Black-box Test Cases

Use your notes from above to complete the black-box test plan section of the formal documentation by writing black box test cases (other than actual results since no program currently exists). Remember to test each equivalence class, boundary value, and requirement. For example, if you have 6 requirements, you should have at least 6 black-box test cases. **Make sure your test cases are non-redundant, specific, and repeatable!**

Test ID	Description	Expected Results	Actual Results
testGameEnds4Connect Player1 Author - team 2	\$ java ConnectFourGUI Enter a in the text box when prompted for player 1 name. Enter b in the text box when prompted for player 2 name. Enter 4 when prompted for the number of pieces to necessary to win Player 1 connects 4 pieces.	a Won! a Wins: 1 b Wins: 0 Replay button appears	a Won! a Wins: 1 b Wins: 0 Replay button appears
testGameEnds4Connect Player2UpdateWins Author - team 2	Click the Replay button after testGameEnds4Connect Player1 Enter a in the text box when prompted for player 1 name. Enter b in the text box when prompted for player 2 name. Enter 4 when prompted for the number of pieces to necessary to win Player 2 connects 4 pieces.	b Won! a Wins: 1 b Wins: 1 Replay button appears	b Won! a Wins: 1 b Wins: 1 Replay button appears

			_
testGameEndsNoWinner	\$ java ConnectFourGUI	Tie a Wins: 0	Tie a Wins: 0
Author - team 2	Enter a in the text box when prompted for	b Wins: 0	b Wins: 0
	when prompted for player 1 name.	Replay button appears	Replay button appears
	Enter b in the text box when prompted for player 2 name.		
	Enter 4 when prompted for the number of pieces to necessary to win		
	Enter all 64 tokens without ever connecting four.		
testGameEndsOnLastMo veWinner	\$ java ConnectFourGUI	b Won! a Wins: 0	b Won! a Wins: 0
Author - team 2	Enter a in the text box when prompted for	b Wins: 1	b Wins: 1
	player 1 name.	Replay button appears	Replay button appears
	Enter b in the text box when prompted for player 2 name.		
	Enter 4 when prompted for the number of pieces to necessary to win		
	Enter all 64 tokens with player B winning on the last token.		
testGameEnds4Connect Player1Hor	\$ java ConnectFourGUI	a Won! a Wins: 1	a Won! a Wins: 1
Author - team 2	Enter a in the text box	b Wins: 0	b Wins: 0
	when prompted for player 1 name.	Replay button appears	Replay button appears
	Enter b in the text box when prompted for player 2 name.		
	Enter 4 when prompted		

	for the number of pieces to necessary to win		
	Player 1 connects 4 pieces horizontally from right to left.		
testGameEnds4Connect Player2Hor	\$ java ConnectFourGUI	b Won! a Wins: 0	b Won! a Wins: 0
Author - team 2	Enter a in the text box when prompted for player 1 name.	b Wins: 1 Replay button appears	b Wins: 1 Replay button appears
	Enter b in the text box when prompted for player 2 name.	Νεριαγ υπιστι αρρυσισ	Νεριαγ υπιστι αρρυσισ
	Enter 4 when prompted for the number of pieces necessary to win.		
	Player 2 connects 4 pieces from left to right.		
testGameEnds4Connect Player1DiagonallyLr	\$ java ConnectFourGUI	a Won! a Wins: 1	a Won! a Wins: 1
Author - team 2	Enter a in the text box	b Wins: 0	b Wins: 0
1		b wills. o	
	when prompted for player 1 name.	Replay button appears	Replay button appears
	when prompted for		
	when prompted for player 1 name. Enter b in the text box when prompted for		
	when prompted for player 1 name. Enter b in the text box when prompted for player 2 name. Enter 4 when prompted for the number of pieces		
testGameEnds4Connect Player2DiagonallyRl	when prompted for player 1 name. Enter b in the text box when prompted for player 2 name. Enter 4 when prompted for the number of pieces to necessary to win Player 1 connects pieces diagonally from		
l .	when prompted for player 1 name. Enter b in the text box when prompted for player 2 name. Enter 4 when prompted for the number of pieces to necessary to win Player 1 connects pieces diagonally from left to right.	Replay button appears b Won! a Wins: 0	Replay button appears b Won!

	when prompted for player 1 name. Enter b in the text box when prompted for player 2 name. Enter 4 when prompted for the number of pieces to necessary to win Player 2 connects pieces diagonally from right to left.	Replay button appears	Replay button appears
testGameEndsVertically Author - team 2	\$ java ConnectFourGUI Enter a in the text box when prompted for player 1 name. Enter b in the text box when prompted for player 2 name. Enter 4 when prompted for the number of pieces to necessary to win Player 1 connects 4 pieces vertically.	a Won! a Wins: 1 b Wins: 0 Replay button appears	a Won! a Wins: 1 b Wins: 0 Replay button appears
testBlankName Author - team 2	\$ java ConnectFourGUI Click ok without entering anything when prompted for the player 1 name.	Name cannot be blank.	Name cannot be blank.
testDuplicateName Author - team 2	\$ java ConnectFourGUI Enter "a" when prompted for Player 1 name. Enter "a" when prompted for Player 2 name.	Player 2 name must be different from Player 1.	Player 2 name must be different from Player 1.

	Г	T	Γ
testDecimalPieces Author - team 2	\$ java ConnectFourGUI Enter a in the text box	Re-prompted to enter the number of consecutive pieces to win (between 4 - 10 and a whole	Re-prompted to enter the number of consecutive pieces to win (between 4 - 10 and a whole
	when prompted for player 1 name.	number.	number.
	Enter b in the text box when prompted for player 2 name.		
	Enter 4.5 when prompted for the number of pieces to necessary to win		
testNonIntegerPiecesLett er	\$ java ConnectFourGUI	Re-prompted to enter the number of consecutive pieces to win (between 4	Re-prompted to enter the number of consecutive pieces to win (between 4
Author - team 2	Enter a in the text box when prompted for player 1 name.	- 10 and a whole number.	- 10 and a whole number.
	Enter b in the text box when prompted for player 2 name.		
	Enter "S" when prompted for the number of pieces to necessary to win		
testNonIntegerPiecesSy mbol	\$ java ConnectFourGUI	Re-prompted to enter the number of consecutive pieces to win (between 4	Re-prompted to enter the number of consecutive pieces to win (between 4
Author - team 2	Enter a in the text box when prompted for player 1 name.	- 10 and a whole	- 10 and a whole number.
	Enter b in the text box when prompted for player 2 name.		
	Enter "!" when prompted for the number of pieces to necessary to win		
testLowBoundary3Pieces	\$ java ConnectFourGUI	Please enter a value in the valid range of 4-10.	Please enter a value in the valid range of 4-10.
Author - team 2	Enter a in the text box when prompted for		

	player 1 name.		
	Enter b in the text box when prompted for player 2 name.		
	Enter 3 when prompted for the number of pieces to necessary to win		
testlowBoundary4Pieces	\$ java ConnectFourGUI	8 x 8 Grid appears	8 x 8 Grid appears
Author - team 2	Enter a in the text box when prompted for player 1 name.		
	Enter b in the text box when prompted for player 2 name.		
	Enter 4 when prompted for the number of pieces to necessary to win		
testlowBoundary5Pieces	\$ java ConnectFourGUI	10 x 10 Grid appears	10 x 10 Grid appears
Author - team 2	Enter a in the text box when prompted for player 1 name.		
	Enter b in the text box when prompted for player 2 name.		
	Enter 5 when prompted for the number of pieces to necessary to win		
testHighBoundary10Piec es	\$ java ConnectFourGUI	20 x 20 Grid appears	20 x 20 Grid appears
Author - team 2	Enter a in the text box when prompted for player 1 name.		
	Enter b in the text box when prompted for player 2 name.		

	Enter 10 when prompted for the number of pieces to necessary to win		
testHighBoundary11Piece s	\$ java ConnectFourGUI	Please enter a value in the valid range of 4-10.	Please enter a value in the valid range of 4-10.
Author - team 2	Enter a in the text box when prompted for player 1 name.		
	Enter b in the text box when prompted for player 2 name.		
	Enter 11 when prompted for the number of pieces to necessary to win		
testPlayer1Win5pieces	\$ java ConnectFourGUI	a Won! a Wins: 1	a Won! a Wins: 1
Author - team 2	ethor - team 2 Enter a in the text box	b Wins: 0	b Wins: 0
	when prompted for player 1 name.	Replay button appears	Replay button appears
	Enter b in the text box when prompted for player 2 name.		
	Enter 5 when prompted for the number of pieces to necessary to win		
	Player 1 (a) connects 5 pieces to win.		
testFullColumn	\$ java ConnectFourGUI	Column is full. Choose another column.	Column is full. Choose another column.
Author - team 2	Enter a in the text box when prompted for player 1 name.	and the column.	and the solution.
	Enter b in the text box when prompted for player 2 name.		
	Enter 4 when prompted		

for the number of pieces to necessary to win	
Both players place pieces in column 1 continuously.	