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WIM Lab
Professor: Prof.Nikhil Handa

Gym Management System Project Report

Problem Statement: The goal of this Gym Management System is to digitize the processes involved in managing a gym. The system aims to provide a comprehensive platform for gym administrators, trainers, and members to interact with each other and manage day-to-day gym activities efficiently. The current manual or semi-automated system is time-consuming, prone to errors, and lacks real-time data accessibility, which can negatively impact user experience and operational efficiency.

Project Description: The Gym Management System was developed to address inefficiencies in traditional gym management methods. It provides an all-encompassing digital platform for gym administrators, trainers, and members to streamline daily activities and enhance operational efficiency. The system resolves challenges associated with manual or semi-automated processes, such as time inefficiency, error proneness, and lack of real-time data access. This contributes to a better user experience and improved gym management.

Objectives of the Project:

1. Membership Management: Simplify the process of registering new members, managing member profiles, handling membership renewals, and tracking attendance.
2. Trainer and Staff Management: Enable efficient scheduling, assignment, and management of trainers and staff members.
3. Class Scheduling and Management: Allow members to view and book classes or training sessions, manage class schedules, and

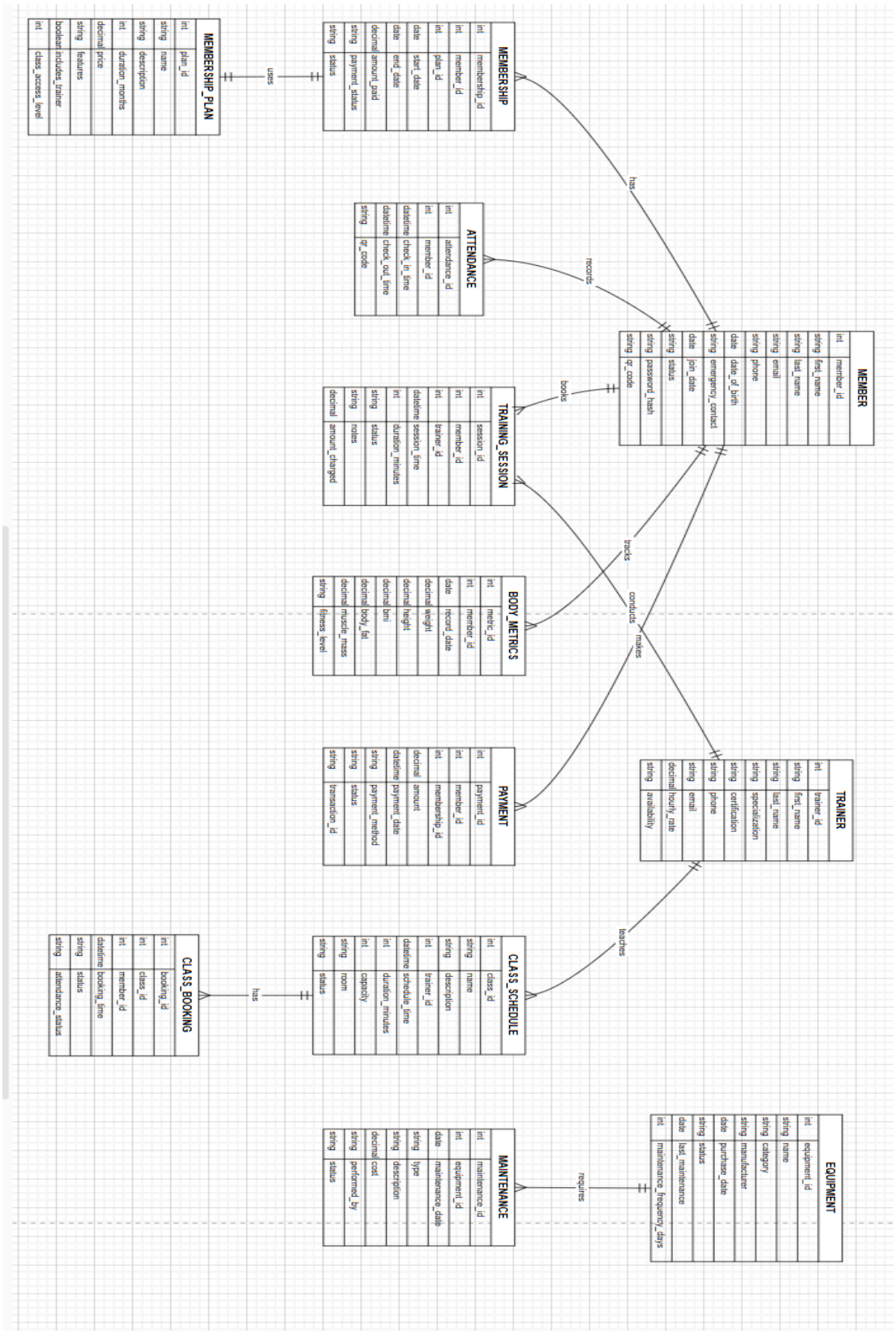
track class attendance.

4. Payment and Billing System: Automate membership fees, class fees, and other charges with options for different payment modes.
5. Equipment and Facility Maintenance: Track equipment usage, schedule maintenance, and manage service requests for gym facilities.
6. Communication Platform: Facilitate communication between members, trainers, and administrators through notifications and announcements.
7. Reporting and Analytics: Generate reports on key performance indicators, like member retention, equipment utilization, revenue, and class attendance.

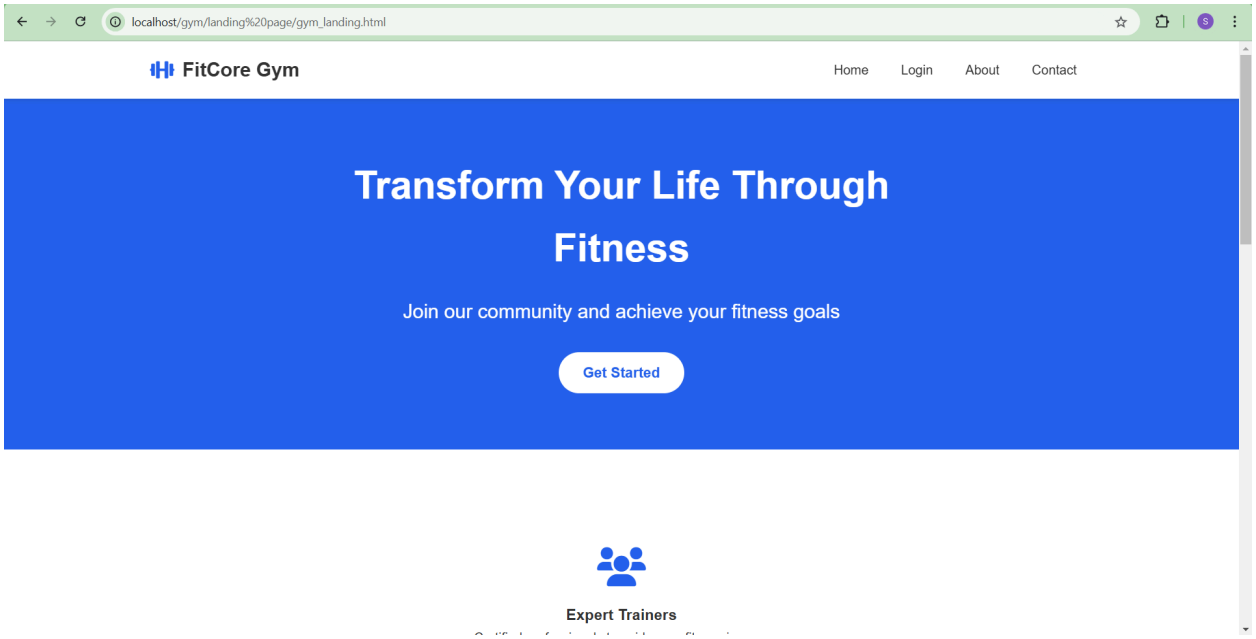
Technologies Used:

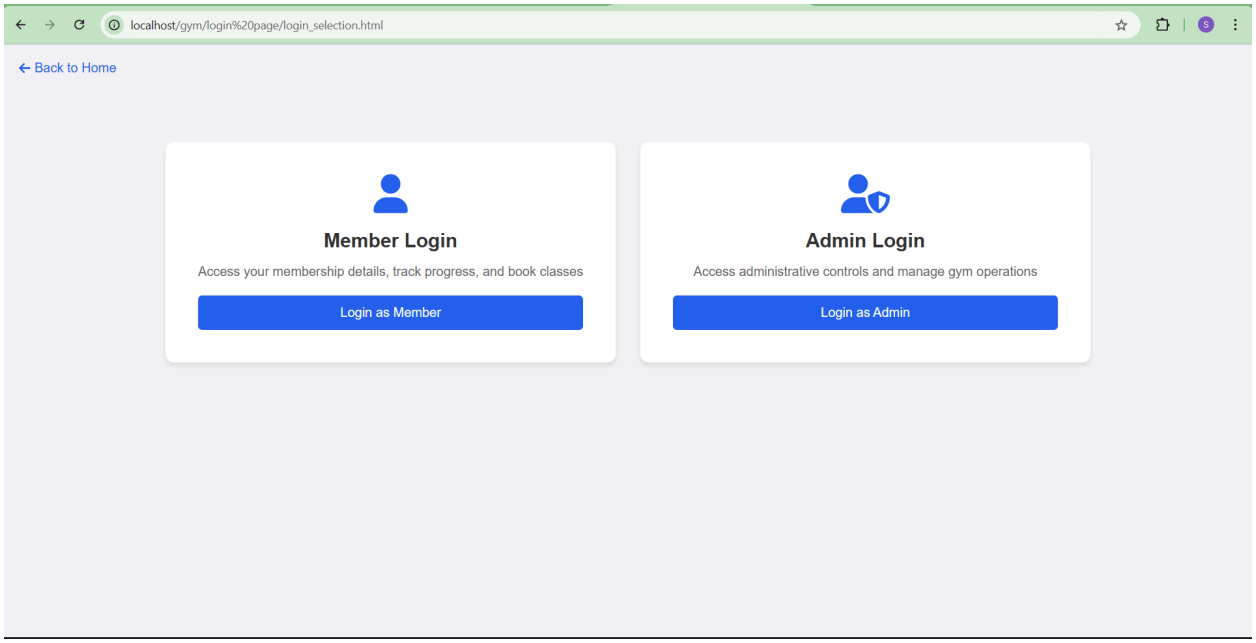
1. **Frontend:**
   Html, Css, Javascript
2. **Backend:**
   Php
3. **Database:**
   MySQL
4. **Tools:**
   VS Code, phpMyAdmin

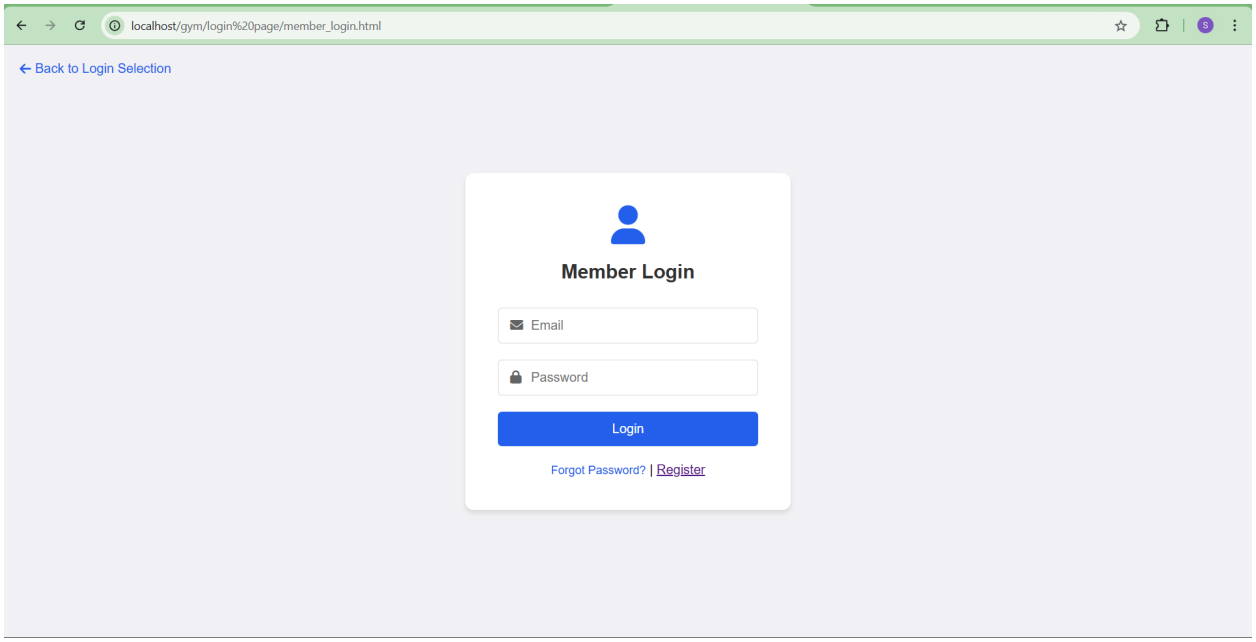
Data Flow Diagram:



Website Screenshot:



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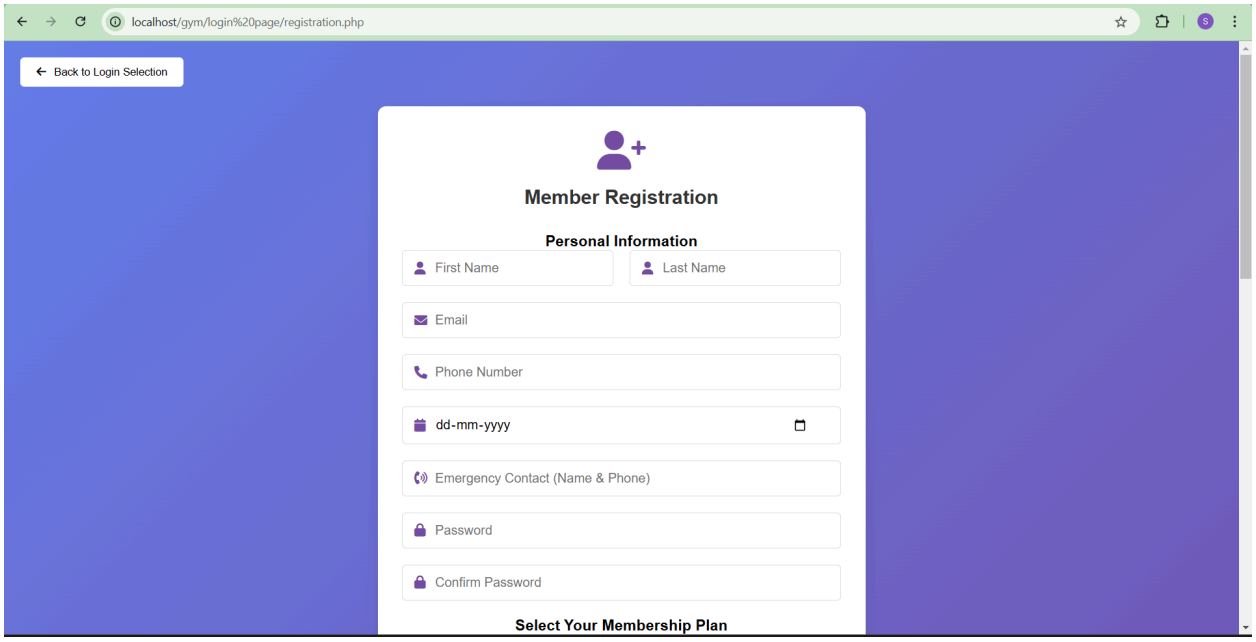
← Back to Login Selection
Member Login
Email
Password
Login
Forgot Password? | Register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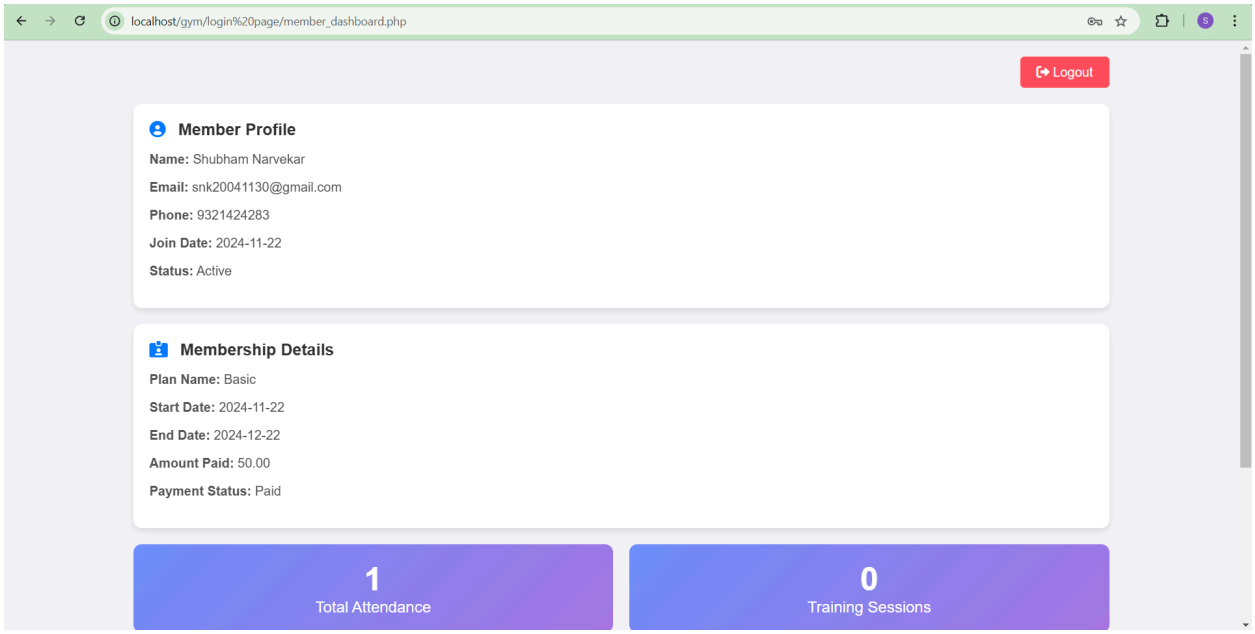
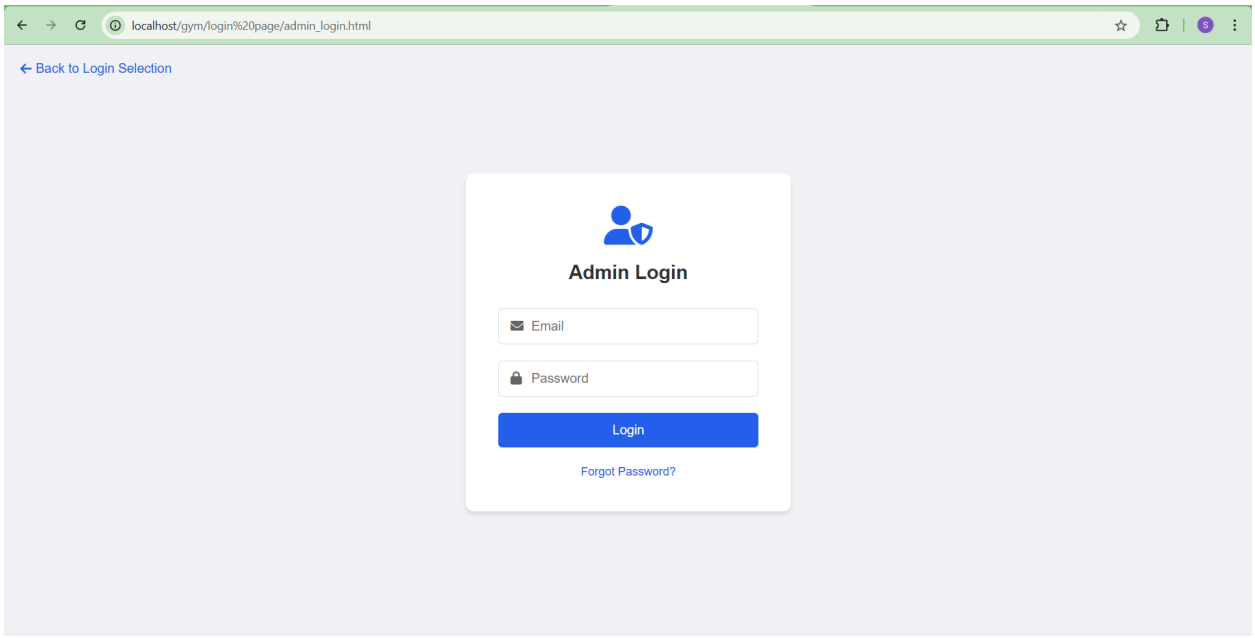
← Back to Login Selection
Member Registration
Personal Information
First Name
Last Name
Email
Phone Number
dd-mm-yyyy
Emergency Contact (Name & Phone)
Password
Confirm Password
Select Your Membership Plan


localhost/gym/login%20page/member_dashboard.php
Logout
Member Profile
Name: Shubham Narvekar
Email: snk20041130@gmail.com
Phone: 9321424283
Join Date: 2024-11-22
Status: Active
Membership Details
Plan Name: Basic
Start Date: 2024-11-22
End Date: 2024-12-22
Amount Paid: 50.00
Payment Status: Paid
1
Total Attendance
0
Training Sessions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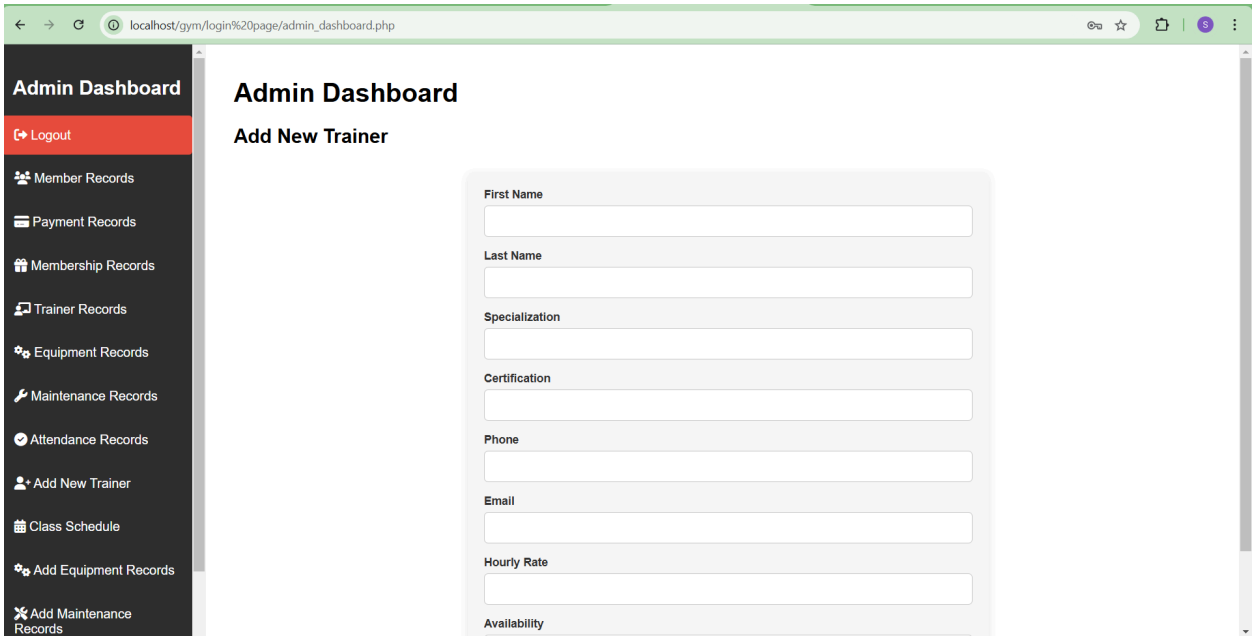
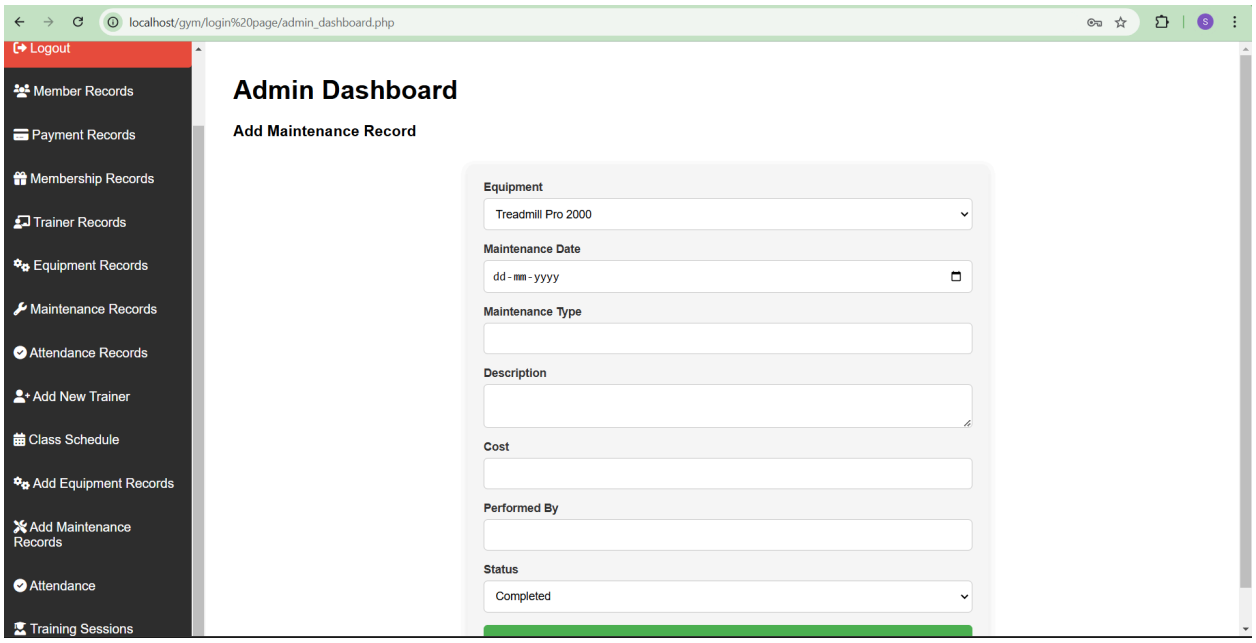
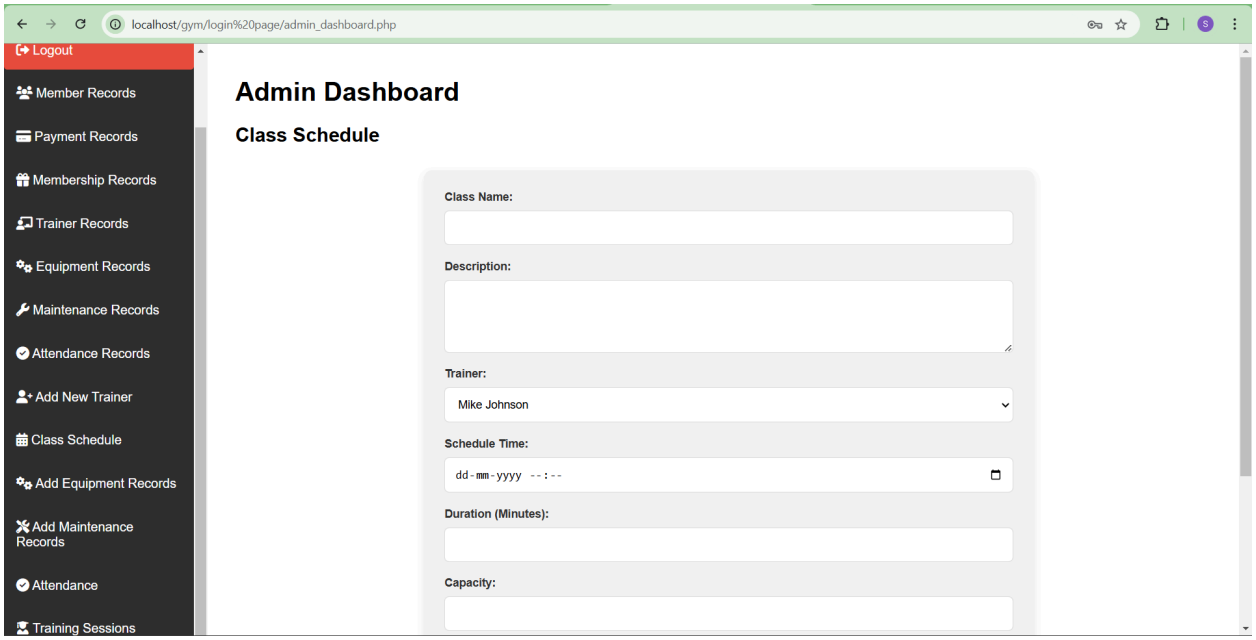
Back to Login Selection
Admin Login
Email
Password
Login
Forgot Password?


localhost/gym/login%20page/admin_dashboard.php
Admin Dashboard
Logout
Member Records
Payment Records
Membership Records
Trainer Records
Equipment Records
Maintenance Records
Attendance Records
Add New Trainer
Class Schedule
Add Equipment Records
Add Maintenance Records
Admin Dashboard
Add New Trainer
First Name
Last Name
Specialization
Certification
Phone
Email
Hourly Rate
Availability


localhost/gym/login%20page/admin_dashboard.php
Logout
Member Records
Payment Records
Membership Records
Trainer Records
Equipment Records
Maintenance Records
Attendance Records
Add New Trainer
Class Schedule
Add Equipment Records
Add Maintenance Records
Attendance
Training Sessions
Admin Dashboard
Add Maintenance Record
Equipment
Treadmill Pro 2000
Maintenance Date
dd-mm-yyyy
Maintenance Type
Description
Cost
Performed By
Status
Completed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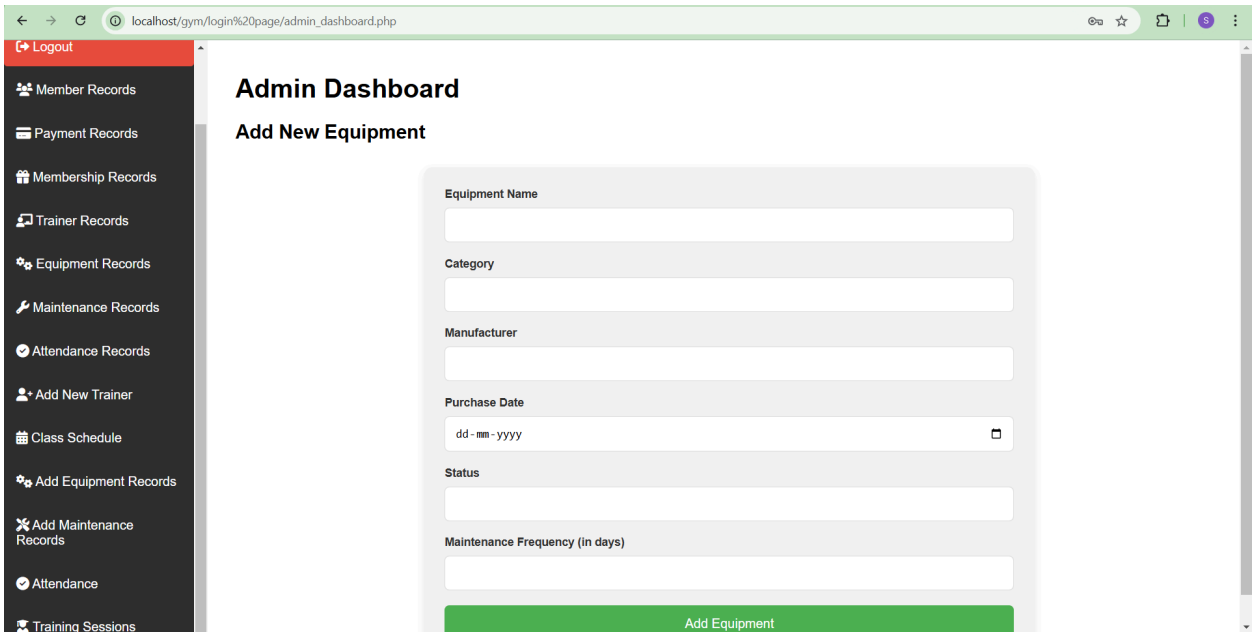
Logout
Member Records
Payment Records
Membership Records
Trainer Records
Equipment Records
Maintenance Records
Attendance Records
Add New Trainer
Class Schedule
Add Equipment Records
Add Maintenance Records
Attendance
Training Sessions
Admin Dashboard
Class Schedule
Class Name:
Description:
Trainer:
Mike Johnson
Schedule Time:
dd-mm-yyyy --:--
Duration (Minutes):
Capacity: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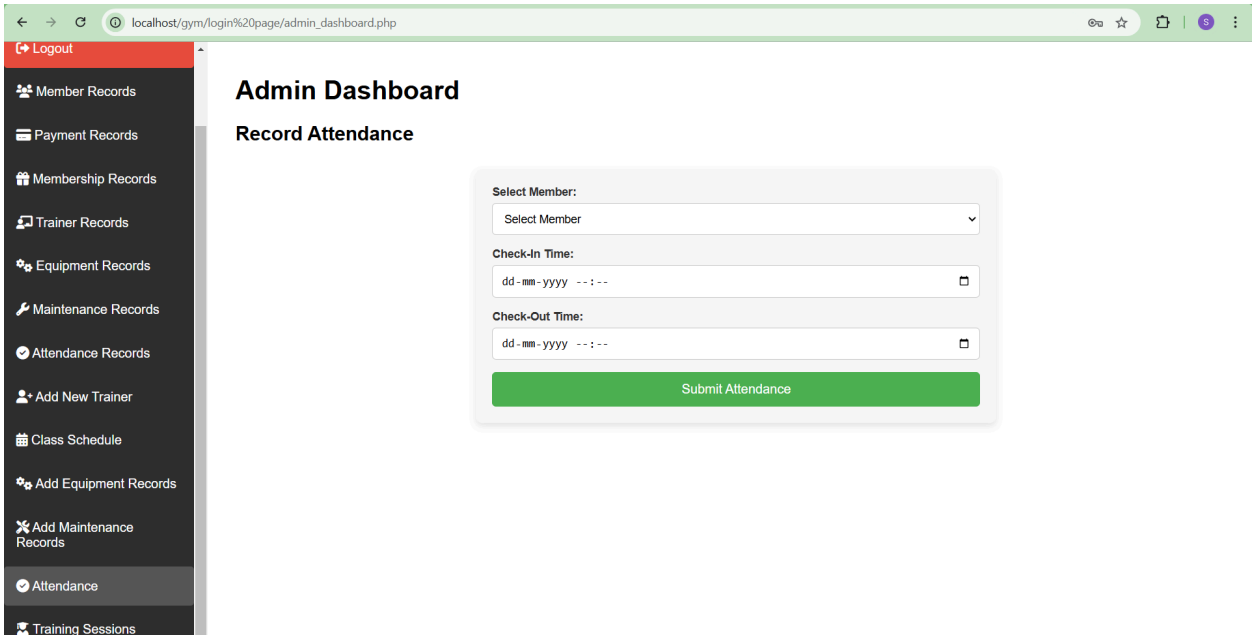
Logout
Member Records
Payment Records
Membership Records
Trainer Records
Equipment Records
Maintenance Records
Attendance Records
Add New Trainer
Class Schedule
Add Equipment Records
Add Maintenance Records
Attendance
Training Sessions
Admin Dashboard
Add New Equipment
Equipment Name
Category
Manufacturer
Purchase Date
dd-mm-yyyy
Status
Maintenance Frequency (in days)
Add Equipment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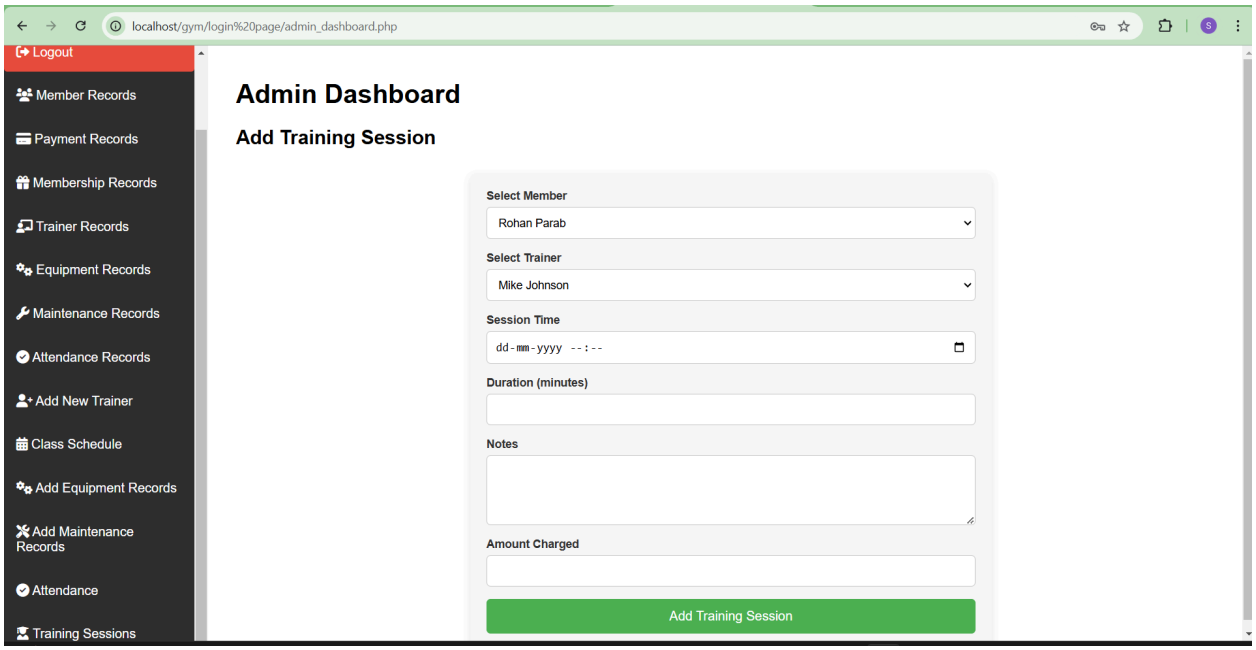
Logout
Member Records
Payment Records
Membership Records
Trainer Records
Equipment Records
Maintenance Records
Attendance Records
Add New Trainer
Class Schedule
Add Equipment Records
Add Maintenance Records
Attendance
Training Sessions
Admin Dashboard
Record Attendance
Select Member:
Select Member
Check-In Time:
dd-mm-yyyy --:--
Check-Out Time:
dd-mm-yyyy --:--
Submit Attendance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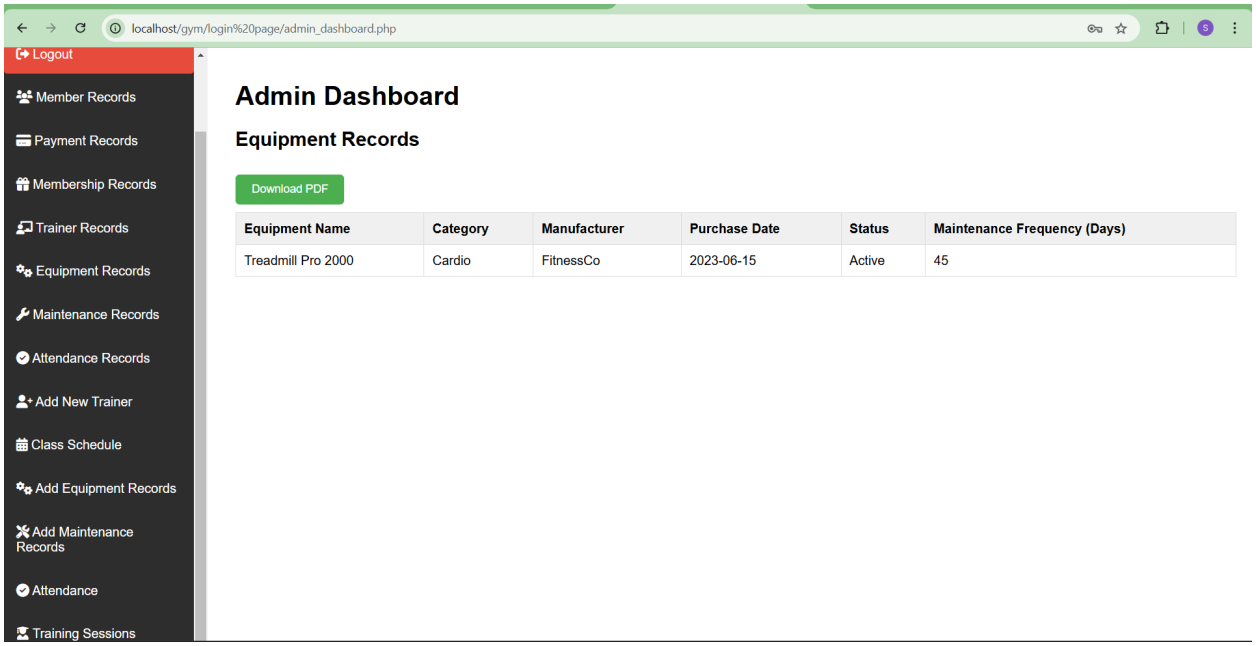
Logout
Member Records
Payment Records
Membership Records
Trainer Records
Equipment Records
Maintenance Records
Attendance Records
Add New Trainer
Class Schedule
Add Equipment Records
Add Maintenance Records
Attendance
Training Sessions
Admin Dashboard
Add Training Session
Select Member
Rohan Parab
Select Trainer
Mike Johnson
Session Time
dd-mm-yyyy --:--
Duration (minutes)
Notes
Amount Charged
Add Training Session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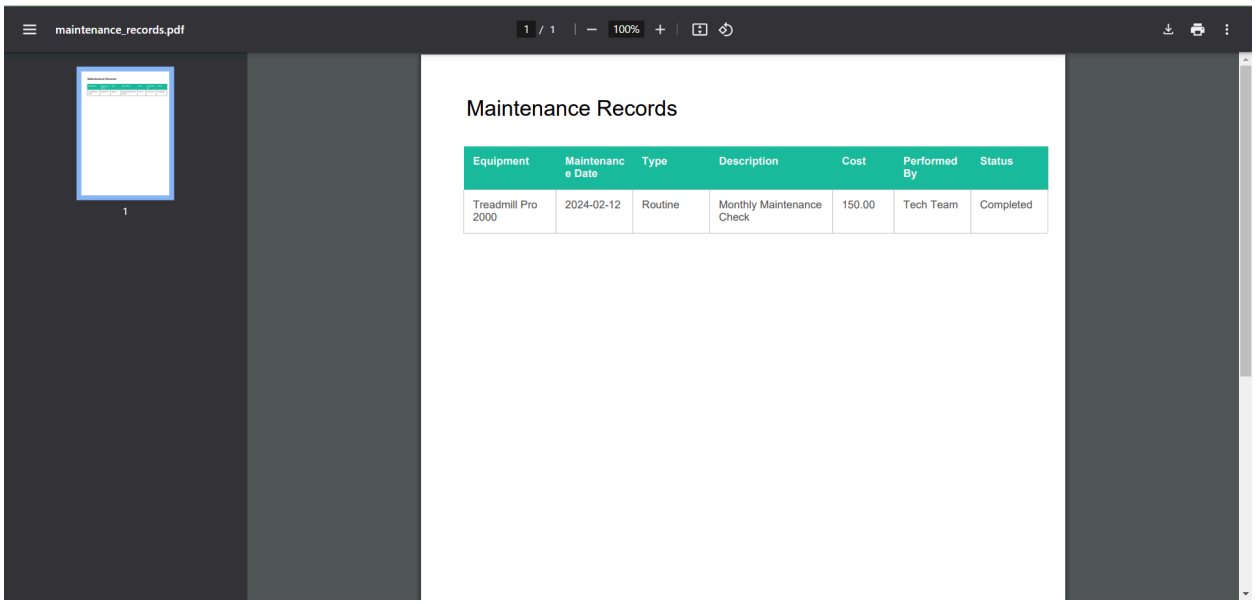
Logout
Member Records
Payment Records
Membership Records
Trainer Records
Equipment Records
Maintenance Records
Attendance Records
Add New Trainer
Class Schedule
Add Equipment Records
Add Maintenance Records
Attendance
Training Sessions
Admin Dashboard
Equipment Records
Download PDF
Equipment Name
Category
Manufacturer
Purchase Date
Status
Maintenance Frequency (Days)
Treadmill Pro 2000
Cardio
FitnessCo
2023-06-15
Active
45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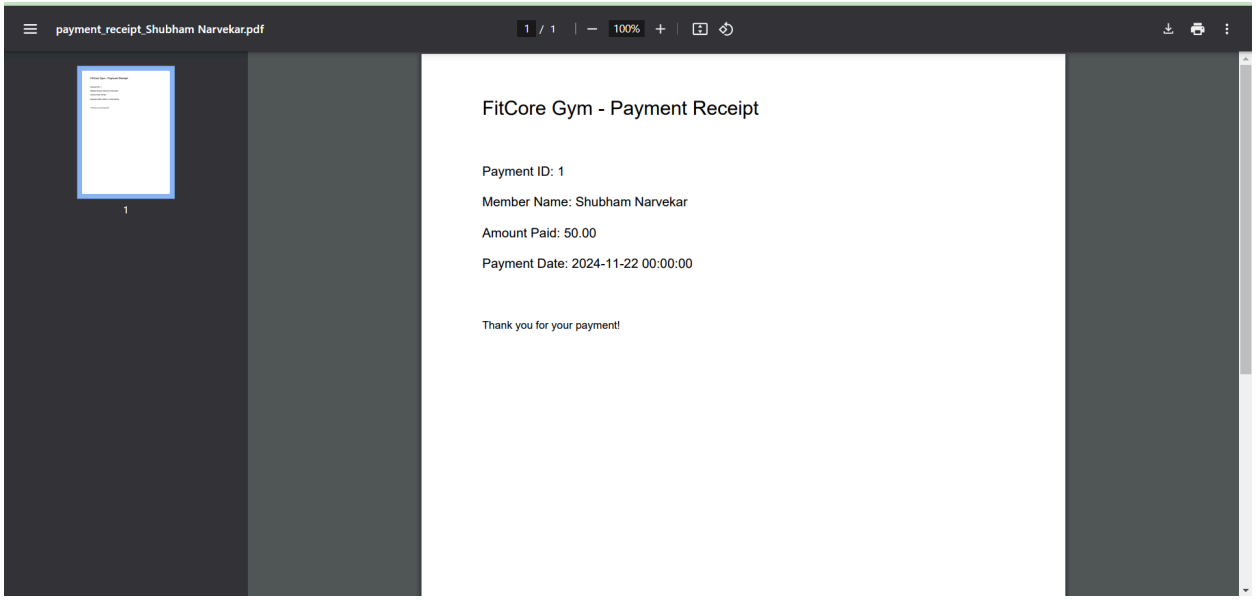
1 / 1
100%
1
Maintenance Records
Equipment
Maintenance Date
Type
Description
Cost
Performed By
Status
Treadmill Pro 2000
2024-02-12
Routine
Monthly Maintenance Check
150.00
Tech Team
Completed



This is my report where I gave the description of the project, technologies used in the project and some screenshots of the data flow diagram and website.