

Part of program	Test description	Test data	Expected data	Actual results	Success
Menu	Valid option	1	Run new game	<pre> Enter your option using the corresponding number 1: New Game 2: Resume a game 3: Read Instructions 4: Quit Game 1 Enter boat 1 coordinates </pre>	Yes
Menu	Invalid number	5	Enter option again	<pre> Enter your option using the corresponding number 1: New Game 2: Resume a game 3: Read Instructions 4: Quit Game 5 Invalid option Enter your option using the corresponding number 1: New Game 2: Resume a game 3: Read Instructions 4: Quit Game </pre>	Yes
Menu	Erroneous string	toby	Enter option again	<pre> Enter your option using the corresponding number 1: New Game 2: Resume a game 3: Read Instructions 4: Quit Game toby Enter your option using the corresponding number 1: New Game 2: Resume a game 3: Read Instructions 4: Quit Game </pre>	Yes
Entering boats	Valid coordinate	A1	Ask for next boat	<pre> Enter boat 1 coordinates A1 Enter boat 2 coordinates </pre>	Yes
Entering boats	Invalid coordinate	A9	Enter that boat coordinate again	<pre> Enter boat 2 coordinates A9 Invalid coordinates. Enter different coordinates Enter boat 2 coordinates </pre>	Yes
Entering boats	Erroneous coordinate	toby	Enter boat coordinate again	<pre> Enter boat 2 coordinates toby Invalid coordinates. Enter different coordinates Enter boat 2 coordinates </pre>	Yes

Entering boats	Same coordinate	A1	Enter coordinate again	<pre> Enter boat 1 coordinates A1 Enter boat 2 coordinates A1 Invalid coordinates. Enter different coordinates Enter boat 2 coordinates - </pre>		Yes
Entering boats	All valid coordinate		Display boat grid	<pre> This is your grid: ABCDEFGH 1B oooooooo 2 oooooooo 3 ooooooB oo 4B ooooooB 5 oooooooo 6 oB oooooo 7 oooooooo 8 oooooooo </pre>		Yes
Targeting	Valid target	A5	Display if hit or miss on grid	<pre> Enter your target coordinates: A5 You missed the boats The computer chose these coordinates: E1 The computer missed your boat ABCDEFGH 1 oooooooo 2 oooooooo 3 oooooooo 4 oooooooo 5 oooooooo 6 oooooooo 7 oooooooo 8 oooooooo </pre>		Yes
Targeting	Invalid target	K5	Ask for another target	<pre> Enter your target coordinates: K5 Invalid coordinates. Enter a different coordinate Enter your target coordinates: </pre>		Yes

Targeting	Erroneous target	kjsdfjljkfsdjg	Ask for another target	<pre> Enter your target coordinates: kjsdfjljkfsdjg Invalid coordinates. Enter a different coordinate Enter your target coordinates: _ </pre>		Yes
Targeting	Quitting	quit	Save the status then exit the program	<pre> Enter your target coordinates: quit C:\Users\TP149985\OneDrive - Hills ats\battleBoats\battleBoats\bin\De code 0. To automatically close the console ng->Automatically close the consol Press any key to close this window </pre>		Yes
Menu -> resume -> targeting	Resume	2	Display the previous trying board and continue game	<pre> Enter your option using the corresponding number 1: New Game 2: Resume a game 3: Read Instructions 4: Quit Game 2 gathering data from previous game... Here is your game: ABCDEFGH 100000000 200000000 300000000 400000000 500000000 600000000 700000000 800000000 Enter your target coordinates: </pre>		Yes

Targeting	Boundary target	H8	Display if hit or miss	<pre> Enter your target coordinates: H8 You missed the boats The computer chose these coordinates: H3 The computer missed your boat ABCDEFGH 100000000 200000000 300000000 400000000 500000000 600000000 700000000 800000000 Enter your target coordinates: </pre>	Yes
Menu -> Instructions	Valid option	3	Display Instructions	<pre> Enter your option using the corresponding number 1: New Game 2: Resume a game 3: Read Instructions 4: Quit Game 3 The aim of this game is to hit all of your opponent's boats on their 8x8 grid. You will guess where the boats are by inputting coordinates For example, the first square has coordinates A0. Your opponent will also be guessing where your boats are. The winner is the player that hits all of the other player's boats first. There is an example of the grid below If you want to quit during the game, typing 'quit' ABCDEFGH 100000000 200000000 300000000 400000000 500000000 600000000 700000000 800000000 Enter your option using the corresponding number 1: New Game 2: Resume a game 3: Read Instructions 4: Quit Game </pre>	Yes