Requirement Document for GYM Management Software (Web App & Mobile App)

Requirements Document for a **GYM Management Software**, covering both:

- **Web Application (Admin/Staff/Manager use)**

- **Mobile Application (GYM Users/Members use)**

Platforms:

- Web Application – for Admins, Managers, Trainers

- Mobile App (Android & iOS) – for GYM Users (Members)

1. Objective

To develop a scalable Gym Management System with Web and Mobile platforms for seamless operations like member registration, workout plans, attendance tracking, trainer assignment, payment handling, and progress monitoring.

2. Target Audience

- Gym Owners & Managers

- Reception/Front Desk Staff

- Fitness Trainers

- Gym Members (Users)

3. Key Features

A. Web Application – Admin/Manager/Trainer Interface

Feature Category	Feature Name	Description
User Management	Member Registration	Register members manually or via digital form
	Role-based Access	Admin, Trainer, Front Desk
	Member Profiles	View/edit user profile, payment, and workout details
Trainer & Schedule	Trainer Management	Add, assign, and manage trainers
	Workout Plans	Create plans with goals, exercises, and schedules
	Class Scheduling	Schedule classes, notify users
Payments & Billing	Subscription Plans	Define and manage plans (monthly, yearly, custom)
	Payment Tracking	View dues, paid, reminders
	Invoice Generation	Auto-generate invoice & receipts
Attendance	Member Check-in	View daily attendance logs
	Trainer Attendance	Track trainer attendance
Reporting	Reports Dashboard	Payment, new users, dropouts, usage reports
Notifications	Email/SMS	Alerts for dues, class timings, offers
Integration	Payment Gateway	Razorpay, Stripe, UPI
	Third-party Tools	WhatsApp, CRM, biometric (optional)

B. Mobile App – GYM Member Interface

Feature Category	Feature Name	Description
User Profile	Login/Signup	OTP or email-based login
	My Profile	View/edit personal info, membership status
Workout	My Workout Plan	Daily workout routines from trainer
	Progress Tracker	Log reps, sets, weights, calories burned
Attendance	Digital Check-in	QR code or geo-fencing-based check-in
	Attendance History	View own attendance
Schedule	Class Calendar	View upcoming classes and events
	Book a Session	Book/RSVP to a personal or group session
Payments	Payment History	View receipts, pay online
	Renew Membership	One-click renew or upgrade plan
Community	Announcements	News, events, gym updates
	Feedback & Support	Raise tickets, chat with staff
Notifications	Alerts	Workout reminders, offers, attendance alerts
Gamification (Optional)	Rewards & Badges	Points for consistency, achievements

4. User Roles

WebApp:

- **Admin:** Full control (user mgmt, billing, reports)

- **Manager:** Limited access to users and payments

- **Trainer:** Can view/edit assigned users, workout plans

- **Receptionist:** Can enroll new users, take payments

Mobile App:

- **Gym User/Member**

5. Non-Functional Requirements

- **Security:** Data encryption, role-based access, secure payments

- **Performance:** Must support concurrent users in real time

- **Scalability:** Multi-branch support

- **Availability:** 99.9% uptime

- **Responsive UI:** For mobile and web access

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