**Package.json**

It contains all the information about the project.

Project cannot tun without this file.

It contains:

* project name
* version
* scripts: which ever commands needed to run the project.
* Dependencies: package libraries.

**metro.conifg.js**

For fast loading the project and compiling output without restarting.

**.watchmanconfig:**

It keeps track of any changes occurred in the code, which gets compiled by **metro.conifg.js.**

**Babel.config.js**

It transforms the latest version of js into backward which is supported by the browsers.

**Index.js**

This is the entry point of the application.

It contains all the components which are creates by the user or prebuild.

**Eslintrc.js**

ECMAScript: coding standards and best practices by providing static code analysis, catching potential errors, and maintaining code consistency. Ex: If we want to add any error fr console.

**android/ios :**

They are responsible to build/compile their respective files.

If we need to modify in case of we are installing any lib and packages then we do changes, which is very rear.

**Package-lock.json:**

It contains all the information of the dependencies in their hierarchical pattern.

**Gemfile:**

This is for ruby, when we need to debug the project.

**.prettierrc.js**

It contains the formatting of the code. Ex: how much space is required between the lines.

**.flowconfig:**

Compilation sequence of the files.

**.buckconfig:**

This tells which platform supports which version in your project.

**\_test\_:**

To write test cases.

**Components:**

Independent reusable code blocks.

Can be:

* In the same file
* Separate file.
* Nested components.

**Functional:** Mostly used.

**Class based:**

**Axios:** library to call REST API

**State:**

Holds informations.

**Variable/State:**

variables cann’t be re-render on component change unlike state.

Scope of state is only inside the variable.

**Props:**

Are used to transfer data between components.

**UseEffect():**

This is a Hook of React which effects when there is a change in the state variable, props or page reload.

**Important Commands:**

npx react-native start --port 8081 –reset-cache – to start the cli

npx react-native run-android – to run the project with android

npx react-native doctor – to diagnose the running process.

**Downgrade the gradle/wrapper file version.**

**Navigation**

npm install @react-navigation/native

npx expo install react-native-screens react-native-safe-area-context

npm install react-native-screens react-native-safe-area-context

npm install @react-navigation/native-stack

**Connect react native with node API:**

1. Init a node application and install these packages:

npm i bcrypt body-parser express dotenv jsonwebtoken mongoose nodemon

note: npm install -g nodemon (If nodemon doesn’t work)

nodemon app : to start the application from app.js and keep the server running while making code changes