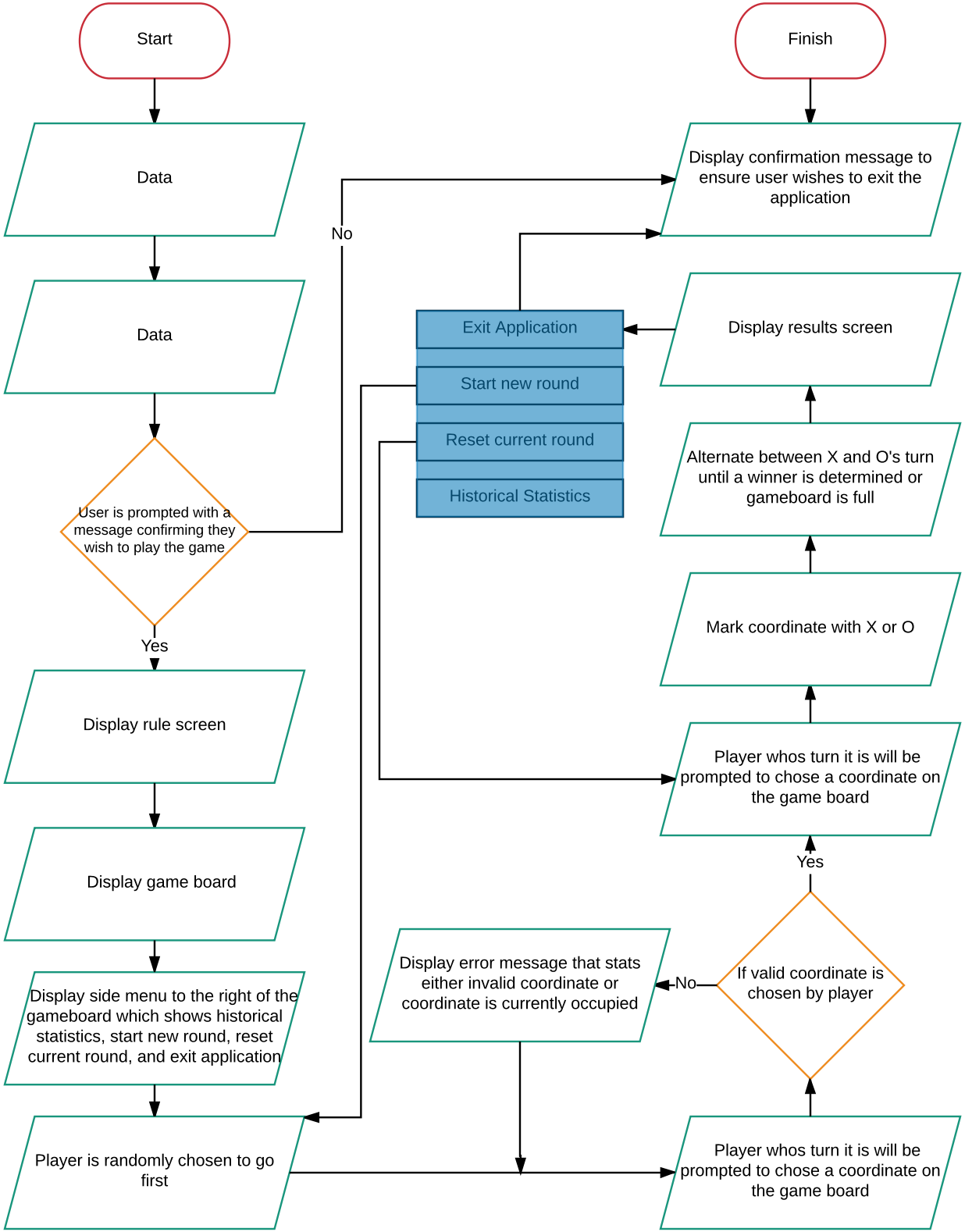
Start
Data
Data
User is prompted with a message confirming they wish to play the game
No
Yes
Display rule screen
Display game board
Display side menu to the right of the gameboard which shows historical statistics, start new round, reset current round, and exit application
Player is randomly chosen to go first
Exit Application
Start new round
Reset current round
Historical Statistics
Display confirmation message to ensure user wishes to exit the application
Finish
Display results screen
Alternate between X and O's turn until a winner is determined or gameboard is full
Mark coordinate with X or O
Player whos turn it is will be prompted to chose a coordinate on the game board
Yes
If valid coordinate is chosen by player
No
Display error message that stats either invalid coordinate or coordinate is currently occupied
Player whos turn it is will be prompted to chose a coordinate on the game board