

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

State manipulation!

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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

```
JS App.js X
JS App.js > styles
1 import * as React from 'react';
2 import { Text, View, FlatList, Button, TextInput, StyleSheet, AsyncStorage, ActivityIndicator } from 'react-native';
3
4 export default class App extends React.Component {
5   constructor(props) {
6     super(props);
7     this.state = {
8       tasks: [{ text: "Start by adding a task!" }],
9       text: ""
10    };
11  }
12
13  render() {
14    return (
15      <View>
16        <Text style={styles.title}>Todo List</Text>
17        <FlatList
18          style={styles.list}
19          data={this.state.tasks}
20          renderItem={ ({item, index}) =>
21            <View style={styles.item}>
22              <Text style={styles.item}>{item.text}</Text>
23            </View>
24          }
25        </FlatList>
26        <TextInput
27          style={styles.item}
28          placeholder="Type to add a task!"
29        </TextInput>
30      </View>
31    );
32  }
33 }
```

- 1 Ability to add items

Goals

- 1 Ability to add items
- 2 Ability to delete items

- `TextInput` <https://reactnative.dev/docs/textinput>
 - `onChangeText`
 - `onSubmitEditing`
 - `returnKeyLabel`
 - `returnKeyType`

- `TextInput` <https://reactnative.dev/docs/textinput>
 - `onChangeText`
 - `onSubmitEditing`
 - `returnKeyLabel`
 - `returnKeyType`
- `Button` <https://reactnative.dev/docs/button>
 - `onPress`

Updating the state

- 1 Write `updateText()`

Updating the state

- 1 Write `updateText()`
- 2 Assign the `onChangeText` prop

Adding tasks

- 1 Write `addTask()`

Adding tasks

- 1 Write `addTask()`
- 2 Assign the `onSubmitEditing` prop

Adding tasks

- 1 Write `addTask()`
- 2 Assign the `onSubmitEditing` prop
- 3 Assign the `returnKeyLabel` and `returnKeyType` props

Deleting tasks

- 1 Write `deleteTask()`

Deleting tasks

- 1 Write `deleteTask()`
- 2 Assign the `onPress` prop