Gym Management System

Members name and ID:

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Project Description:

The Gym Management System is a software application designed to streamline and automate the operations of a fitness center. This system will provide essential features and functionalities for managing gym members, trainers, payments, and previous payment records. The goal of this project is to enhance the efficiency and organization of a gym's day-to-day operations. Below are some key features of our project.

- Member Management:
 - o Add Members
 - View Members
- Trainer Management:
 - O View Trainers:
- Payment Processing:
 - Add Payment:
 - View Payments

Project objective:

The principal aspiration of the Gym Management System (GMS) is to usher in a transformative era in fitness facility administration by introducing an all-encompassing software solution, with a specific emphasis on the administrative interface. The GMS is meticulously engineered to optimize operational efficiency, elevate member engagement, and fortify financial stability. This is to be accomplished by means of automating the meticulous handling of member profiles, their associated particulars, fitness instructors, instructor profiles, and financial transaction records.

Task Division:

Mrunmai Nitin Magar-

Planning, Frontend developer, Implementation, Testing, Launch, Marketing, maintenance.

Hruthik Reddy Chada -

Planning, Backend developer, Integration, Testing, Launch, Promotions, Maintenance

Project timeline:

Tool used: Microsoft Excel

Represented visually using: Gantt chart

			_				or Gym Manager	-			
Tasks	Start date	End Date	Days	08/3	09/23	09/19/23	09/29/23	10/09/23	10/19/23	10/29/23	11/08/23
Project Kick off	8/30/23	9/4/23	5	Project Kick off							
Gathering Requirements	8/30/23	9/4/23	5	Gathering Requirements							
Planning	9/5/23	9/17/23	12	Planning		•					
Identifying Tasks	9/5/23	9/8/23	3	Identifying Tasks							
Define dependencies	9/9/23	9/12/23	3	Define dependencies							
Time Estimation	9/12/23	9/14/23	2	Time Estimation							
Team Setup	9/15/23	9/17/23	2	Team Setup		•					
Developing FrontEnd	9/18/23	9/25/23	7	Developing FrontEnd							
Design for UI, and Layout for website	9/18/23	9/25/23	7	Design for UI, and Layout for website							
Back-end Development	9/30/23	10/8/23	8	Back-end Development							
Develop Backend Functionality	9/30/23	10/6/23	6	Develop Backend Functionality							
database Implementation	10/5/23	10/8/23	3	database Implementation			-				
Interaction	10/9/23	10/15/23	6	Interaction							
Integrate Front-end and Back-end	10/9/23	10/15/23	6	Integrate Front-end and Back-end							
Implementation	10/17/23	10/23/23	6	Implementation							
User Authentication	10/17/23	10/20/23	3	User Authentication							
Register window for new members	10/21/23	10/23/23	2	Register window for new members							
Functionality	10/24/23	10/30/23	6	Functionality					_		
Add Trainer details	10/24/23	10/26/23	2	Add Trainer details					_		
Payment Integration	10/27/23	10/30/23	3	Payment Integration							
Testing	11/1/23	11/10/23	9	Testing							
conduct testing	11/1/23	11/6/23	5	conduct testing							
Bug fixing	11/7/23	11/10/23	3	Bug fixing							
Launch	11/13/23	11/17/23	4	Launch							
Monitor and ensure system stability	11/13/23	11/15/23	2	Monitor and ensure system stability							
Deployment of website	11/14/23	11/17/23	3	Deployment of website							
Documentation	8/30/23	11/17/23	79	Documentation							
Maintainance.											
Provide ongoing support and maintenance Address any issues or bugs		on-going on-going									