# **Team Distribution Plan**

**Taher Magdy: Authentication & User Accounts - (Name)**

* Implement registration/login for patients, doctors, and clinics.
* Manage role-based navigation (different home screens).
* Secure authentication with Firebase Auth or JWT tokens.

**Deliverables**: Authentication flow, role-based user handling, secure sessions.

**Hamza Hesham: Doctor Listing & Booking System - (Name)**

* Doctor search, filter (specialty, location, availability).
* Appointment booking and cancellation.
* Integrate with backend for availability.
* Local caching of appointments in Room.

**Deliverables**: Fully functional doctor listing and booking system.

**Mohamed Safwat: Consultation (Chat) - (Name)**

* Build **real-time chat module** between patient and doctor.
* Support text, emojis, and possibly image/file sharing.
* Integrate chat with booked appointments (chat available only during/after booking).
* Push notifications for new messages (Firebase Cloud Messaging).

**Deliverables**: Real-time chat with message persistence, notifications, and clean UI.

**Mohamed Hany: Prescriptions & Pharmacy Integration - (Name)**

* Doctor can create electronic prescriptions after chat.
* Generate scannable QR/Barcode for prescriptions.
* Patient can view/download prescription history.
* Secure storage of prescription data.

**Deliverables**: Complete e-prescription system with barcode integration.

**Yousef Ahmed: Clinics/Hospitals & Ads/Offers Module - (Name)**

* Create module for clinics and hospitals to post ads/offers.
* Display offers on patient home screen.
* Manage listing of clinics/hospitals.
* Allow search and filtering by services/offers.

**Deliverables**: Ads/Offers feature with integration into clinic/hospital profiles.

**Shared Responsibilities**

* Maintain consistent UI with Jetpack Compose + Material Design 3.
* Follow MVVM with Repository architecture.
* Write unit/UI tests for each module.
* Document their own feature implementation.
* Collaborate using GitHub feature branches.