Instructions

Orchid is an AI-powered healthcare web & mobile application, aims to provide accessible and affordable healthcare services to people worldwide. The application includes NCD's diagnosis tools, AI diet planner, mental health diagnosis, ASD diagnosis for age groups 1 to 3 and AI self-diagnosis, utilizing state-of-the-art technologies like TensorFlow & Scikit-learn. The mobile app is built with Flutter, while the web application is built with Django. Orchid's loosely coupled architecture allows for easy integration, making it a versatile solution to meet the specific needs of healthcare providers. The application also includes features where users can maintain their medical profile, analyse their diagnosis history, book appointments, read blogs, report bugs, and much more.

We have developed both a **Web application and a Mobile application** as prototypes for the solution. Instructions for running each application separately are provided below.

Instructions to Run the Web Application

To access the web application, visit the URL **orchid-ai.uc.r.appspot.com** deployed using GCP. Alternatively, Follow the below instructions to run the project in the local system:

1. Download the **PROJECT** folder in the **Source Code-Full Stack Web App/orchid** Directory specified in the ZIP File. This is the local project to run on the local system. You need not to change or update anything else.
2. The next step is to install the **IDE & requirements**. Install **python version 3.9.**
3. Install Visual Studio or any python supported IDE.
4. Download all the requirements specified in the **requirements.txt** file (present in the ZIP Root Directory).
5. Open the **PROJECT** folder downloaded in step 1 in the IDE & make sure all requirements are installed.
6. To run the project you must be in the directory where **manage.py** is present. It is present in the **PROJECT** directory.
7. Type **python manage.py runserver** in the **terminal** which will start the project in the localhost.
8. Open the link **127.0.0.1:8000** to view the running project in a suitable browser.
9. Open the link **127.0.0.1:8000/admin** to view the django admin page in a suitable browser.

Django Administration Login Credentials :
Username – *mrinal*
Password - *ranchi4000*

Instructions to Run the Android Application

To access the Mobile application, you can install it by using the **APK File** in the directory **Source Code-Mobile Application.** Alternatively, you can follow the instructions below to run the application.

1. Install & Start Android Studio
2. Open plugin preferences **(File > Settings > Plugins)**.
3. Select **Marketplace**, select the **Flutter** plugin and click Install.
4. Copy the **Orchid** Folder (in the directory **Source Code-Mobile Application**) in your Android Studio Project Directory.
5. Open the Project in the Android Studio.
6. Run the application in your emulator.