

Gym Management App – Documentation

App Overview

The Gym Management App is an Android application designed to manage gym memberships efficiently. It allows the admin to track total members, active and expired memberships, and revenue. The app provides features for adding, editing, deleting, and searching members, along with a dashboard showing real-time stats.

Features

1. **Admin Login** – Secure access to the app.
 2. **Add Member** – Add new members with full details:
 - Name
 - Phone number
 - Plan (1 Month, 3 Months, 6 Months)
 - Join Date
 - Fee amount
 - Payment status (Paid/Unpaid)
 3. **Edit Member** – Update member information.
 4. **Delete Member** – Remove member from the system.
 5. **Dashboard Stats:**
 - Total members
 - Active members
 - Expired members
 - Total revenue (Paid)
 6. **Member Lists:**
 - Display all members
 - Active members
 - Expired members
 7. **Search Functionality** – Search members by name in all lists.
 8. **Automatic Expiry Calculation** – Membership expiry calculated based on the selected plan.
 9. **Expiring Soon Highlight** – Members expiring within 3 days can be identified.
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Database Structure (SQLite)

Table: members

Column Name	Type	Description
id	INTEGER	Primary Key, Auto Increment
fullName	TEXT	Member's full name
phone	TEXT	Member's phone number
joinDate	TEXT	Date of joining (yyyy-MM-dd)
plan	TEXT	Subscription plan (1/3/6 months)
feeAmount	REAL	Membership fee amount
paymentStatus	TEXT	Paid or Unpaid
expiryDate	TEXT	Membership expiry date (yyyy-MM-dd)

How to Run the Project

1. Install **Android Studio** (latest stable version).
2. Clone the repository:

```
git clone https://github.com/ayeshaa007/Gym-Management-App.git
```
3. Open the project in Android Studio → Wait for Gradle sync.
4. Run the project on a **physical device** (USB debugging enabled) or an emulator.
5. Alternatively, install the APK from **GitHub Releases** or repository directly on an Android device.
6. Login using the default credentials (hardcoded in the app).

Additional Notes

- The debug APK is intended for testing; a signed APK is recommended for production.
- Database is local SQLite; data is stored on the device.
- The app meets core intern project requirements:
 - Admin login
 - Add/Edit/Delete members
 - View all, active, expired members
 - Dashboard with total members and revenue