

# GYM APPLICATION

**Project Name:** Hercules360 mobile application

**Due Date:** undefined

This is the tracking document for our Hercules360 mobile application.  
We will use this document to share detail, resources, and schedule for our project.  
Please Keep This Document Up To Date as we work.



## Participants

Name	Role	Contact information
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To be added in the future...		



## Milestones

Milestone name	Priority	Status
User Roles	0	
Authentication and Security	1	
Integration for existing SaaS	2	
Personalized Dashboard	3	
Real Time Sync	4	
Offline Mode	5	
Workout Plan	6	
Activity Tracker	7	
Gym Class Booking	8	
Push Notifications	9	
Communication Tools	10	
Diet Plans and Nutrition Tips	11	
Performance Analytics	12	

In-App Payments	13
Feedback System	14
Community and Social Features	15
Wearable Integration	16
Administrative Dashboard	17



## Requirement Details

. Authentication and Security	User registration, login, and role-based access control (users, trainers, admins).	Multi-factor authentication.
. Integration with Existing SaaS System	Seamless communication with your existing administrative React web app.	
. User and Trainer Dashboards	Membership status, workout schedule, and payment history.	Trainers: Assigned clients, schedules, and class management.
. Allow users to view workout routines and log exercises offline.	Users can track exercises, reps, sets, and cardio logs.	Integration with fitness wearables
. Class Booking System	Book, waitlist, and cancel group or one-on-one sessions	
. Push Notifications	Alerts for bookings, reminders, and promotions.	
.Trainer Communication Tools	Chat or announcements for trainers to engage with clients.	
. Diet Plans and Nutrition Tips	Personalized diet recommendations and access to a nutritionist.	
. Performance Analytics	For both users (progress tracking) and trainers (client trends).	
. In-App Payments	Membership renewal and fee payment with secure gateways.	
. Feedback System	Users rate trainers or classes; trainers collect client feedback.	
. Community and Social Features		
. Wearable Integration	Full data sync with devices like Fitbit or Apple Watch.	
. Administrative Dashboard (Mobile)	Allow gym admins to monitor data directly within the app.	



## Tracking calendar

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1	Group meeting	Add a calendar entry	
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## Current status updates

Margaret Woodward

Role: Author

Primary responsibility:

Percentage complete:

Current status:



## Project resources

Links for all project resources :

- 1.
- 2.

