

```

1 package project2;
2
3 import javax.swing.*;
4
5 public class SuperTicTacToe {
6
7     private static int size;
8     private static int timeLimit;
9
10    public static void main (String[] args)
11    {
12        JFrame frame = new JFrame ("Super TicTacToe");
13        frame.setDefaultCloseOperation (JFrame.EXIT_ON_CLOSE);
14
15        int height = 3;
16        int width = 3;
17        int connections = 3;
18        boolean isError;
19        String temp = "";
20        Boolean AI = true;
21        do {
22            isError = false;
23            try {
24                do {String s = JOptionPane.showInputDialog(null,
25                    "Enter the height of the board:");
26                    if (s == null)
27                        throw new NullPointerException();
28                    height = Integer.parseInt(s);
29                } while (height < 3 || height > 15);
30
31                do {
32
33                    String s = JOptionPane.showInputDialog(null,
34                        "Enter the width of the board:");
35                    if (s == null)
36                        throw new NullPointerException();
37                    width = Integer.parseInt(s);
38                } while (width < 3 || width > 15);
39
40                int minConnections = 3;
41                if (height > 3 && width > 3)
42                    minConnections = 4;
43                do {
44                    String s = JOptionPane.showInputDialog(null,
45                        "How many in a row to win?");
46                    if (s == null)
47                        throw new NullPointerException();
48                    connections = Integer.parseInt(s);
49                } while (connections > width || connections > height
50                    || connections < minConnections);
51
52                temp = JOptionPane.showInputDialog (null,
53                    "Who starts first? X or O");
54                if (temp == null)
55                    throw new NullPointerException();
56            } catch (NumberFormatException e) {

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57         isError = true;
58     } catch (NullPointerException n){
59         System.exit(0);
60     }
61 } while(isError);
62
63 if (!temp.toUpperCase().equals("O") && !temp.toUpperCase().equals("X"))
64     JOptionPane.showMessageDialog(null,
65         "X has been used by default");
66
67 Cell starter = (temp.toUpperCase().equals("O")) ? Cell.O : Cell.X;
68
69 AI = JOptionPane.showConfirmDialog(null,
70     "Would you like to play an AI?", "AI", JOptionPane.YES_NO_OPTION)
71     == JOptionPane.YES_OPTION;
72 SuperTicTacToePanel panel = new SuperTicTacToePanel(height, width,
73     connections, starter, AI);
74 frame.getContentPane().add(panel);
75
76 frame.setSize((width+1)*70,(height+1)*70);
77 frame.setVisible(true);
78 }
79
80
81 }
82
83
```