

# Gym Management System

An Intership Project at SofK PVT LTD

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KRISH KUNJADIYA

# Project Overview

01

Comprehensive  
web-based system  
for gym operations

02

Streamlines  
management for  
Admins, Staff, and  
Members.

03

Developed using  
PHP, MySQL, &  
Bootstrap.

04

Focus: Efficiency,  
Accessibility,  
Security.



# Technology Stack

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01

## **Frontend:** HTML5, CSS3, Bootstrap 5

- Responsive UI across all devices

## **Backend:** Core PHP

- Robust business logic implementation

## **Database:** MySQL

- Relational data storage with optimized queries

## **Server Environment:** Apache

- Deployed via XAMPP/WAMP for development

# Key Features: Role-Based Access

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02



## **Admin Role**

- Full System Control
- Manage Staff, Members, Plans, Reports



## **Staff Role**

- Manage Member Profiles
- Track Daily Attendance



## **Member Role**

- View Profile & Membership
- Status Access Attendance History

# Core Functionalities

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03

## **Secure Authentication:**

- password\_hash() for password storage.
- password\_verify() for login validation.

## **Intuitive Admin Dashboard:**

- Overview of Members, Revenue, Plans.
- Quick access to core modules.

## **Member Management (CRUD):**

- Add, View, Update, Delete Member Records.

## **Staff Management:**

- Admin-only creation & management of staff accounts.

# Additional Functionalities

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04



## **Membership Plan Management:**

- Admins create/edit diverse membership plans.  
(e.g., Monthly, Quarterly, Annual)



## **Attendance Tracking:**

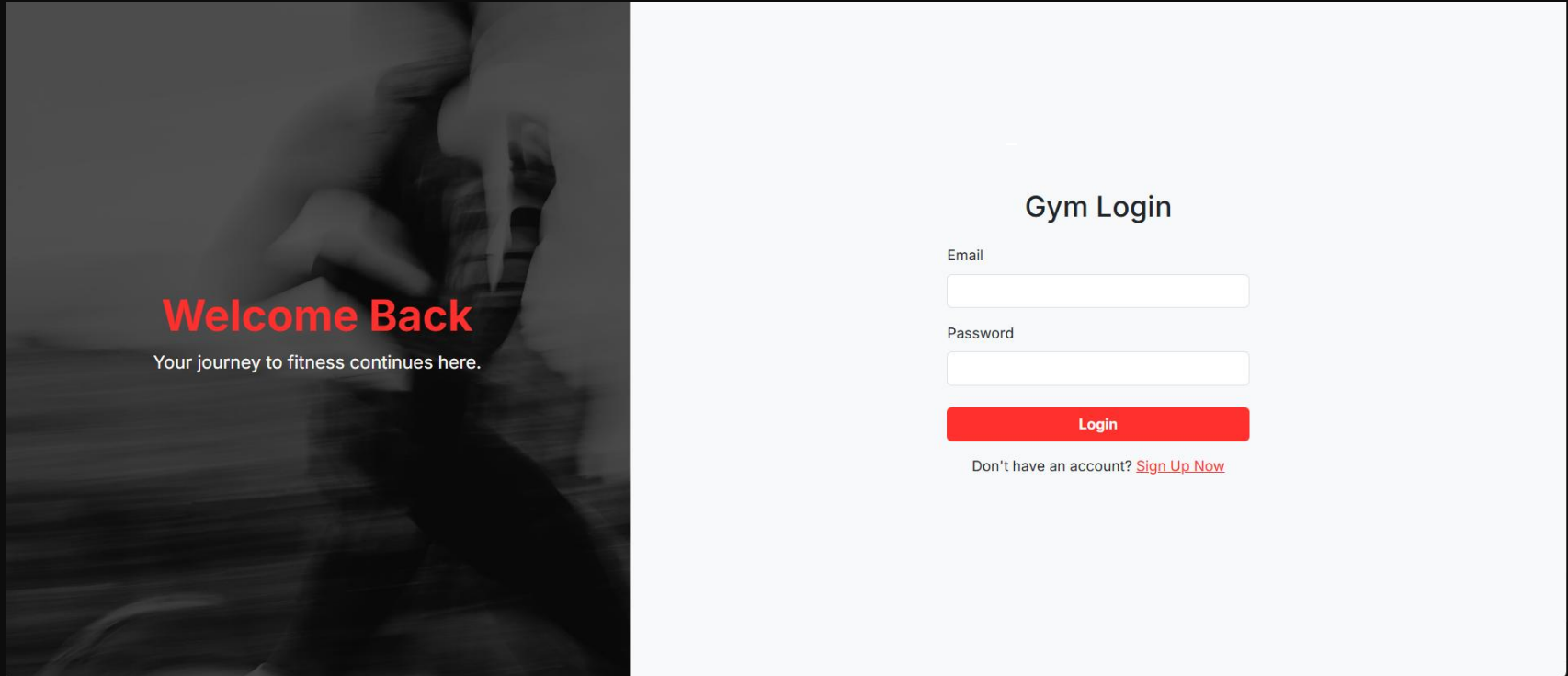
- Staff marks daily attendance.
- Visible to Admin & Members.



## **Public Member Signup:**

- Secure, public-facing registration form.
- New members can sign up easily.

# System Walkthrough 05



# System Walkthrough 05

**Join Us Today**

Start your fitness journey and unlock your potential.

## Create Account

Full Name

Email Address

Contact Number

Password

Confirm Password

**Sign Up**

Already have an account? [Login](#)

**Public Signup** (New Member Registration)



# System Walkthrough 05

Gym MS

DashboardMembersStaffPlansClassesAnnouncementsPaymentsAttendanceReportsLogout

## Dashboard

Total Members  
1

Revenue (This Month)  
₹0

Attendance Today  
0

Active Plans  
3

### Recent Activity

Future content area for recent member registrations, payments, etc.

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# System Walkthrough 05

Gym MS

My DashboardClass ScheduleEdit ProfileLogout

## Welcome, Krish Kunjadiya!

Latest From the Gym

New ABS Machine!!!

fireeeee

*Posted on August 1, 2025*

### My Weight Progress (kg)

Date	Weight (kg)
Jul 09	76.00
Jul 16	76.10
Jul 18	76.50
Jul 20	76.30
Jul 21	76.20
Jul 22	75.90
Aug 01	75.90
Aug 31	76.30

### My Membership

Plan: **Monthly Basic**

Edit Profile & Password

### Log My Progress

Date:

Weight (kg):

**Log It!**

# System Walkthrough 05

Gym MS

DashboardMembersStaffPlansClassesAnnouncementsPaymentsAttendanceReportsLogout

Manage Members

Add New Member

Name	Email	Contact	Plan	Join Date	Actions
Krish Kunjadiya	Krish1@gmail.com	7984512288	Monthly Basic	Jul 16, 2025	<div>EditPlansDelete</div>
Yug Kunjadiya	yug1@gmail.com	7984579845	Annual VIP	Aug 03, 2025	<div>EditPlansDelete</div>

Add New Member

Full Name

Email Address

Contact Number

Joining Date

21-08-2025

Membership Plan

Select a Plan

A default password "member123" will be set for the new member.

Register Member

**Member Management** (to Manage Members)

# Challenges & Solutions

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06

## **Challenge 1: User Authentication & Security**

**Solution:** Implemented `password_hash()` / `password_verify()`, prepared statements to prevent SQL injection

## **Challenge 2: Database Design & Relationships**

**Solution:** Normalized tables, used foreign keys for data integrity and efficient queries

## **Challenge 3: Responsive Design with Bootstrap**

**Solution:** Leveraged Bootstrap's grid system and components for multi-device support

## **Additional Challenges:**

- Ensuring role separation and preventing privilege escalation with proper access controls
- Improving user experience for public member signup and dashboard navigation

# Learning & Outcomes

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07

## **Key Learning Outcomes :**

- Proficiency in Full-Stack PHP Development
- Database Design & Query Optimization
- Secure Coding Practices Project Lifecycle Management

## Conclusion

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The Gym Management System provides an efficient and secure solution for modern gym operations.



# Thank you