Development Documentation for Center Grade (A Hybrid Mobile App for Android & iOS)

Project Name: Center Grade

Client Name: Andrew Shelton

Mode of Approach: Upwork Inc.

Date: 13-05-2025

Center Grade - Flutter App Submission Details

Dear Client,

Please find the necessary details and instructions related to the **Center Grade** Flutter application below. This will help you set up, run, and maintain the app efficiently on your end.

App Overview

- **App Name**: Center Grade

- **Platform Support**: Android & iOS

- **Frontend Framework**: Flutter

- **Flutter SDK Version**: `3.29.3`

- **State Management**: Getx

- **Architecture**: Clean architecture with modular folder structure

- **Developer**: Rohit Parmar (Sr. Flutter Developer, Logic Go Infotech LLP)

Firebase Access

The app uses **Firebase Authentication** for Google sign-in. You will need Firebase project access to configure and run the app correctly.

Action Required: Please share your Google email address so Firebase project access can be granted from our end.

📁 Project Structure

The app follows a **clean folder structure** with separation of concerns:

- `presentation/`: UI Screens & Widgets

- `application/`: Business Logic (Getx, UseCases)

- `domain/`: Entities and abstract definitions

- `infrastructure/`: API calls, repositories, models

- `core/`: Shared utils, constants, theme, and extensions

Build Instructions

Before Running the App:

1. Ensure your environment uses Flutter `3.29.3` (check with `flutter --version`).

2. Run `flutter pub get` to install dependencies.

3. If any `*.g.dart`, `*.freezed.dart`, or BLoC files are missing or modified:

dart run build_runner build --delete-conflicting-outputs

🚀 Run the App

To run the app:

- **Android**: `flutter run`

- **iOS**: Run from Xcode or use `flutter run` (ensure proper iOS setup and signing)

Dependencies

Testing

- The app is tested on Android and iOS emulators/devices.

- Ensure proper Firebase configuration (`google-services.json` and `GoogleService-Info.plist`) are added in respective platforms (`android/app` and `ios/Runner`).

Deliverables

- Complete source code (attached)

- Environment variables and Firebase setup (pending email for access)

- Documentation (this handover note)

If you need assistance setting up the environment, feel free to reach out.

Development Documentation Made & Submitted by,
Flutter Department of LogicGo Infotech LLP.

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