

Documentation for Setting up Your React Native Project

Prerequisites

Before you begin, make sure you have the following installed:

- [VS Code](#)
- Node.js (version 16 or later recommended)
- Expo CLI
- React Native CLI

1. Create a New React Native Project

If you don't already have a React Native project, you can create one with Expo:

```
bash
```

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- `npx create-expo-app myapp`
- `cd myapp`

Once inside your project folder, open it with VS Code:

- `code .`

2. Install Required Packages

In your **myapp** project, open the terminal in VS Code and install the necessary packages by running the following commands:

Core React Native Navigation & Gestures:

bash

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- `npm install @react-navigation/native`
- `npm install react-native-screens
react-native-safe-area-context
react-native-gesture-handler
react-native-reanimated react-native-vector-icons
react-native-paper`

Stack Navigation:

- `npm install @react-navigation/stack`

Expo Modules (for Image Picker, Sharing, etc.):

- `npx expo install expo-image-picker expo-sharing`

Async Storage:

`npm install @react-native-async-storage/async-storage`

4. Running the App

To run your app and see it live on your phone, follow these steps:

- **Start the development server:**

Run the following command to start Expo's development server:

```
bash
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npm start
```

1. **Scan the QR code:**

- Once the server starts, a QR code will be generated in the terminal.
- Open the Expo Go app on your mobile device (available on both iOS and Android).
- Use the camera or the Expo Go app to scan the QR code to open your project.
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5. Summary of Installed Packages

Here's a summary of the packages that are installed:

1. **React Navigation & Related Libraries:**

- `@react-navigation/native`
- `@react-navigation/stack`
- `react-native-screens`

- `react-native-safe-area-context`
- `react-native-gesture-handler`
- `react-native-reanimated`
- `react-native-vector-icons`
- `react-native-paper`

2. Expo Modules:

- `expo-image-picker`
- `expo-sharing`
- `expo-auth-session`
- `expo-document-picker`
- `expo-secure-store`
- `expo-status-bar`

3. Storage & File System:

- `@react-native-async-storage/async-storage`
- `react-native-fs`

- `react-native-document-picker`

4. Dev Tools:

- `@babel/core`
- `@types/react`
- `typescript`

Summary:

```
npm install @react-navigation/native
npm install react-native-screens react-native-safe-area-context react-native-gesture-handler
react-native-reanimated react-native-vector-icons react-native-paper
npm install @react-navigation/stack
npx expo install expo-image-picker expo-sharing
npm install @react-native-async-storage/async-storage
npx expo install expo-image-picker expo-sharing
```

6. Additional Setup for VS Code

- Make sure you have the **React Native Tools** extension installed in VS Code to enable features like debugging and IntelliSense.

Extensions which can be helpful:

