🩺 Health Compass - User Web App Submission Report

Project Overview

- **Project Name:** Health Compass User App
- **Date:** 06-06-2025

Project link :
https://drive.google.com/file/d/1hbHM0W4lS_GRWHJXekTPf6qf6uEhb0oQ/view?usp=sharing

App Summary

App Name: Health Compass User App
Platform: Web
Frontend Framework: Flutter Web
Flutter SDK Version: 3.32.0
State Management: Getx
Architecture: Clean Architecture (Domain-driven, modular)

Authentication & Backend

The app integrates:

- **Node.Js** backend

- **MongoDB** for health data storage

- **Firebase Hosting** (for deployment)

   If Firebase project access is needed, please share your Google email ID.

Project Structure

The project follows a clean and scalable folder structure:

```
├── core/        # Shared constants, utils, theme
├── data/        # Entities and repository contracts
├── routes/      # Navigation routes
├── services/    # services and data models
└── presentation/  # UI components, screens, and routing
```

Build & Run Instructions

Prerequisites:

- Flutter 3.32.0 installed

- Chrome or Edge browser

- Firebase CLI configured (`firebase login` and `firebase init`)

Setup:

1. Run `flutter pub get`

2. Run `dart run build_runner build --delete-conflicting-outputs`

3. Add Firebase credentials:

   - `web/index.html` must include Firebase config script.

   - `.env` file should include Firebase keys.

To Run:
flutter run -d chrome

To Deploy:
flutter build web

firebase deploy

Dependencies

Key packages used:

- `getx`– state management

- `build_runner` – data modeling

- `firebase_auth`, `cloud_firestore`, `firebase_core`, `firebase_functions` – backend

- `flutter_local_notifications` – for notification support

- `flutter_hooks`, `responsive_framework`, `intl` – UI helpers

Testing

- Fully tested on latest versions of **Chrome**, **Edge**, and **Firefox**

- Responsive on mobile and tablet viewports

- Firebase connections verified with live data

- Form validations and error handling completed

Deliverables

- ✅ Source code folder (Google Drive link): [Add your zipped project link here]

- ✅ Firebase project (pending access)

- ✅ This documentation

- ✅ Build (`web/`) folder if required

Final Notes

The Health Compass web app is ready for deployment and scaling. If you face any issue with the Firebase setup or deployment process, feel free to reach out to us.

Submitted By:

Flutter Development Team, Logic Go Infotech LLP