

Name- Riya Bhandari  
Internship Program- Core Java + SQL  
Batch- Core Java + Sql Intern  
Certificate Code-TCRIC3R101  
Date of submission- 15 April 2022



Technical Coding Research Innovation, Navi Mumbai,  
Maharashtra, India-410206

## (GYM Management System)

A Case-Study Submitted for the requirement of  
**Technical Coding Research Innovation**

For the Internship Project work done during

## CORE JAVA WITH SQL INTERNSHIP PROGRAM

**INNOVATION**  
by  
Riya Vivek Bhandari (TCRIC3R101)  
Salma Salim Chamanshaikh (TCRIC3R57)  
Saniya Rajesh Chitnis (TCRIC3R58)

Rutuja Doiphode  
CO-FOUNDER & CEO  
TCR Innovation

Name- Riya Bhandari  
Internship Program- Core Java + SQL  
Batch- Core Java + Sql Intern  
Certificate Code-TCRIC3R101  
Date of submission- 15 April 2022

## Abstract

The GYM Management system is an Application. This project is designed to facilitate a gymming and fitness center to automate its operations of keeping records such as personal details, payment info, membership plan etc. and store them in the database. The project was made in order to effectively and efficiently cater to requirements of the fitness center. Very frequently the person who generally holds the tasks to manage the center needs to keep records of all the transactions as well as data manually .Generally in order to structure these tasks Separate registers are maintained.This whole process thus becomes quite cumbersome for them to control manually. Moreover any wrong data entered mistakenly can bring serious results. That's why we've built this project to reduce workload, for time saving etc.

### I. Introduction

In this project GYM Management System. We've built an desktop application for how the information in the GYM System is managed.This is just an overview of management in the GYM System .It manages and maintains the records of Information of Members, Trainer, payment details etc.

**II. Problem Statement and Objectives :** It is very important to maintain efficient software to handle information about Gym members and trainers.This Gym Management System application provides an easy way to record this information and to access these in a simple way.

**III. Existing and Proposed System:** In the existing system the exams are done only manually but in the proposed system we have to computerize the exams using this application.

- Lack of security of data.
- More man power.
- Time consuming.
- Consumes a large volume of spare work.
- Needs manual calculations.
- No direct role for the higher officials

### IV. Features:

1.Fully Integrated Billing : Finding a fully integrated direct debit billing system allows you to enhance your payment management processes in a way that can save thousands in administration fees and paper

Name- Riya Bhandari  
Internship Program- Core Java + SQL  
Batch- Core Java + Sql Intern  
Certificate Code-TCRIC3R101  
Date of submission- 15 April 2022

trails. Leading systems will also include full scheduling options, auto suspension binding to payments, and effective reporting options.

**2.Powerful Reporting :** Powerful reporting capabilities allow you to stay in close contact with all business operations – utilizing real-time data to communicate a large array of different metrics. This provides you with the tools you need to stay on top of both financial circumstances and member interaction.

**3.Online member sign-on :** Online member sign-on capabilities are an important feature for gym management systems to have as they significantly increase the efficiency of on-boarding processes. Not only does online sign-on eliminate paper trails, but it also reduces the likelihood of missing contracts as double handling becomes a way of the past.

**4.Real-time No Pay – No Entry :** Real time No Pay – No Entry, comes as a direct benefit of integrated direct debit billing, however, it is only available across a very select few gym management systems. This makes it an important feature to look for when investing in a gym management software.

**5.Appointment Booking :** New appointment booking features now allow your gym management software to more effectively manage gym members, making their experience simple and seamless. This also allows your gym to take advantage of rostering features to best manage class sizes and staff allocation processes.

## V. Details of software and hardware :

### Software Requirements :

#### **Operating System :**

Windows 7,8,10,11

**Front End :** Java

**Back End :** My SQL

#### **IDE:**

**1. IntelliJ IDEA**

**2.My SQL Workbench**

#### **Min. Hardware Requirements :**

Desktop PC or Laptop

Intel® CoreTM i3-6006U CPU @2.00GHZ

4.00 GB RAM

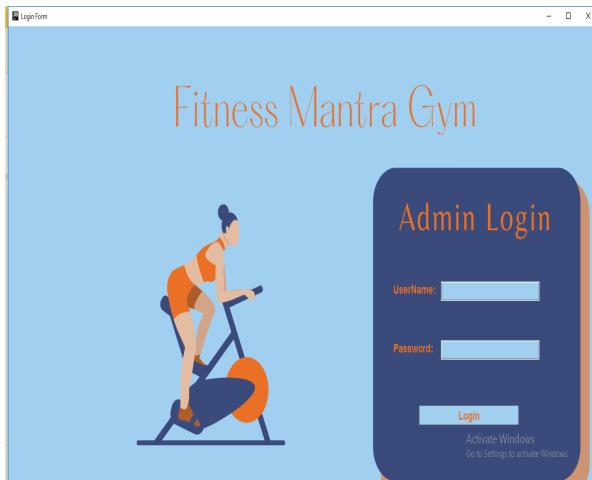
64-bit operating system, x64 based processor

Name- Riya Bhandari  
Internship Program- Core Java + SQL  
Batch- Core Java + Sql Intern  
Certificate Code-TCRIC3R101  
Date of submission- 15 April 2022

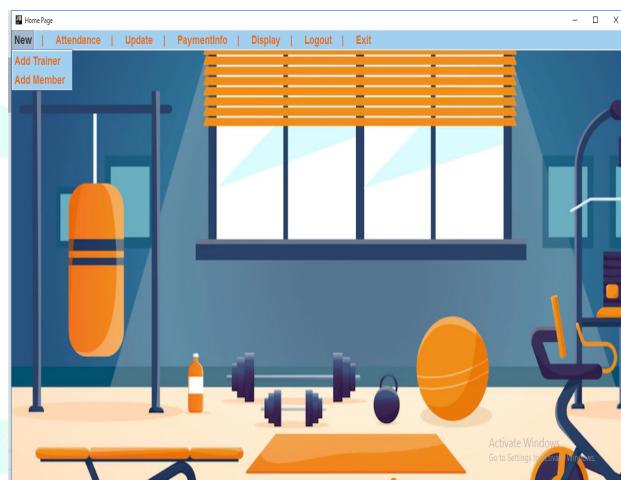
1024x768 monitor resolution

## VI ScreenShots of Project

Admin Login Page



Home Page



**INNOVATION**  
Add trainer      Add member

Name- Riya Bhandari  
Internship Program- Core Java + SQL  
Batch- Core Java + Sql Intern  
Certificate Code-TCRIC3R101  
Date of submission- 15 April 2022

Add Trainer



JB Add Trainer Form

Trainer Id :	<input type="text"/>
Firstname :	<input type="text"/>
Lastname :	<input type="text"/>
Email-Id :	<input type="text"/>
Address :	<input type="text"/>
Phone :	<input type="text"/>
Gender :	Male <input type="button" value="Male"/>

Save  Cancel

Add Member



JB Add Member Form

Member Id :	<input type="text"/>
Receipt No :	<input type="text"/>
Firstname :	<input type="text"/>
Lastname :	<input type="text"/>
Email-Id :	<input type="text"/>
Address :	<input type="text"/>
Phone :	<input type="text"/>
Gender :	Male <input type="button" value="Male"/>
Plan :	3 Month <input type="button" value="3 Month"/>

## Member Attendance

JB Member attendance

Member Attendance

Receipt No	<input type="text"/>
Select Time	Morning Time <input type="button" value="Morning Time"/>
Take Attendance	Absent <input type="button" value="Absent"/>

Submit  Cancel

## Trainer Attendance

JB trainer attendance

Trainer Attendance

Trainer Id	<input type="text"/> 2
Morining Time	Absent <input type="button" value="Absent"/>
Evening Time	Absent <input type="button" value="Absent"/>

Submit  Cancel

## Update Trainer

## Update Member

Name- Riya Bhandari  
 Internship Program- Core Java + SQL  
 Batch- Core Java + Sql Intern  
 Certificate Code-TCRIC3R101  
 Date of submission- 15 April 2022

**Add Trainer Form**

### Update Trainer



Trainer Id :   
 Firstname :   
 Lastname :   
 Email-Id :   
 Address :   
 Phone :   
 Gender :

**Update** **Cancel**

**Add Member Form**

### Update Member



Member Id :   
 Receipt No :   
 Firstname :   
 Lastname :   
 Email-Id :   
 Address :   
 Phone :   
 Gender :   
 Plan :

**Update** **Cancel**

Payment-info Trainer

Payment-info Member

**trainer fees**

### Trainer Fees

Trainer ID :   
 Name :   
 Category :   
 Charge fees per client :

**Submit** **Cancel**

**Customer Fees**

### Pay Fees

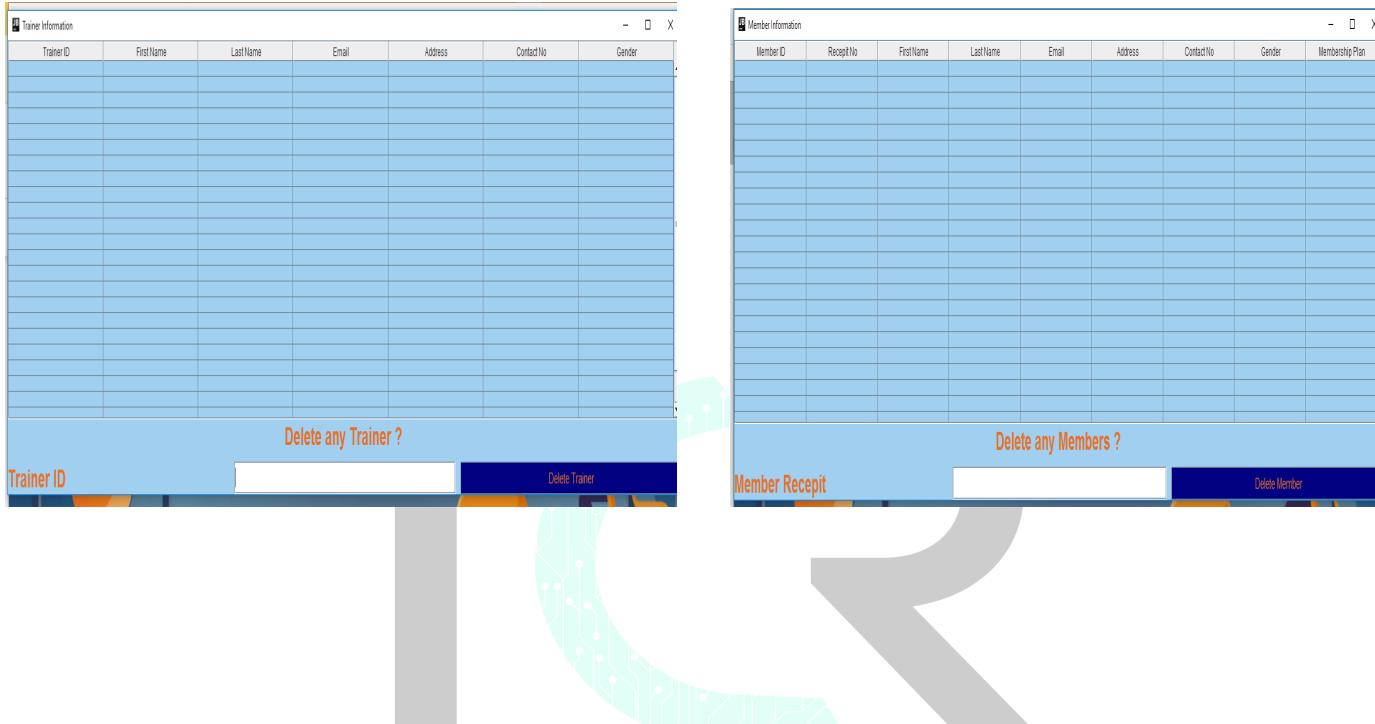
Receipt ID :   
 Name :   
 Category :   
 Trainer Name :   
 Month :   
 Charge fees per Month :

**Submit** **Cancel**

Display Trainer-Info

Display Member-Info

Name- Riya Bhandari  
 Internship Program- Core Java + SQL  
 Batch- Core Java + Sql Intern  
 Certificate Code-TCRIC3R101  
 Date of submission- 15 April 2022



## VII Database Screenshot:

Add Trainer Table

Result Grid						Filter Rows:	Export:	Wrap Cell	
Field	Type	Null	Key	Default	Extra				
TId	int	YES		NULL					
FirstName	varchar(50)	YES		NULL					
LastName	varchar(50)	YES		NULL					
Email	varchar(100)	YES		NULL					
Address	varchar(100)	YES		NULL					
Phone	varchar(10)	YES		NULL					
Gender	varchar(10)	YES		NULL					

Result Grid							Filter Rows:	Export:	Wrap Cell Content	
Field	Type	Null	Key	Default	Extra					
MId	int	YES	YES	NULL						
ReceiptNo	int	YES	YES	NULL						
FirstName	varchar(50)	YES	YES	NULL						
LastName	varchar(50)	YES	YES	NULL						
Email	varchar(100)	YES	YES	NULL						
Address	varchar(100)	YES	YES	NULL						
Phone	varchar(10)	YES	YES	NULL						
Gender	varchar(10)	YES	YES	NULL						
MembershipPlan	varchar(10)	YES	YES	NULL						

Name- Riya Bhandari  
 Internship Program- Core Java + SQL  
 Batch- Core Java + Sql Intern  
 Certificate Code-TCRIC3R101  
 Date of submission- 15 April 2022

## Trainer Attendance

Field	Type	Null	Key	Default	Extra
tid	int	YES		NULL	
mng_attn	varchar(50)	YES		NULL	
evg_attn	varchar(50)	YES		NULL	
data	varchar(50)	YES		NULL	

## Member Attendance

Field	Type	Null	Key	Default	Extra
ReceiptNo	int	YES		NULL	
time	varchar(50)	YES		NULL	
attendance	varchar(50)	YES		NULL	
data	varchar(50)	YES		NULL	

Fees Trainer

Fees Member

Field	Type	Null	Key	Default	Extra
id	int	YES		NULL	
name	varchar(50)	YES		NULL	
category	varchar(50)	YES		NULL	
fess	int	YES		NULL	

Field	Type	Null	Key	Default	Extra
id	int	YES		NULL	
name	varchar(50)	YES		NULL	
category	varchar(50)	YES		NULL	
fess	int	YES		NULL	
month	varchar(50)	YES		NULL	
trainer_name	varchar(50)	YES		NULL	

**Conclusion :** The gym system works efficiently as a gym management system. It is robust and will not crash while running in the event of user input error or user misuse. The system could be expanded to cater to large gyms.