

Let's make a todo list app with React Native!

Components and styling!

Nathaniel Budijono

UMN ADC

February 1, 2022



Developer mixer this Thursday, Feb 3 from 6-7pm at Tate Hall 120! Meet potential collaborators!

If you're here in person, feel free to get food!

Officer openings!

- Workshop instructors

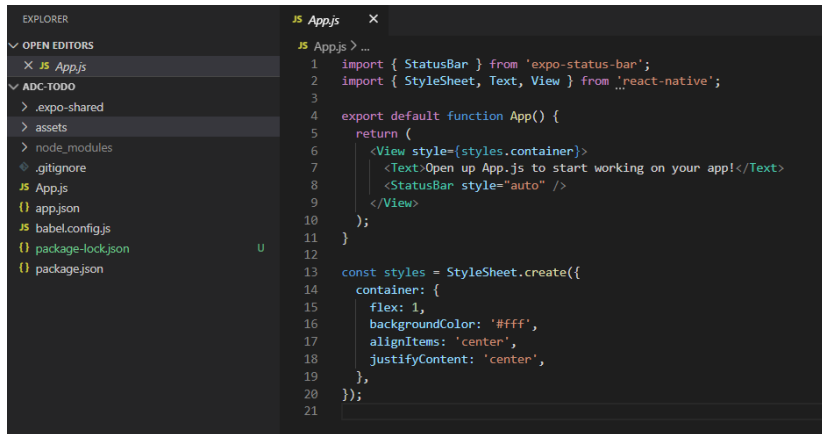
DM us on the discord!

<https://z.umn.edu/ADCdiscord>

We will be following this guide:

<https://github.com/ADC-UMN/todotutorial>. Feel free to go ahead of the workshops at your own pace.

What we're starting with



The screenshot shows the VS Code interface. On the left, the Explorer sidebar displays the project structure: 'OPEN EDITORS' with 'App.js' open, 'ADC-TODO' folder, and files like '.expo-shared', 'assets', 'node_modules', '.gitignore', 'App.js', 'app.json', 'babel.config.js', 'package-lock.json', and 'package.json'. The main editor area shows the content of 'App.js' with the following code:

```
JS App.js X
JS App.js > ...
1  import { StatusBar } from 'expo-status-bar';
2  import { StyleSheet, Text, View } from 'react-native';
3
4  export default function App() {
5    return (
6      <View style={styles.container}>
7        <Text>Open up App.js to start working on your app!</Text>
8        <StatusBar style="auto" />
9      </View>
10    );
11  }
12
13  const styles = StyleSheet.create({
14    container: {
15      flex: 1,
16      backgroundColor: '#fff',
17      alignItems: 'center',
18      justifyContent: 'center',
19    },
20  });
21
```

Imports

- `Text`
- `View`
- `FlatList`
- `Button`
- `TextInput`
- `StyleSheet`
- `AsyncStorage`
- `ActivityIndicator`

Class component boilerplate

```
export default class App extends React.Component { ... }
```

Class component boilerplate

```
export default class App extends React.Component { ... }
```

Now let's implement render()!

Constructor and props

Let's look at the documentation to plan out our constructor and how we use our components: <https://reactnative.dev/docs/components-and-apis>

Constructor and props

Let's look at the documentation to plan out our constructor and how we use our components: <https://reactnative.dev/docs/components-and-apis>

- FlatList

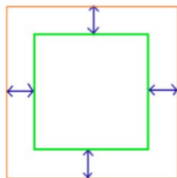
Constructor and props

Let's look at the documentation to plan out our constructor and how we use our components: <https://reactnative.dev/docs/components-and-apis>

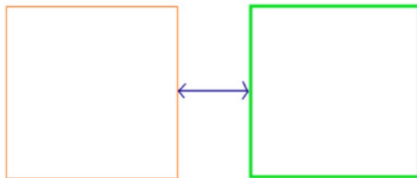
- `FlatList`
- `TextInput` for next workshop!

Let's explore styling in React Native! <https://reactnative.dev/docs/style>

Let's explore styling in React Native! <https://reactnative.dev/docs/style>

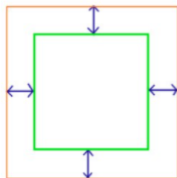


Padding

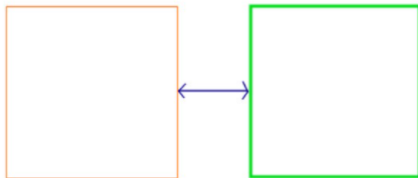


Margin

Let's explore styling in React Native! <https://reactnative.dev/docs/style>



Padding



Margin

Flex is also quite confusing... <https://reactnative.dev/docs/flexbox>