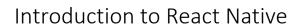


**Introduction to React Native** 





# **CONTENT**

CONTENT	1
GETTING STARTED & THE MOVING PARTS	2
INITIAL CONCEPTS	2
CORE CONCEPTS	3
ADDITIONAL RESOURCES	4
FXERCISE	Δ



## **GETTING STARTED & THE MOVING PARTS**

<u>Getting Started</u> – Initial steps that get a project going right away. The preferred approach for beginners is the 'Quick Start' tab.

Redux, Redux Explained – A predictable state container library for JavaScript applications and YouTube series explaining the Redux with React usage and specifics.

<u>Create React Native App</u> – The library that caters for the project bootstrapping. Basically, it manages the bulk of the configurations behind the scenes and integrates Expo support at the same time.

<u>Expo IOS</u>, <u>Expo Android</u> – Expo client for both IOS and Android. Expo is a toolset that upgrades the out-of-the-box React Native functionalities. It also has a mobile application that is used during development for live previews of the codebase, debugging, profiling, inspecting, etc.

<u>ES6</u> – Key points regarding the latest JavaScript related ES6(ES2015) standard that is actively being used in React Native development.

<u>Yarn</u> – The Yarn package manager that is a generally better version of the Node's NPM package manager. Feel free to use 'yarn' instead of 'npm' where applicable.

VS Code – The editor of choice for many React Native developers.

### **INITIAL CONCEPTS**

<u>Tutorial</u> – A short tutorial article providing a high-level overview of React Native with some sample boilerplate code. Following that article is a bunch of helpful pages that outline the core components of React Native. Pay additional attention to the following segments:

Props - Props explained

State – State explained

Style – Style explained

Handling Touches – Touches explained

Networking – Networking explained



#### **CORE CONCEPTS**

<u>Guides</u> – Series of guides that provide information regarding various topics ranging from components handling to performance improvements and deployments.

<u>Flexbox explained</u> – YouTube series explaining the Flexbox usage and specifics.

List of some of the key components in React Native:

```
Button – Buttons
```

Flat List – Scrollable lists of similar data

<u>Image</u> – Images

<u>Scroll View</u> – Scrollable view

<u>Switch</u> – Switches/Toggles

<u>Text</u> – Text handling

**Text Input** – Text inputs

<u>Touchable Highlight</u> – Touchable elements that change background color on touch

<u>Touchable Opacity</u> – Touchable elements that change opacity on touch

View – View components handling

List of some of the key APIs in React Native:

```
Animated – Animations
```

Async Storage - Storing data

<u>Dimensions</u> – Dimensions handling

Keyboard – Keyboard interactions

**Share** – Sharing

Style Sheet – Styling the app



#### **ADDITIONAL RESOURCES**

Courses on Udemy that cover the whole React Native development process:

<u>Complete React Native</u> – Course that covers the essential parts of React Native

Advanced React Native – Course that digs deeper into React Native

List of some of the most widely used external libraries in React Native:

Axios – Web requests

Native Base – UI components

React Native Elements – UI components

React Native Router Flux – Routing engine for React Native

React Redux – Redux bridge for React Native

Redux Persist – Redux on device persisting engine

Redux Thunk – Redux async events handler

React Native Web – Getting React Native to the web

#### **EXERCISE**

Build a cross-platform mobile app that has the following functionalities:

Splash screen with a logo of your personal choice

Landing page with a vertically scrollable list of the top 100 albums, title filterable

Details page for each individual album from the landing page with all its photos in a grid

Form page that enables sending a photo from the device's gallery with a title to the API

Settings page that has a toggle for a UI-wide dark theme and a font-size slider

Use the following API while developing your solution: <a href="https://jsonplaceholder.typicode.com">https://jsonplaceholder.typicode.com</a>.