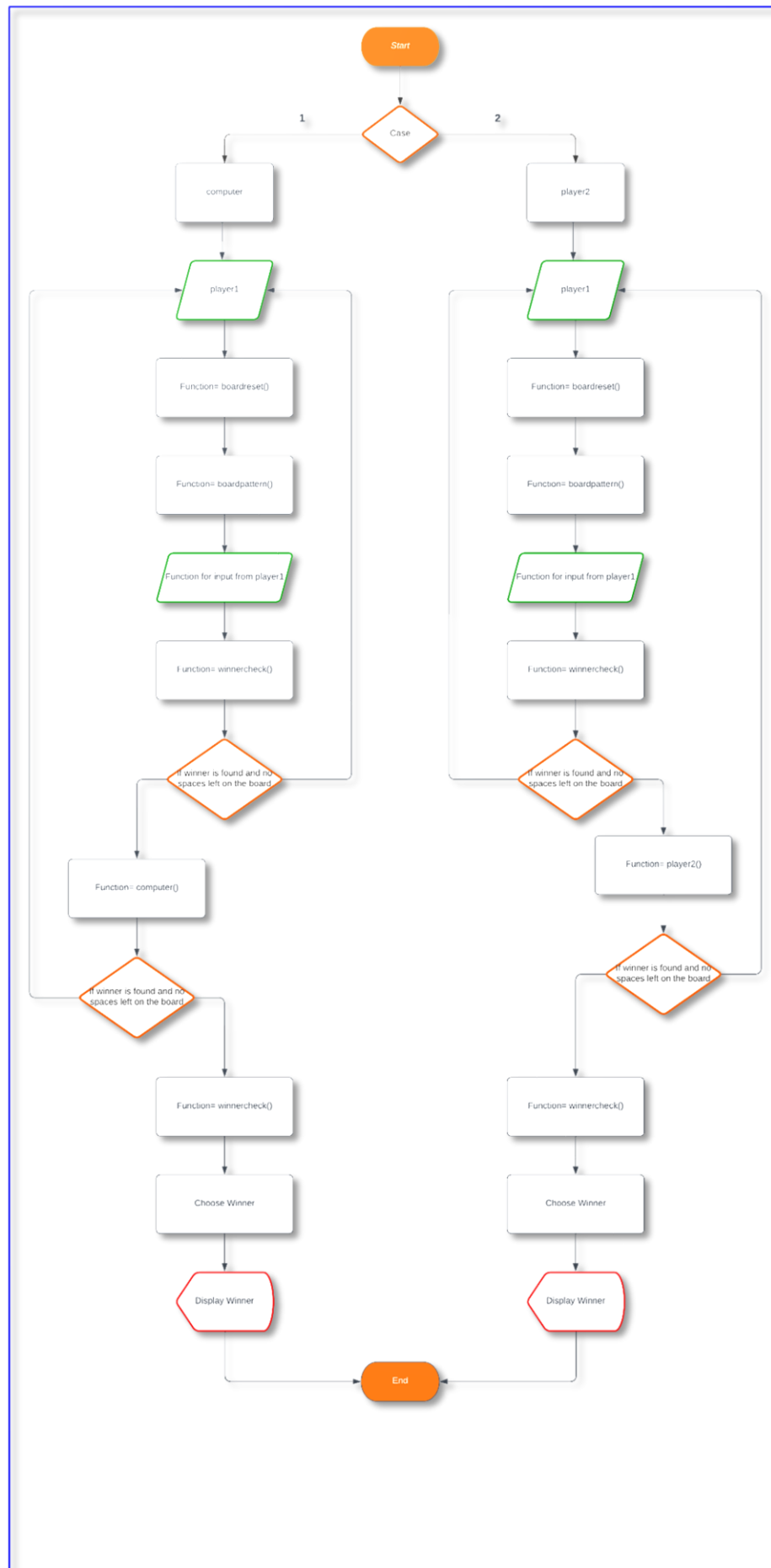


Term project
Report
Game: Tic Tac Toe

Flowchart:



Pseudocode:

- 1) Game starts
- 2) Player gets an option to play against the **computer** or **player2**.
- 3) The **player1** has to give "a" as an input to play against the **computer** or "b" to play against **player2**.
- 4) Case 1:
- 5) The user gives "a" as an inputs.
- 6) Call upon the **boardreset** function.
- 7) **While** (There are no winners and **openspaces** are zero)
- 8) Call **boardpattern** function.
- 9) Call player function.
- 10) This allows the player to make any move on the board.
- 11) We call the **winnercheck** function inside the winner variable.
- 12) After **player1** move **if** (winner does not equal to **openspaces** on the board or there's no **openspaces** left on the board)
- 13) Then **break** the loop}
- 14) **Else**, the **computer** makes a move.
- 15) Call **computer** function.
- 16) Again **if** (the winner does not equal to **openspaces** on the board or there's no **openspaces** left on the board)
- 17) {Break the loop}
- 18) We call the **boardpattern** function which can be used to print the last state of the board.
- 19) Then we call the **winnercheck** function to check who won the game.
- 20) Case 2:
- 21) We play against **player2**.
- 22) We call the **boardreset** function.
- 23) Then we create a loop which runs until there's no **openspaces** left on the board or until a winner is decided.
- 24) Then we call the **boardpattern** function.
- 25) We call the **player1** function which allows the player1 to make a move.
- 26) Then we call the **winnercheck** function inside the winner variable.
- 27) **if** (After player1's moves there are no winners and there are no more openspaces left)
- 28) Then **break** the loop.
- 29) Else we call the **player2** function which allows the player2 to make a move.
- 30) **If** (Again after player2's moves there are no winners and there's no more openspaces left)
- 31) {Break the loop}
- 32) Else we call **boardpattern** function which allows us to print last state of board.
- 33) Then we call the **winner** function which announces the winner.