

## App.js

```
1 // Responsive noughts and crosses UI
2
3 // Start
4 // Import React from the react package
5 import React from 'react';
6
7 // Import the StatusBar component from expo-status-bar package
8 import { StatusBar } from 'expo-status-bar';
9
10 // Import components from react-native for building the UI
11 import { StyleSheet, Text, View, SafeAreaView } from 'react-native';
12
13 // Define the default export function 'App'
14 export default function App()
15 {
16   return (
17     // Main container view with styles applied
18     <View style={styles.container}>
19       {/* SafeAreaView ensures the content is within the safe area boundaries of a device */}
20       <SafeAreaView>
21         {/* Grid container view with styles applied */}
22         <View style={styles.grid}>
23           {/* Row 1 */}
24           <View style={styles.row}>
25             {/* Cell 1 in Row 1 with 'O' mark */}
26             <View style={styles.cell}><Text style={[styles.mark, styles.markO]}>O</Text>
27           </View>
28             {/* Cell 2 in Row 1 with 'O' mark */}
29             <View style={styles.cell}><Text style={[styles.mark, styles.markO]}>O</Text>
30           </View>
31             {/* Cell 3 in Row 1 with 'X' mark */}
32             <View style={styles.cell}><Text style={[styles.mark, styles.markX]}>X</Text>
33           </View>
34         </View>
35         {/* Row 2 */}
36         <View style={styles.row}>
37           {/* Cell 1 in Row 2 with 'X' mark */}
38           <View style={styles.cell}><Text style={[styles.mark, styles.markX]}>X</Text>
39         </View>
40           {/* Cell 2 in Row 2 with 'O' mark */}
41           <View style={styles.cell}><Text style={[styles.mark, styles.markO]}>O</Text>
42         </View>
43           {/* Cell 3 in Row 2 with 'O' mark */}
44           <View style={styles.cell}><Text style={[styles.mark, styles.markO]}>O</Text>
45         </View>
46         </View>
47         {/* Row 3 */}
48         <View style={styles.row}>
49           {/* Cell 1 in Row 3 with 'X' mark */}
50           <View style={styles.cell}><Text style={[styles.mark, styles.markX]}>X</Text>
51         </View>
52           {/* Cell 2 in Row 3 with 'X' mark */}
```

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46     <View style={styles.cell}><Text style={[styles.mark, styles.markX]}>X</Text>
</View>
47     { /* Cell 3 in Row 3 with 'O' mark */}
48     <View style={styles.cell}><Text style={[styles.mark, styles.markO]}>O</Text>
</View>
49     </View>
50   </View>
51   { /* StatusBar component to control the app's status bar appearance */}
52   <StatusBar style="auto" />
53   </SafeAreaView>
54   </View>
55   );
56 }
57
58 const styles = StyleSheet.create({
59   container:
60   {
61     flex: 1, // Take up the full height of the screen
62     backgroundColor: '#fff', // Set background color to white
63     justifyContent: 'center', // Centers the grid vertically
64     alignItems: 'center', // Centers the grid horizontally
65   },
66   grid:
67   {
68     width: '90%', // Responsive width, 90% of the screen width
69     aspectRatio: 1, // Ensures the grid is square
70   },
71   row:
72   {
73     flex: 1, // Each row takes up equal space within the grid
74     flexDirection: 'row', // Each row contains 3 cells side by side
75   },
76   cell:
77   {
78     flex: 1, // Each cell takes up equal space within a row
79     borderWidth: 2, // Border for visual clarity
80     borderColor: '#000', // Black border color
81     justifyContent: 'center', // Centers the X or O within the cell vertically
82     alignItems: 'center', // Centers the X or O within the cell horizontally
83     margin: 5, // Margin between cells
84   },
85   mark:
86   {
87     fontSize: 50, // Large font size for X and O
88     fontWeight: 'bold', // Bold styling for X and O
89   },
90   markX:
91   {
92     color: 'red', // Red color for X
93   },
94   markO:
95   {
96     color: 'green', // Green color for O
97   }

```

```
98 | });  
99 | // End
```