Is My Family Okay? App

**Developer’s Manual**

**Overview of technology used:**

1. React Native
   1. Overview
   2. Installation
   3. Set Up App Files
   4. Upload to testing device
   5. File roles
   6. Troubleshooting
2. Amazon Web Services
   1. Set Up
   2. Channels
   3. Adding a webcam to the page
   4. Troubleshooting
3. Storij.io
   1. Storage
   2. Retrieval
   3. Troubleshooting
4. Merging
5. **React Native**

**Overview**

React Native lets you build mobile apps using only JavaScript. It uses the same design as React, letting you compose a rich mobile UI from declarative components. The biggest benefit is that React Native compiles JavaScript code into iOS and Android apps simultaneously, thus speeding up development phase and increasing iterations.

**Installation**

Go to this github link and clone the repository. After unzipping, point your terminal path to the “IMFO-test” folder and assuming that you have [Node](https://nodejs.org/en/download/) installed, you can use npm to install all the modules required for the app

npm install

Delete the “react-native-mapview” folder in the node-modules folder of the project.

Then run the following commands to start the development server

npm start

This will start a development server for you. A QR code will come in the terminal.

Optional: You can download the Expo XDE application to your PC from <https://docs.expo.io/versions/v29.0.0/introduction/installation.html> . After cloning the GitHub repo, you can open the Expo XDE app on your PC, select “Import Project,” and then select the repo folder. Expo XDE will open its project interface and load the project.

**App Files Overview**

React Native lets you build mobile apps using only JavaScript. It uses the same design as React, letting you compose a rich mobile UI from declarative components.

**Uploading to Testing Device**

Install the [Expo](https://expo.io/) client app on your iOS or Android phone and connect to the same wireless network as your computer. On Android, use the Expo app to scan the QR code from your terminal to open your project. On iOS, follow on-screen instructions to get a link. Open the Expo phone app and scan the QR code generated in the terminal. If you are using the Expo XDE app on your PC, select “Share” in the top right corner of the project interface and scan the QR code. The server will build the JavaScript files and deploy it to your phone under the Expo App.

**Troubleshooting**

Most issues can be fixed with an “npm install” in the terminal directory for the folder. After npm install, make sure to delete the “react-native-mapview” folder in the node-modules folder of the project.

To learn React Native, use <https://facebook.github.io/react-native/docs/getting-started.html>. Also use <https://www.youtube.com/channel/UCiNWv52iO_OAdZ12kslG4Cg>, my favorite React Nativea Channel.

1. **Amazon Web Services**