

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

## AsyncStorage!

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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 > App > deleteTask
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  updateText = (text) => {
14    this.setState({ text: text });
15  }
16
17  addTask = () => {
18    let isEmpty = this.state.text.trim().length == 0;
19
20    if (!isEmpty) {
21      this.setState(
22        (prevState) => {
23          let { tasks, text } = prevState;
24
25          return {
26            tasks: tasks.concat({ index: tasks.length, text: text }),
27            text: ""
28          };
29        }
30      );
31    }
32  }
33}
```

- 1 Ability to have the state of the app persist between sessions

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<https://reactnative.dev/docs/asyncstorage>

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- Use a community package instead  
<https://react-native-async-storage.github.io/async-storage/>



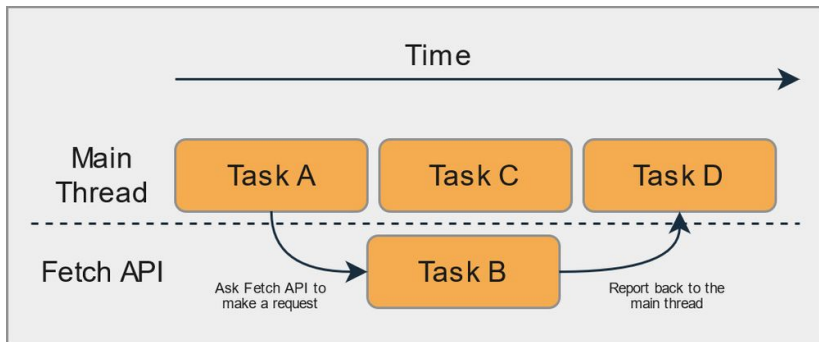
# What is Async?

Asynchronous

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Callbacks, Promises, Async/Await

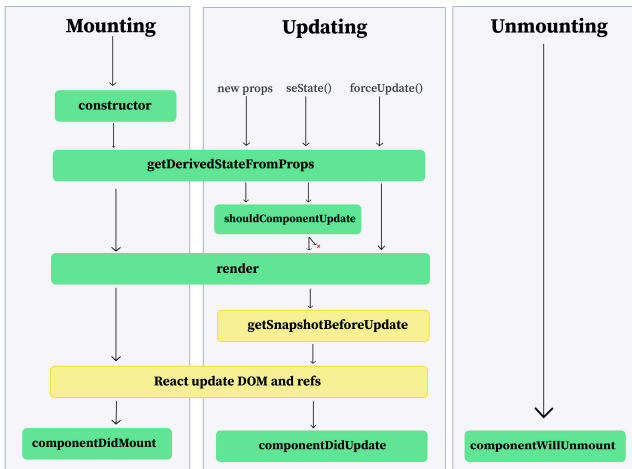


# Read from AsyncStorage

- 1 Write a `componentDidMount()`

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## React Component Lifecycle



# Write to AsyncStorage

## 1 Modify addTask()

# Write to AsyncStorage

- 1 Modify `addTask()`
- 2 Modify `deleteTask()`