

### Requirement Analysis

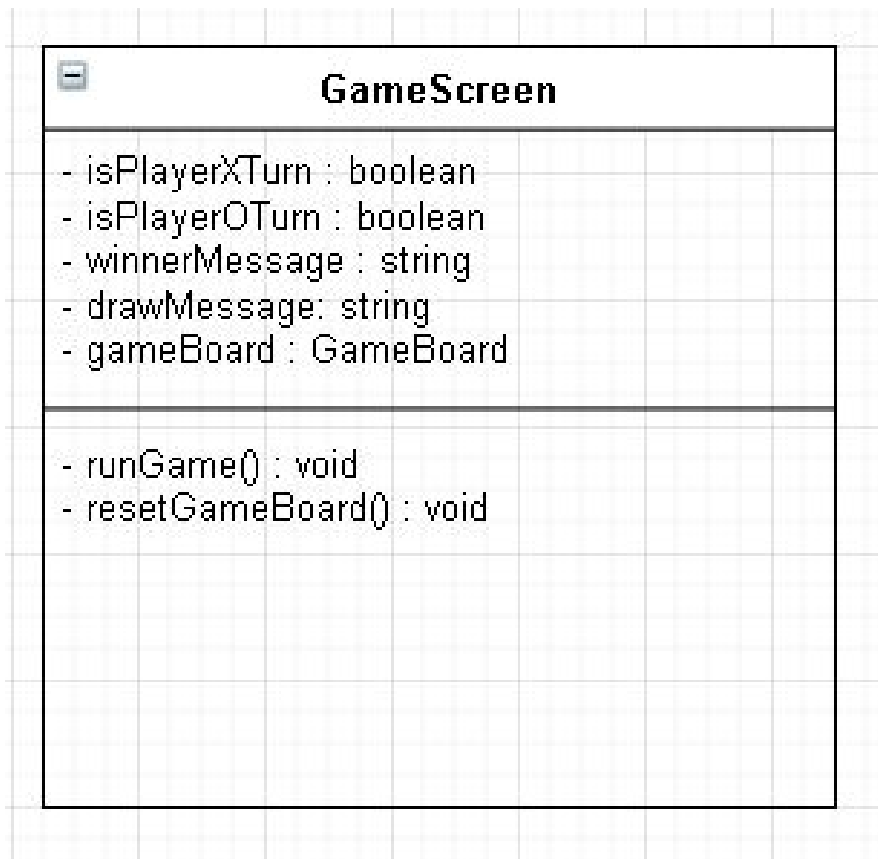
1. As a user I can enter my desired row and column location so my mark can be placed on the board
2. As a user I can play with one more person on the board so I can play with friends
3. As a user I can win the game so I can maybe play again
4. As a user I can tie the game so I can maybe play again
5. As a user I can lose the game so I can restart or play again
6. As a user after I either win lose or tie I can chose to play again or close the game so I can play or go do something else
7. As a user I can see the board printed out so I can determine what my next placement is going to be
8. As a user I can choose to either be X or O by choosing what order I want to go in so that I can be on the side I desire

### Nonfunctional Requirements

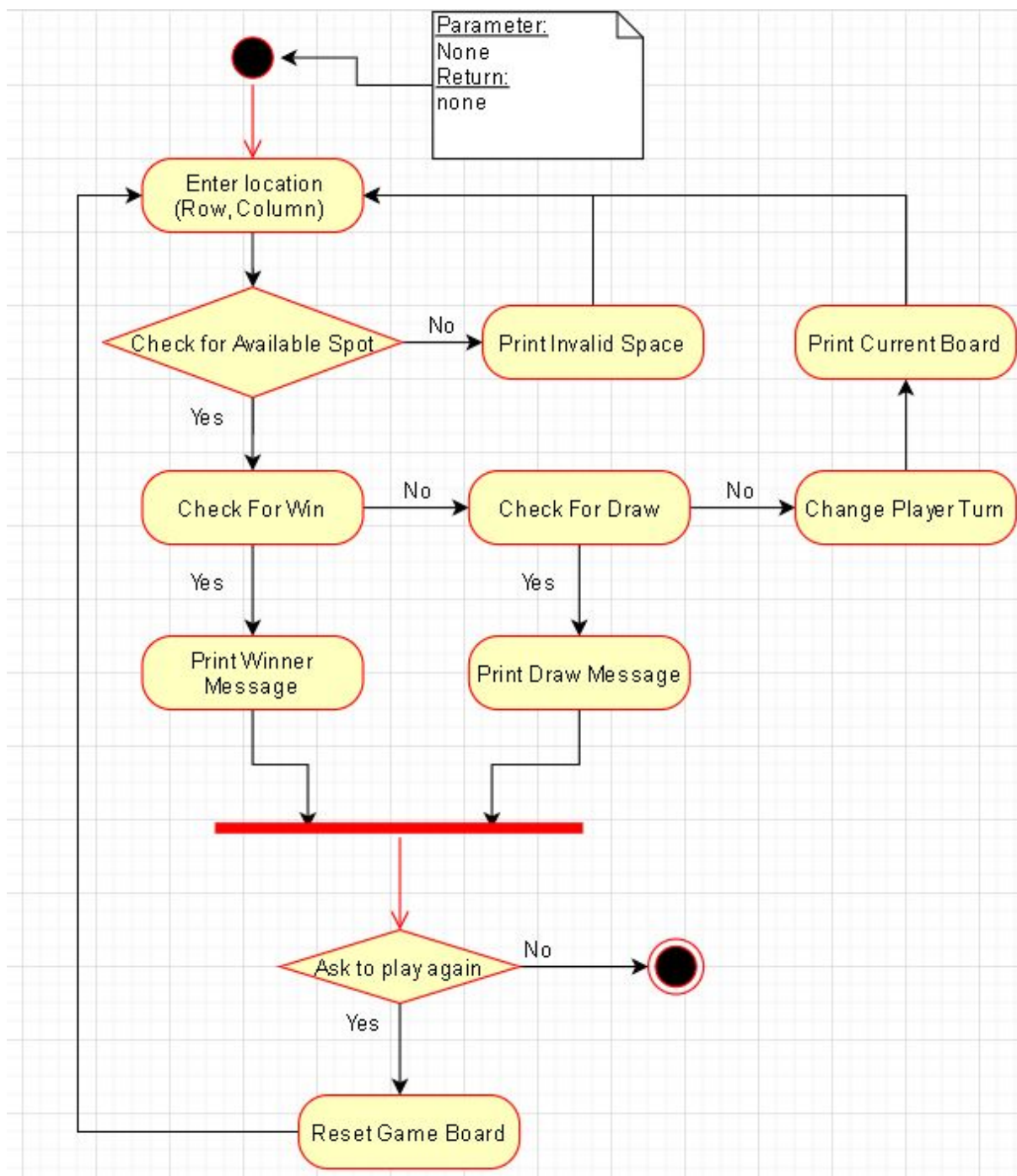
1. Must be written in java
2. Must run on Unix

### Design -

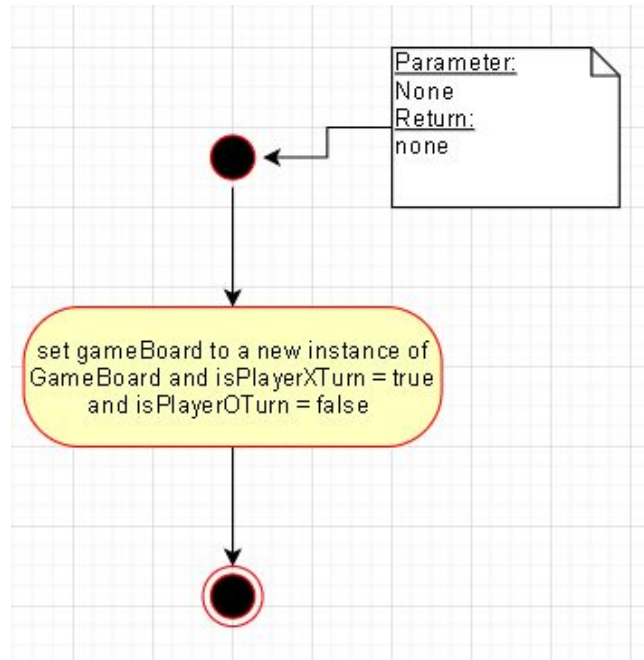
1. Class Diagram of GameScreen



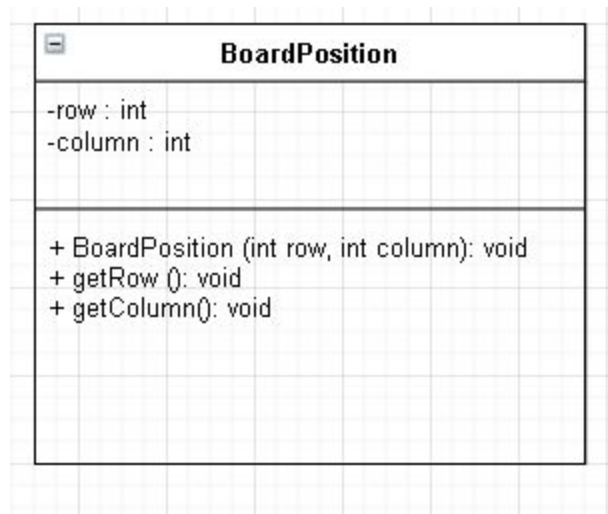
[GameScreen] runGame()



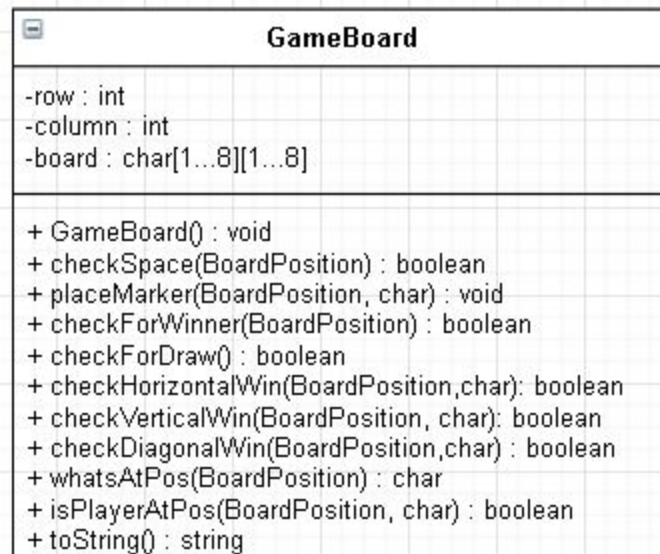
[GameScreen] resetGameBoard()



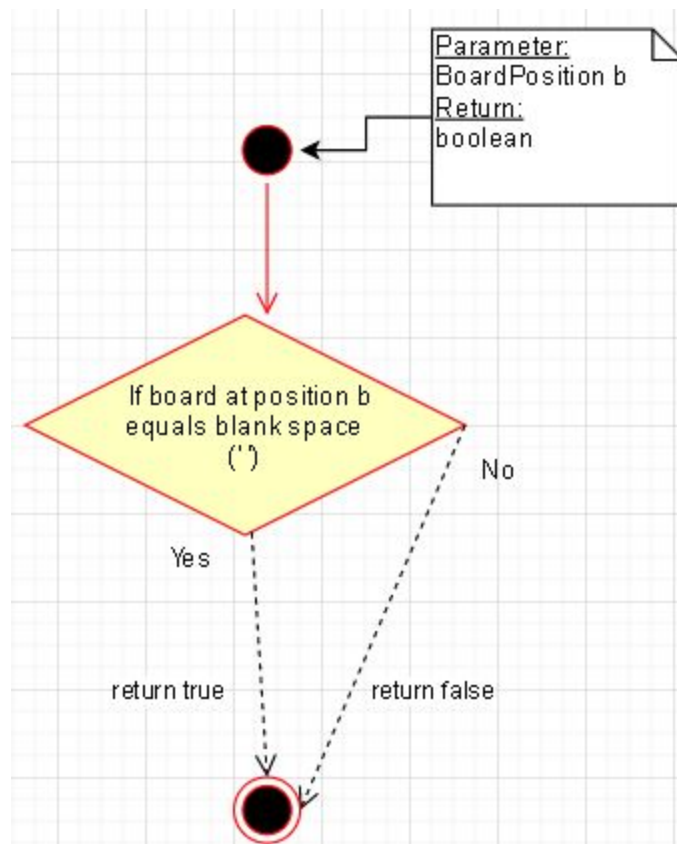
## 2. Class Diagram of BoardPosition



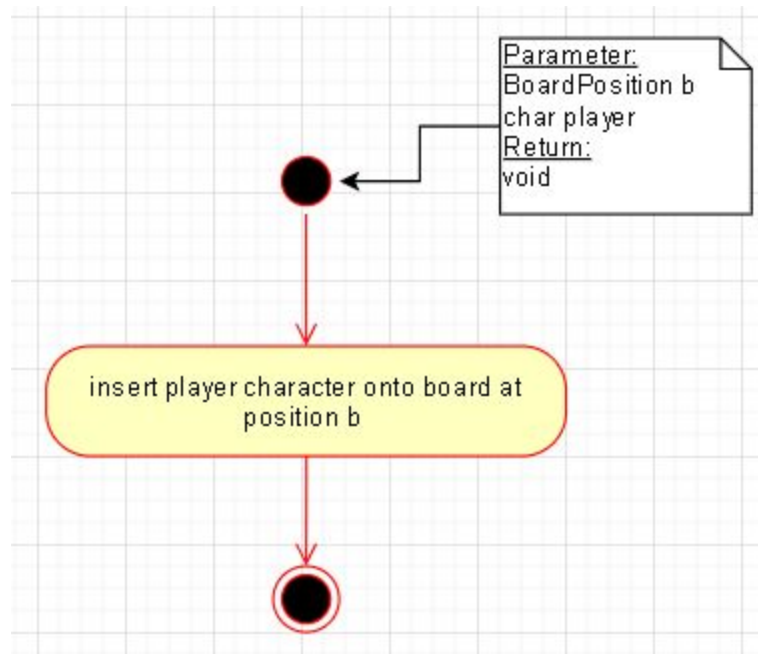
### 3. Class Diagram of GameBoard



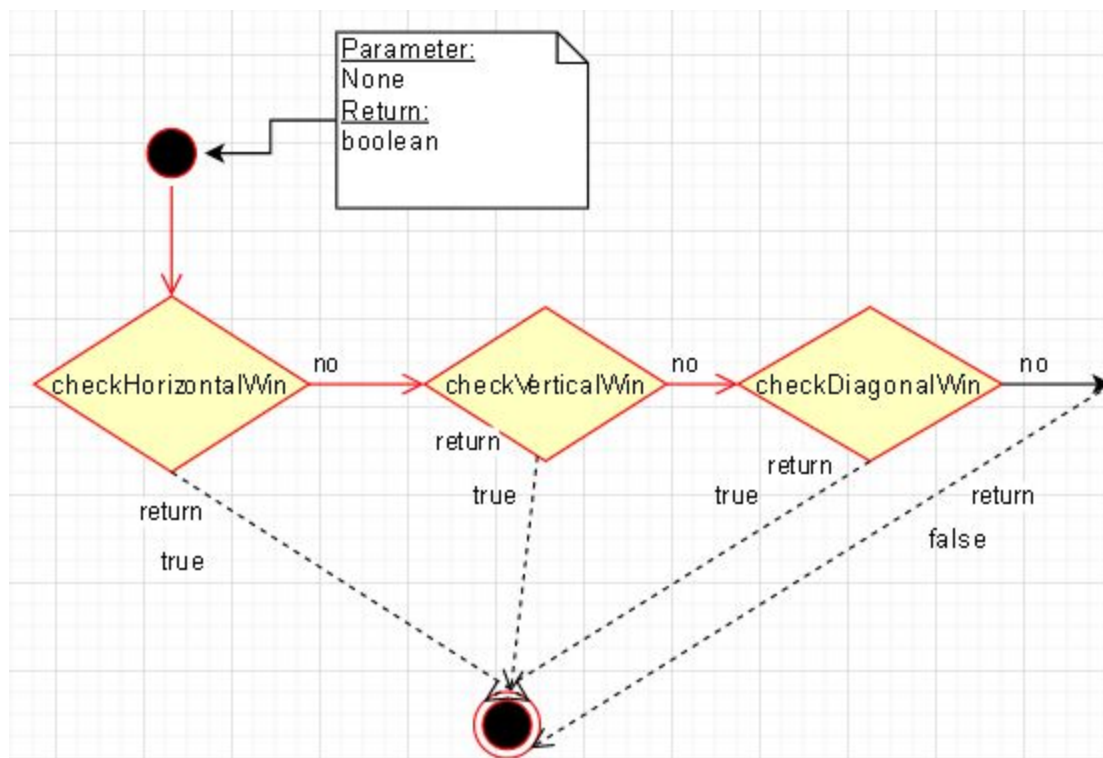
[GameBoard] checkSpace()



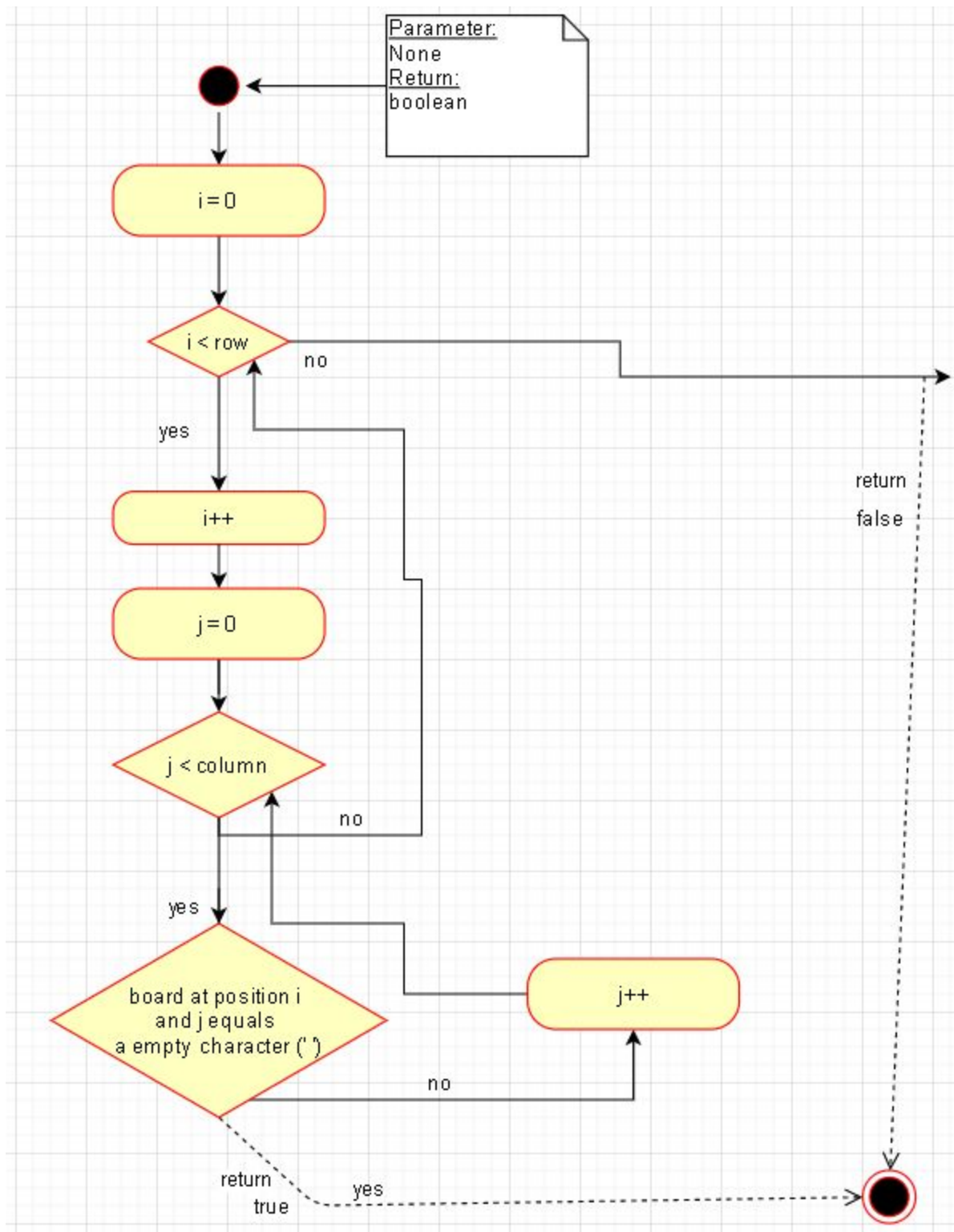
[GameBoard] placeMarker()



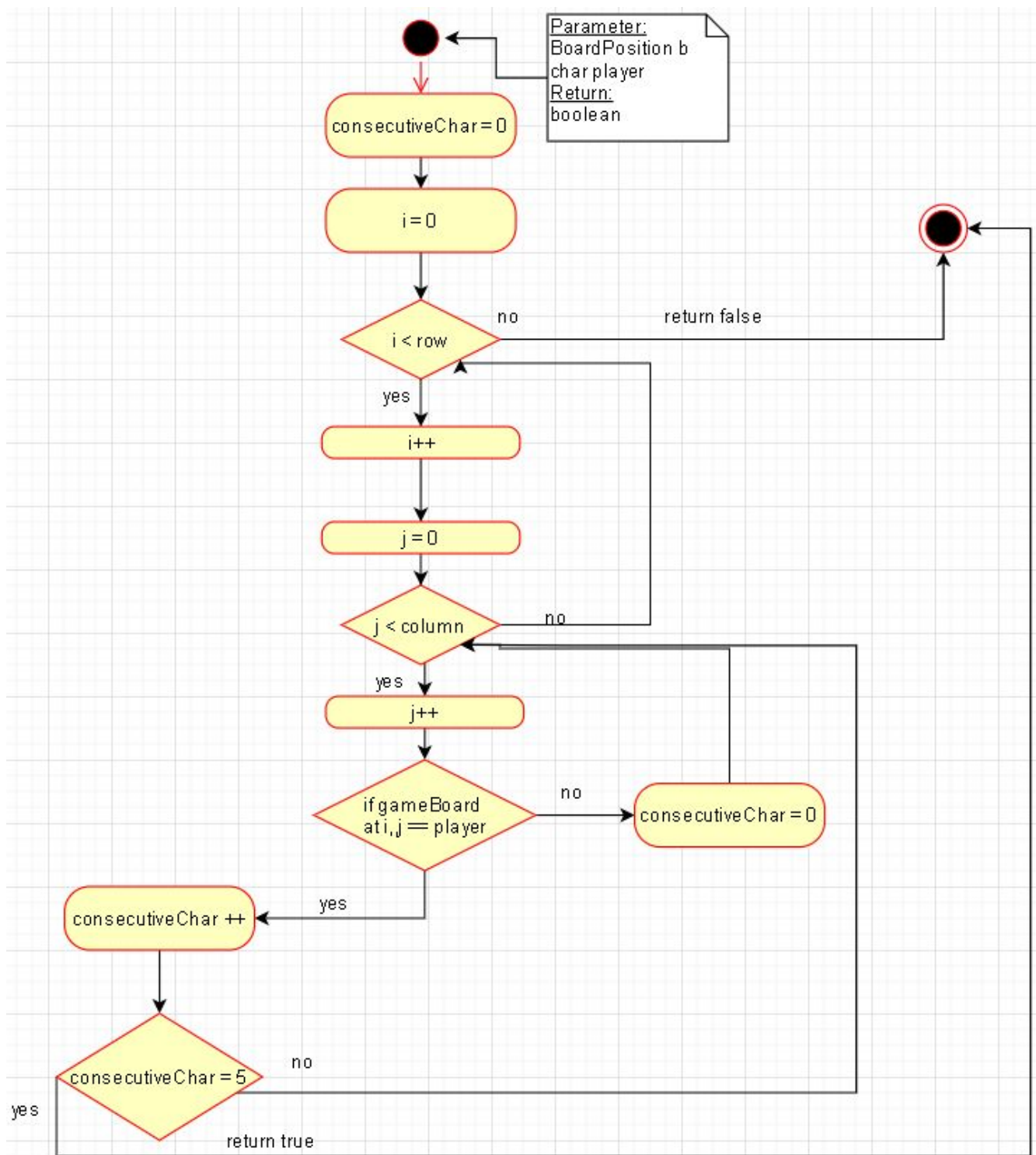
[GameBoard] checkForWinner()



[GameBoard] checkForDraw()

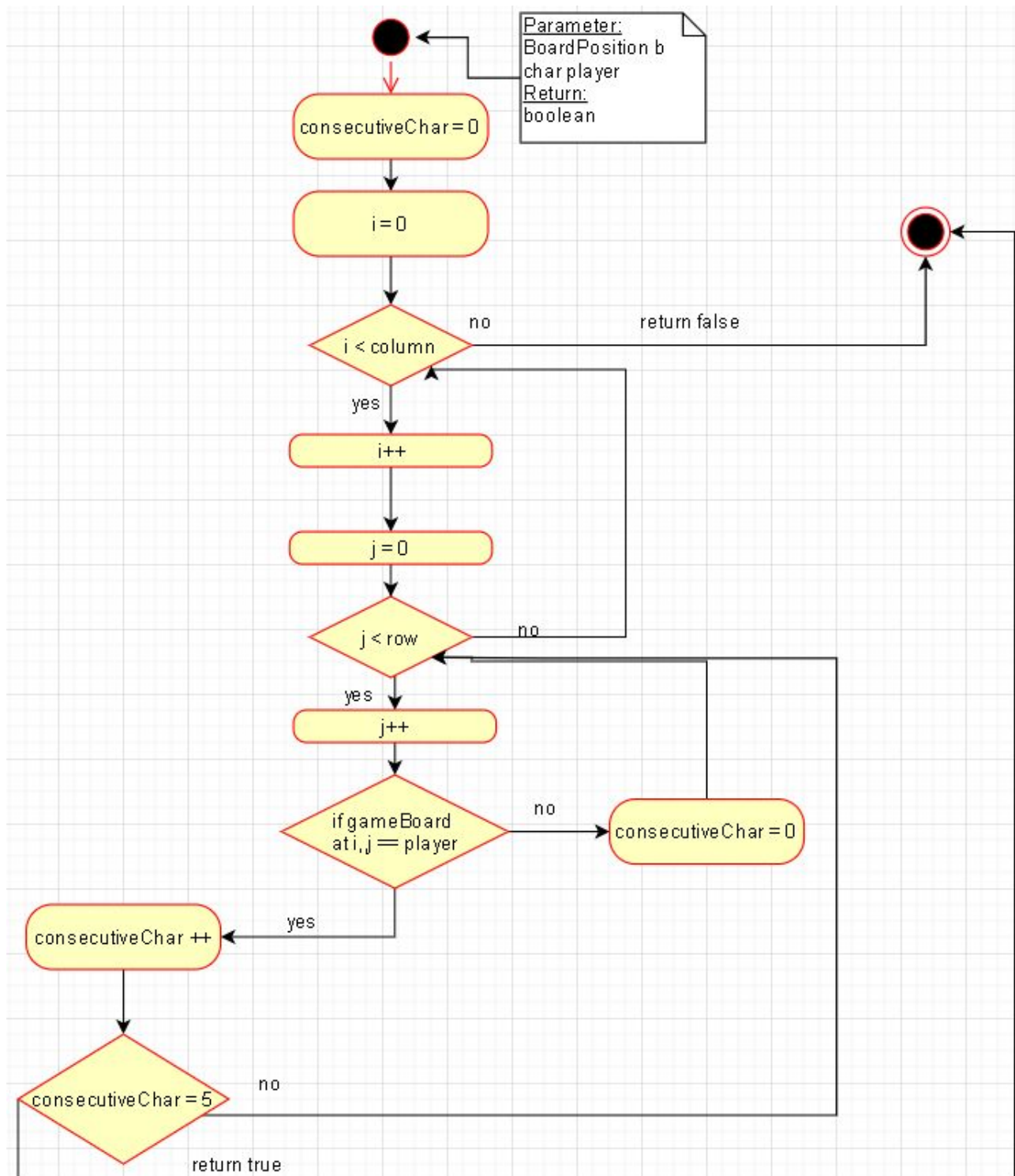


[GameBoard] checkForHorizontalWin()



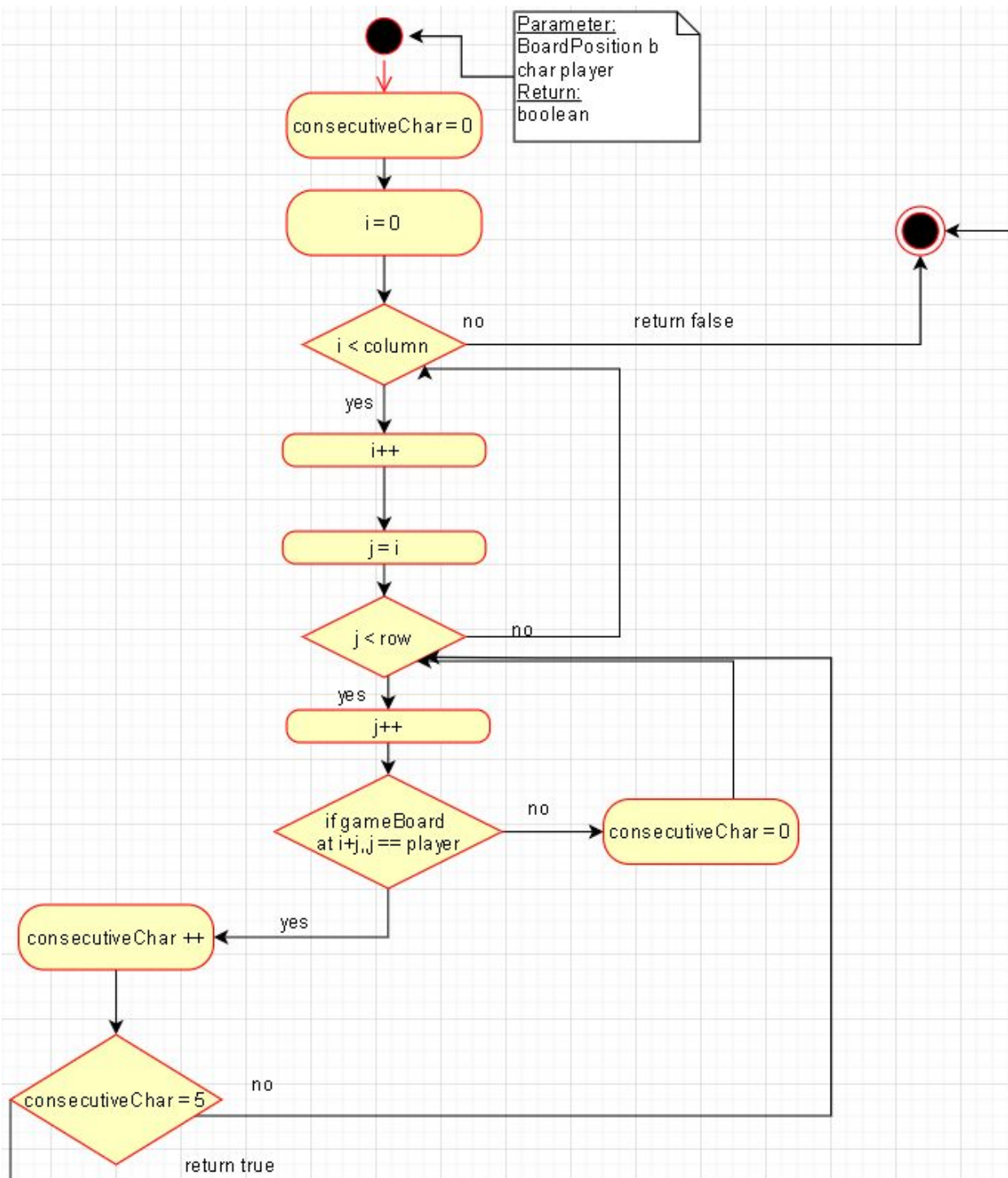


[GameBoard] checkForVerticalWin()

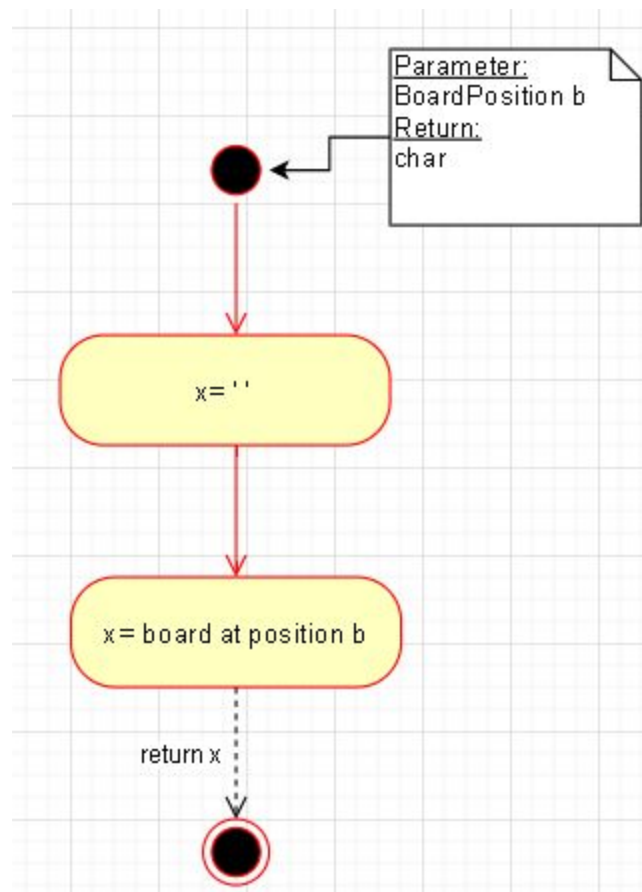




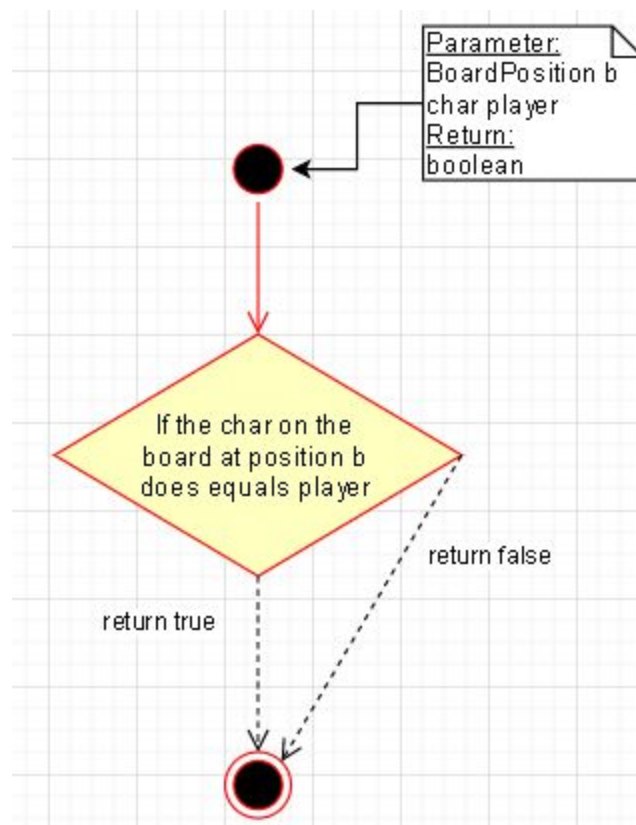
[GameBoard] checkDiagonalWin()



[GameBoard] whatsAtPos()



[GameBoard] isPlayerAtPos()



@override [GameBoard] toString()

