Fan Page App

Where Support Gets Creepy

For this homework assignment you are to create and publish an app on two of the following platforms: iOS, Android, Web. The objective of this assignment is to get you comfortable with the use of the API firebase. The details for the assignment are as follows:

1. Create a **Splash Screen** that is an image of you
2. Integrate the **Firebase API** into your mobile application
   1. This step requires the manipulation of iOS and Android properties and the inclusion of a properties provided by google, information for how can be found here
      1. React Native - <https://rnfirebase.io/firestore/usage>
      2. Flutter - <https://firebase.flutter.dev/docs/overview>
      3. iOS - <https://firebase.google.com/docs/ios/setup>
      4. Android - <https://firebase.google.com/docs/android/setup>
      5. Web - <https://firebase.google.com/docs/web/setup>
3. Set up **User Registration** and **User Login** pages
   1. Should leverage **Firebase Authentication** and **Cloud FIrestore**
      1. **Flutter Firebase Authentication -** <https://firebase.flutter.dev/docs/auth/overview>
      2. **Flutter Cloud Firestore**  - <https://firebase.flutter.dev/docs/firestore/overview>
   2. Cloud Firestore should store **unique user id**, **user first name, user last name**, **user role ( defaults to customer )**, and **registration datetime**
   3. Firebase Authentication should be able to accept email and password, and at least one social media login
4. Inside Cloud Firestore at least one user should be given and **ADMIN** user role
   1. Doesn’t have to be done programmatically, you can change this in the Firebase Dashboard
5. **ADMIN** users should be able to see a floating action button with an icon with a “+”
   1. **Only ADMIN**  users should be able to see this button, (ternary operator or if-else statement)
   2. **On Click** this button should display a single pop up that has one text box for input, one button titled  **POST** MESSAGE, and one button that allows you to close the pop up
   3. **Messages** should be its on separate table in **Cloud Firestore**
      1. Each message should have a unique id
      2. Each Message should have a field detailing the content stored in the body of the message as well as the datetime
   4. Posting the message should allow for users to view
6. **After logging in** users should be able to see an ordered list of all messages posted by the admin user
7. There should be an icon in the menu bar of the scaffold area that allows user to log out
   1. Pressing this button should display a pop up asking if users a sure they want to log out

**\*\*\*\* Flutter References**

**Flutter & Firebase App Tutorial #12 - Register With Email ...**

[**https://www.youtube.com/watch?v=jl5E0UfAGVs**](https://www.youtube.com/watch?v=jl5E0UfAGVs)

**Flutter Login and SignUp with Firebase Auth & Firestore ...**

[**https://www.youtube.com/watch?v=oPIaJR1SPD8**](https://www.youtube.com/watch?v=oPIaJR1SPD8)

**Flutter Login & Registration Using Firebase**

[**https://medium.com/swlh/flutter-login-registration-using-firebase-1bef34007b91**](https://medium.com/swlh/flutter-login-registration-using-firebase-1bef34007b91)

**Cloud Firestore Basics in Flutter**

[**https://medium.com/firebase-developers/cloud-firestore-basics-in-flutter-68c7ec42eeca**](https://medium.com/firebase-developers/cloud-firestore-basics-in-flutter-68c7ec42eeca)

**Assets, images, and icon widgets**

[**https://flutter.dev/docs/development/ui/widgets/assets**](https://flutter.dev/docs/development/ui/widgets/assets)

**Alert Dialog**

[**https://api.flutter.dev/flutter/material/AlertDialog-class.html**](https://api.flutter.dev/flutter/material/AlertDialog-class.html)

**\*\*\*\* React References**

**Authentication**

[**https://rnfirebase.io/auth/usage**](https://rnfirebase.io/auth/usage)

**React Native Firebase – Login and User Registration Tutorial**

[**https://www.positronx.io/react-native-firebase-login-and-user-registration-tutorial/**](https://www.positronx.io/react-native-firebase-login-and-user-registration-tutorial/)

**Cloud Firestore**

[**https://rnfirebase.io/firestore/usage**](https://rnfirebase.io/firestore/usage)

**Images**

[**https://reactnative.dev/docs/images**](https://reactnative.dev/docs/images)

**Modal**

[**https://reactnative.dev/docs/modal**](https://reactnative.dev/docs/modal)