

React Native Intern Assignment

Objective

Create a To-Do App using React Native and Firebase with Authentication and Profile features.

Requirements

Core Features

- **Authentication**
 - Use **Firebase Authentication** with email and password.
 - Implement user registration and login screens.
 - Maintain a user session after login using persistent auth.
- **Navigation**
 - Two **bottom tabs**:
 - **To-Do List**
 - **Profile**
- **To-Do List Tab**
 - Add new tasks (text input).
 - Mark tasks as complete/incomplete.
 - Delete tasks.
 - Store tasks per user using **Firebase Firestore**.
- **Profile Tab**
 - Display the user's **username, email, and profile image**.
 - Allow users to change their **username and upload a profile photo** using the image picker.
 - Store the uploaded image in **Firebase Storage** and show it in the profile screen.
 - Include a **Logout** button.

UI Mockup Reference (Not Binding)

<https://www.figma.com/proto/bGLi9oDmKVI56CMN51yzmn/React-Native-Assignment?node-id=0-1&t=3VnUqIJyvrGcoFTm-1>

General Instructions

- **README File:**

- Include a detailed README in the root of the project.
- The README should cover:
 - Setup instructions (e.g., installing dependencies, configuring environment variables, Firebase setup).
 - How to run the project locally using Expo or React Native CLI.
 - A brief overview of the tech stack and project structure.

- **Video Demonstration:**

- Record a video showing the working application.
- The video must:
 - Demonstrate full functionality: login, task creation, image upload, logout, etc.
 - Show proper error handling (e.g., empty task input, image upload failures, login errors).
 - Confirm the app is working end-to-end.
- Share the video via a **Google Drive link and make sure the link is accessible to reviewer failure in providing a working link will result in disqualification.**
- Ensure the video clearly demonstrates functionality; **failure to show a working app will result in disqualification.**

- **GitHub Repository:**

- Provide a **single GitHub repository** for the project.
- Organize code in a clear structure.
- **Ensure the repository is public or accessible to reviewers, failure to access the code will result in disqualification.**

- **Deployment:**

- Deployment is **not required**; focus on local functionality with Firebase integration.
-

Evaluation Criteria

Your submission will be assessed based on the following:

- Proper integration of **Firebase Authentication, Firestore, and Storage.**

- Clean implementation of **To-Do list** functionality and **profile management**.
 - Smooth navigation and **responsive, user-friendly UI**.
 - Proper **error handling and edge case management**.
 - Clean, **organized, and modular code structure**.
 - Quality and clarity of the **README** and **video demonstration**.
-

Additional Notes

- The app must be **fully functional with no critical bugs**.
 - Focus on **code quality, readability**, and **best practices** in React Native.
 - This is an **individual assignment; collaboration is not allowed**.
-

Submission

- The **GitHub repository link** containing your React Native project.
- The **Google Drive link** to your video demonstration.
- Ensure **both links are accessible** to the reviewer.