game loads in with new values	
				Create a save, alter it with Impossible (-1)	Game loads in with new values and functions	and functions as normal (ie player	
64 Negative plunder values	Other	Manual	Adam	plunder and restart the game	as normal (ie player is in plunder debt)	is in plunder debt)	Pass
65 Runs on Linux	Other	Manual	Adam	Load the game on linux and see if it works	Game loads and runs normally	Game loads and runs normally	Pass
66 Runs on Mac	Other	Manual	Adam	Load the game on Mac and see if it works	Game loads and runs normally	Game loads and runs normally	Pass
				Load the game on Windows and see if it	,	,	
67 Runs on Windows	Other	Manual	Adam	works	Game loads and runs normally	Game loads and runs normally	Pass
				· ·	Game plays smoothly with no noticable input	Game plays smoothly with no	
68 User input smoothness	Other	Manual	Adam	Check for noticable input lag	lag	noticable input lag	Pass
2.5 2.5 mp 3.5 cm 2.6 mood		1.2.1.2.2.			Game is playable with no issues by colourblind	Game is playable with no issues by	
69 Colourblind check	Other	Manual	Adam	Make sure game adheres to clourblindness	people	colourblind people	Pass
S SOIS GIRLING GIRCON	3		,		Packing	Game is playable with no issues	. 4.35
				Make sure game has no flashing animations	Game is playable with no issues involving	involving deliberate or	
70 Epilepsy Check	Other	Manual	Adam	or effects	deliberate or indeliberate flashing effects	indeliberate flashing effects	Pass
	†		<u> </u>				
71 Enemy ship fires back	Combat	Manual	Adam	sail near an enemy ship and see if they attack	Enemy ships attack the player	Enemy ships attack the player	Pass
Enemy ship converts to friendly after	Camah - t	NA more d	A al - :	Attack the enemy ships until they are	Ship converts to friendly after being	Ship converts to friendly after	Dec
72 hitting them	Combat	Manual	Adam	"defeated", see if they convert to friendly	"defeated"	being "defeated"	Pass
						The ships dont attempt to directly	
				Gather some friendly ships, then sail to an		fire at the college but do hit them	
				enemy college. see if the friendly ones fire at		with collateral shots from firing at	
73 Friendly ships attack enemy colleges	Combat	Manual	Adam	the college itself	The ships fire at the college	boats	Partial Pa
74 Boss attacks player	Combat	Manual	Adam	Sail near boss and see if it attacks	boss shoots at player	boss shoots at player	Pass

	1		<u> </u>		Cail into tarnoda weather and socifit	1	1	
76	Tornado damagos playor	Combat	Manual	Adam	Sail into tornado weather and see if it	Tornado damagos plavor	Tornado damagos player	Dace
76	Tornado damages player	Combat	Manual	Adam	damages player	Tornado damages player	Tornado damages player	Pass
					Fire a cannonball and see if ammo			
70	Ammo counter	UI	Manual	Adam	decrements	Ammo decrements	Ammo decrements	Pacc
70	Annino countei	01	Ividiludi	Audili	decrements	Animo decrements	Animo decrements	Pass
					Play a full round of the game and note any			
80	Stuttering	Other	Manual	Adam	stutters	Gameplay is smooth throughout	Gameplay is smooth throughout	Pass
80	Stattering	Other	Ivialiual	Audili		Gamepiay is smooth throughout		
01	la stancetica s	Othor	Name	A al a	Gameplay instructions should be obvious and		Instructions are simple and clearly	
81	Instructions	Other	Manual	Adam	easy to understand	Instructions are simple and clearly visible	visible	Pass
							Navigating to chests is relatively	
							easy as it gives you a compass	
							direction. Without prior	
							knowledge college navigation can	
							prove difficult as you need to sail	
82	Navigation	Other	Manual	Adam	Navigate to where the game tells you to go	Navigating to objectives should be intuitive	around and find it first.	Partial Pass
					Observe someone else play the game from 2		The gameplay is visible and	
83	Distance Observation	Other	Manual	Adam	meters distance	The gameplay is visible and watchable	watchable	Pass
					When an end of game state is reached (esc,			
					win/lose), a timer of how long the game		The timer is displayed at end of	
84	Timer display on end of game	UI	Manual	Adam	lasted should display	The timer is displayed at end of game	game	Pass
					Start a game, wait a few seconds, end it,			
85	Timer resets on restart	UI	Manual	Adam	restart then immediately end the new game	The timer value is reset	The timer value is reset	Pass
	points gained when interacting with				Sail into the tornado and check to see if			
86	tornado	Combat	Manual	Adam	points increases	Points increases	Points increases	Pass
					Ally some ships, then restart the game. See if			
87	Ships reset on restart	AI	Manual	Adam	they get reset to being hostile.	Ships get reset	Ships get reset	Pass
	Points displayed on end of Game				When an end of game state is reached (esc,		Plunder is displayed at end of	
88	screen	UI	Manual	Adam	win/lose), point count should be displayed	Plunder is displayed at end of game	game	Pass
	Points on End of Game screen reset on				Start a game, earn some points, end game,			
89	restart	UI	Manual	Adam	restart then immediately end the new game	Points get reset	Points get reset	Pass
					Ensure allied enemy ships do not attack each			
90	Enemies do not attack each other	AI	Manual	Adam	other	Ships do not attack each other	Ships do not attack each other	Pass
	Powerup Duration easy	Gameplay	Manual	Adam	Pick up power up, time 50 seconds	Power up lasts 50 seconds	Power up lasts 50 seconds	Pass
	Powerup Duration normal	Gameplay	Manual	Adam	Pick up power up, time 30 seconds	Power up lasts 30 seconds	Power up lasts 30 seconds	Pass
	· ·		<u> </u>	+	<u> </u>	<u> </u>	·	
93	Powerup Duration hard	Gameplay	Manual	Adam	Pick up power up, time 10 seconds	Power up lasts 10 seconds	Power up lasts 10 seconds	Pass