**“DropChat” React Native Elements/Expo [icon Packs]/Firebase (Cross Platfrom App) Stylesheets**

\*sidenotes for reactjs to react native : divs = views

Setting up work environment:  
 Go to expo.io > npm install –-global expo-cli > expo init dropchat >select blank

Set up Firebase: create project and copy the config file to the app to connect front-end to backend

Go to project > npm start > open in web browser / android for window > use tunnel if error occurs

Copy the Firebase config > Create firebase.js on app’s main folder and paste the config codes

Go to **Reactnavigation.org** > read docs > **npm install @react-navigation/native**

* Copy the entire line under: *Installing dependencies into an Expo managed Projects*
* Run the copied codes on your app terminal
* On your app.js, input: **import “react-native-gesture-handler”**; and **import { NavigationContainer } from '@react-navigation/native';** then create the NavigationContianer and wrap the app components inside of it.
* Go back to reactnavigaton.org and click on next page > npm install @react-navigation/stack

**“Building the login screen”**

Create new folder > screens > LoginScreen.js > rnfes

Go back to app.js and add *const Stack = createStackNavigator();*

*Go back to login.js and add the* **“React Native Elements” >** npm install react-native-elements

* Add codes and styles
* Create RegisterScreene.js and add it to the app.js
* Add the {navigation} prop to LoginScreen and RegisterSCreen > input onPress functions to login and register buttons e.g. onPress={() => navigation.navigate("Register")}

Note: all **react-native-elements** should be targeted with **containerstyle**

**>Implementing the Registration**

* Create the RegisterSCreen and styles > Go to firebase > Authentication > enable Email/Password > Firestore Database – Start in test mode > Go back to app then install firebase dependencies insode “EXPO”: expo install firebase >>> import dependencies from fireabase : import \* as firebase from "firebase";

Go to <https://docs.expo.io/guides/using-firebase/> and follow instructions on what to import depending on what is needed for your app.

Add codes to the RegisteScreen. Js and App.js tehn create new component for satck.navigator named “HomeScreen.js”

Add codes to **homescreen** > Create **CustomListItem.js > input codes**

**“Editing the HomeScreen”**

Go back to HomeScreen.js > implement useLayoutEffect > Addcodes

**“Creating the AddChat screen”**

Create new component AddChat.js

* Go to app.js and add the AddChat screen > Go back to AddChat and implement the codes

“Creating the Chat session Screen

* Create a **ChatScreen.js** and add the codes and make sure to import properly on other components > add necessary codes and objects to pull up the messages for the chat session

Deploying the app to web:

Important note: always use “web-build” for the build selection folder during deployment

* Once firebase initialization is complete typ in: expo publish (for expo) > Go to publish page
* expo build:web > firebase deploy