1. Start Game

☐ call setupBoard()
- create the 10x10 (2D list) filled with (.)
- Randomly place ~~the~~ NUM_SHIPS = 5 (S) in chosen positions

☐ call drawBoard (board) to display the board

2. Game Loop (need to repeat until all ships sunk)
while isGameOver(board) is false:

☐ Prompt user input
- Ask user to enter a column number (x)
  - if X is out of range x < 0 or x >= 10 print "Invalid column" & reprompt

  → repeat for Y
    except if out of range:
    print "Invalid Row"

3. Check if guess is hit or MISS:

☐ call checkHit(i+0<miss(board, Y, X) which:
- if board Y X == S replace w/ X return HIT
- if board Y x == X return "HIT" (already sunk)
- otherwise, replace board Y X win 'O' and return "MISS"

4. Display the result ("HIT" or "MISS")

5. update the board:
- call drawBoard (board) to show new board state

6. Check if the game is over:

☐ call isGameOver(board), which:
- Loops through the board
  - if any S is found, return false (game continues)
- if no S remains, return True (all ships are sunk)

7. If the game is over, print "Game over!" and exit loop