

Board	
<ul style="list-style-type: none"> • Display the grid of the board on the screen • Display the numbers and letters for each intersection on the screen • Store each of the pieces on the screen • Check if each move is legal before accepting a move by using the rules class • Keep track of who the current player is so that the AI can query the board • Return a game state of the board after a certain move is applied • Store all of the legal possible moves by using the rules class • Check if a player has won the game in a given board state 	<ul style="list-style-type: none"> • Piece • Go Rules • Monte Carlo Class • Game class

Piece	
<ul style="list-style-type: none"> • Store the position of the piece on the board • Store the colour of the piece • Display the representation of the piece on the screen 	<ul style="list-style-type: none"> • Colour • Board

Colour	
<ul style="list-style-type: none"> • Store the colour of a piece on the screen • Store as an empty colour if the piece has not been placed yet 	<ul style="list-style-type: none"> • Piece

player_turn	
<ul style="list-style-type: none"> • Store who's turn it is supposed to be 	<ul style="list-style-type: none"> • Main file that runs the game loop

Go Rules

- Return if a move is legal
- Go through each rule and check that a move complies by it
- Be able to find all of the places on the board where a legal move can be played so that the ai is able to make a move

- Piece
- Board

Monte Carlo Tree

- Calculate the best move from the current position
- Play out random games from the current position to try and find the best move
- Store all of the previous game states to be able to remember what the best move was

- Board

Game

- Run the game loop
- Check for inputs from the user
- Display the UI
- Make sure that the correct screen is being displayed, eg. Main menu, game and game over
- Render the Game board
- Alter who's turn it is after each move

- Board
- Piece
- Main function