Black Box Test Plan: Connect-N program

Introduction: The text in bold in the **Description** column represents the test inputs to the program. You can stop program execution by pressing Ctrl+C.

Test ID	Description	Expected Results	Actual Results
testBasicDisplay Author: Eli W. Hunter	csc\$ java -cp bin CLI Number of tokens to connect: 3 Width of board: 4 Height of board: 5 Number of players: 2 Player 1's Name: Alice Player 2's Name: Bob	A help message is displayed and then a 4-wide, 5-tall empty board (signified by O's) is displayed prompting the player 1 for input with their name (Alice)	A help message is displayed and then a 4-wide, 5-tall empty board (signified by O's) is displayed prompting the player 1 for input with their name (Alice)
testColoredToken Author: Eli W. Hunter	Use setup described in testBasicDisplay Alice's Turn! Enter action: 2	A bold colored "A" is added to the bottom of column 2 (the third column). Bob is then prompted for action like Alice was.	GUI displays 9s, 2h, 10d, 3c, 3h Points: 90
testInvalidToken Author: Eli W. Hunter	Use setup described in testBasicDisplay Alice's Turn! Enter action: -1	An error message is displayed and the same player is prompted.	An error message is displayed and the same player is prompted.
testQuit Author: Eli W. Hunter	Use setup described in testBasicDisplay Alice's Turn!	Program exits.	Program exits.

	Enter action: Q		
testWinningSequence Author: Eli W. Hunter	Use setup described in testBasicDisplay Add tokens in such a way that Bob gets a negative diagonal sequence of 3 and no other player gets anything.	A win screen displaying Bob's name is displayed.	A win screen displaying Bob's name is displayed.
testFullBoard Author: Eli W. Hunter	Use setup described in testBasicDisplay Add tokens in such a way that no player gets a sequence of 3.	A game over screen is displayed.	A game over screen is displayed.
testManyPlayers Author: Eli W. Hunter	Csc\$ java -cp bin CLI Number of tokens to connect: 3 Width of board: 9 Height of board: 8 Number of players: 7 Player 1's Name: Alice Player 2's Name: Bob Player 3's Name: Colin Player 4's Name: Darius Player 5's Name: Eli Player 6's Name: Flynn Player 7's Name: Gharim Add one token for each player.	A help message is displayed and then a 9-wide, 8-tall empty board (signified by O's). As each token is added, that player's token, show with a unique color and the first letter of their name, is added with to the correct, specified column. The board is redisplayed each time. And the next player is appropriately prompted with their name. Each player has a unique color, except for Alice and Gharim who both share a color.	A help message is displayed and then a 9-wide, 8-tall empty board (signified by O's). As each token is added, that player's token, show with a unique color and the first letter of their name, is added with to the correct, specified column. The board is redisplayed each time. And the next player is appropriately prompted with their name. Each player has a unique color, except for Alice and Gharim who both share a color.

testNoColor Author: Eli W. Hunter	csc\$ java -cp bin CLIno-color Number of tokens to connect: 3 Width of board: 9 Height of board: 8 Number of players: 7 Player 1's Name: Alice Player 2's Name: Bob Player 3's Name: Colin Player 4's Name: Darius Player 5's Name: Eli Player 6's Name: Flynn Player 7's Name: Gharim Add one token for each player.	The same results for testManyPlayers; however, this time there are no colors displayed.	The same results for testManyPlayers; however, this time there are no colors displayed.
testInvalidTokensToConn ect Author: Eli W. Hunter	csc\$ java -cp bin CLI Number of tokens to connect: 1 Number of tokens to connect: 3.14 Number of tokens to connect: Four	Each time an invalid number of tokens to connect is specified, a specific, unique error message is displayed describing why the given numbers of token to connect.	Each time an invalid number of tokens to connect is specified, a specific, unique error message is displayed describing why the given numbers of token to connect.
testInvalidHeight Author: Eli W. Hunter	csc\$ java -cp bin CLI Number of tokens to connect: 5 Width of board: 7 Height of board: 2 Height of board: 2.73	Each time an invalid number of tokens to connect is specified, a specific, unique error message is displayed describing why the given numbers of token to connect.	Each time an invalid number of tokens to connect is specified, a specific, unique error message is displayed describing why the given numbers of token to connect.

Height of board: Six		
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