

White Box Testing

Test No.	Req. Ref.	Description	Method	Predicted Result	Actual Result	Pass?
1	F4	Do the attack buttons work in combat?	Press the Broadside button. Then, next turn press the second attack button. Etc until all buttons pressed.	Buttons should perform the corresponding attacks/actions when pressed.	Buttons worked correctly.	Pass
2	F3	Does ship movement work in sailing mode?	Press UP to begin sailing. Then, whilst sailing, press LEFT followed by RIGHT. Finally, press DOWN to stop.	Upon pressing W, the ship should start sailing and when S is pressed it should stop. A and D should turn left and right respectively whilst held.	The ship started moving after W was pressed, turned left and right whilst A and D were held and slowed down to a halt after S was pressed.	Pass
3	F7	Do you win gold after defeating an enemy ship?	Go into combat, fight ship until you win. See if gold displayed has changed.	Gold should increase by 20.	Gold increased by 20.	Pass
4	F3	Can you sail past the edge of the map?	Sail to each edge of the map, and test if you collide.	Ship should not be able to pass through edge of the map.	Ship could not pass through edge, however a new bug was discovered at edge of the world it displays messages on the screen.	Pass
5	F9.1 F11	Can you purchase an upgrade from physics department?	Sail to physics with 10000 gold (enough to purchase upgrades), and test if you can purchase an upgrade.	You can purchase an item, and next time you sail into battle your ship should have a higher max health.	Ship did have a new maximum health, and money was taken from player. Your actual health did not increase with your upgrade.	Pass
6	F9.1 F11	Can you purchase an upgrade from chemistry department?	Sail to chemistry with 10000 gold (enough to purchase upgrades), and test if you can purchase an upgrade.	You can purchase the upgrade, next time you sail into battle your attacks should do more damage.	Attacks did do more damage in next battle. However price displayed for upgrade was incorrect.	Pass Fail
7	F9	Can you attack a department?	Sail to each department and attempt to interact with it.	You should not be able to fight.	You can't fight or capture a department.	Pass
8	F11	Can you repair your	Sail to a department with a damaged ship	Your ship should have returned to	Ship had returned to max health.	Pass

		ship at departments?	and attempt to heal, then enter another fight.	max health.	However price displayed for healing was incorrect.	Fail
9	F11	Can you repair your ship at your starting college?	Sail to Derwent (starting college) with a damaged ship and attempt to heal your ship.	Your ship should have returned to max health.	Ship has returned to max health.	Pass
10	F11 F8.5	Can you repair your ship at a captured college?	Sail to James, fight the boss and win (by changing boss stats in program for easier win) then interact with the captured college.	Your ship should return to max health.	Ship has returned to max health.	Pass