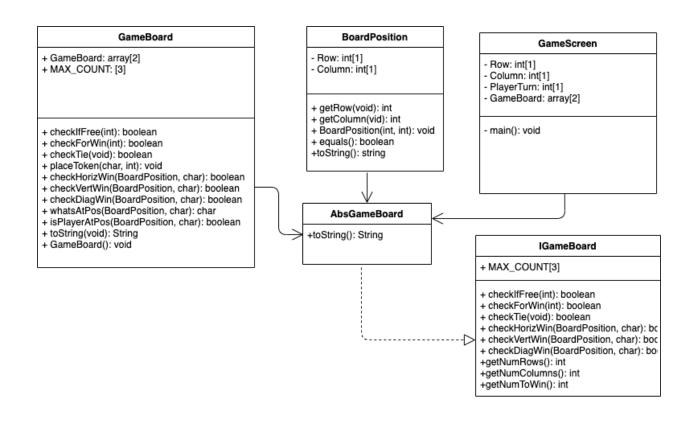
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functional requirements:

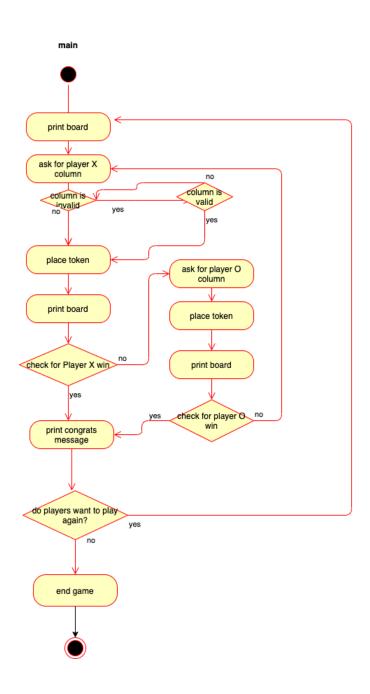
- 1. As a player, I can only place a marker vertically in a column to simulate the connect 4 game.
- 2. As a user, I can only place a marker in 9 columns so I don't lose my turn
- 3. As a player, I cannot place a marker in a column that is already full so the board stays the same.
- 4. As a user, I can win if I have 5 of my markers in a row horizontally.
- 5. As a player, I can win if I have 5 of my markers in a row vertically.
- 6. As a player, I can win if I have 5 of my markers in a row diagonally.
- 7. As a strategist, I can have a tie in the game because all of the columns are full.
- 8. As the user, I can alternate between players so each player can have a turn.
- 9. As a player, I can see whose turn it is so I know who is supposed to pick a column
- 10. As a connect-4 pro, I can pick which column to place my marker so I know which spot I played.
- 11. As a player, I cannot pick a spot outside of the bounds of the board or I will get an error message.
- 12. As a player, I can see if I have won by looking if I have 4 in a row.
- 13. As a player, I can play again once the game has ended.
- 14. As a player, I can enter an integer value to say which column I have selected.
- 15. As a player, I cannot enter a value over 9 since there are only 9 columns.
- 16. As a player, X will start the game so it is consistent every game.
- 17. As a player, the board will keep track of all of the markers so I can see which positions are filled.

non-functional requirements

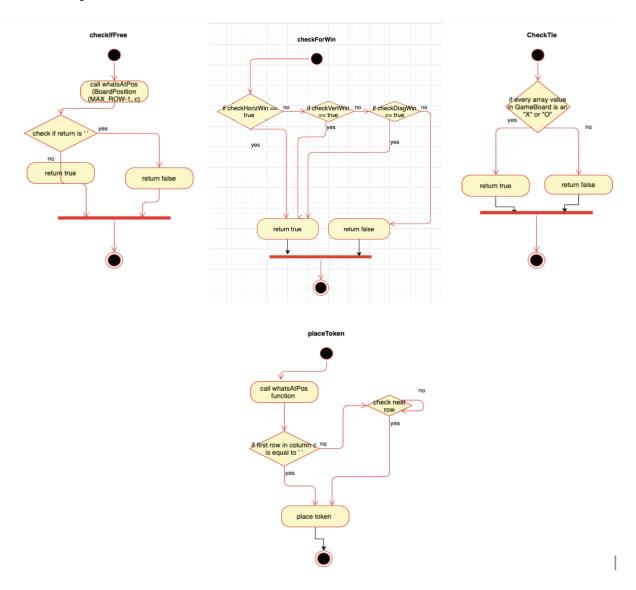
- 1. The system must be coded in Java
- 2. o,o is the bottom left corner of the board
- 3. 6x9 game board size
- 4. player X goes first
- 5. The system must run on Unix
- 6. Do not use magic numbers
- 7. use good comments
- 8. write contracts
- 9. make a program report
- 10. make UML class diagrams
- 11. make UML activity diagrams
- 12. write code for functions



GameScreen.java



GameBoard.java



CheckDiagWin

