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# *React Native*

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## **Topics:**

### 1. What is React Native?

1. Abstracting React from the DOM
2. Advantages of React Native
3. React Native vs Web Apps
4. React Native vs React web

### 2. Getting started

1. Installing React Native
2. iOS setup - XCode
3. Android setup - Android Studio
4. Run an example project in iOS and Android simulators

### 3. Debugging React Native Apps

1. Using the In-App Developer Menu
2. Chrome Developer Tools
3. Using the integrated debugger with an IDE

### 4. HOOKS

1. Introducing Hooks

2. Using the State Hook

3. Using the Effect Hook

4. Rules of Hooks

5. Components and APIs

1. Basic Components

- i. View
- ii. Text
- iii. Image
- iv. TextInput
- v. ScrollView
- vi. ListView
- vii. StyleSheet

5. Others Component

- i. ActivityIndicator
- ii. Alert
- iii. Animated
- iv. Dimensions
- v. KeyboardAvoidingView
- vi. Modal
- vii. StatusBar
- viii. RefreshControl

6. Building Components

1. Reviewing JSX and React Component Basics

2. RN Core Components

3. Other Libraries (NativeBase)

## 7. State Management and Redux

1. Reviewing Redux
2. Navigator and Redux Navigation

## 8. Styling

1. Issues with CSS
2. Inline Styles
3. Create Immutable style objects with `StyleSheet.create`
4. Pass styles as props
5. Positioning components with flexbox

## 9. External Library Using

1. Axios framework
2. FastImage framework
3. Popup Dialog framework
4. Vector Icons framework

## 10. Camera, Map and Location

1. Using fetch to retrieve data
2. Getting a user's location and handling permissions
3. Accessing stored photos with CameraRoll
4. Adding animations

## 11. Rest Api Using

1. Network Requests

2. Consuming APIs

3. Network Error Handling

## 12. Redux

1. Introducing Redux

2. actions

3. reducers

4. store

5. Provider

## 13. Platform Specific Code

1. Platform API

2. Following UX Guidelines

3. Native Extensions

## 14. Deployment

1. Deploying to Apple App Store

2. Deploying to Android Play Store