

GYM MANAGEMENT SYSTEM

ABSTRACT: This project “ GYM MANAGEMENT SYSTEM” IS A SOLUTION FITNESS CENTRES TO MANAGE THE CUSTOMER IN AN EASIER AND IN MORE CONVENIENT WAY.THE ADMINISTRATOR IS ABLE TO VIEW ALL THE MEMBERS OF THE FITNESS CENTRE AS WELL AS THEIR DETAILS.IT IS A COMPUTER-BASES PROGRAM AND IT MANAGES THE GYM MEMBERS,THE PERSONEL AND THE INVENTORY.THIS SYSTEM ALSO MAINTAINS THE CLIENT DETAILS,TO PROVIDE THE VALUABLE REPORTS REGARDING THE PROGRESS OF THE GYM MEMBER.

OBJECTIVE :

* THE MAIN OBJECTIVE OF “GYM MANAGEMENT SYSTEM” IS TO DEVELOP SOFTWARE THAT FACILITATES THE DATA STORAGE, DATA MAINTENANCE AND ITS RETRIEVAL FOE THE GYM IN AN IGNEOUS WAY.

- TO STORE THE RECORD OF THE CUSTOMERS,THE STAFF THAT HAS THE PRIVILEGES TO ACCESS MODIFY AND DELETE ANY RECORD AND FINALLY THE SERVICE THAT GYM PROVIDES TO ITS CUSTOMER.
- ALSO,ONLY THE STAFF HAS THE PRIVLIEGE TO ACCESS ANY DATABASE AND MAKE THE REQUIRED CHANGES,IF NECESSARY.
- TO DEVELOP EASY TO USE SOFTWARE WHICH HANDLES THE CUSTOMER-STAFF RELATIONSHIP IN AN EFFECTIVE MANNER.

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STRUCTURE OF THE TABLE

CLIENT:

THIS TABLE CONTAINS THE DETAILS OF ALL THE CLIENT WHICH INCLUDE THE CLIENT_ID, FIRST_NAME, LAST_NAME, GENDER, AGE, ADDRESS, EMAIL, PASSWORD.

```
MariaDB [gym]> desc client;
```

Field	Type	Null	Key	Default	Extra
client_id	int(11)	NO	PRI	NULL	
first_name	varchar(255)	YES		NULL	
last_name	varchar(255)	YES		NULL	
gender	varchar(100)	YES		NULL	
age	bigint(20)	YES		NULL	
address	varchar(255)	YES		NULL	
email	varchar(255)	YES		NULL	
password	int(10)	YES		NULL	

MEMBERSHIP:

THIS TABLES INCLUDES THE DEATAILS OF ALL THE MEMBERSHIP WHICH INCLUDES MEM_ID, CLIENT_ID, STATUS, DATE.

```
MariaDB [gym]> desc membership;
```

Field	Type	Null	Key	Default	Extra
mem_id	varchar(255)	NO	PRI	NULL	
client_id	int(11)	YES	MUL	NULL	
status	varchar(100)	YES		NULL	
date	date	YES		NULL	

4 rows in set (0.016 sec)

[Type here]

TRANSACTION:

THIS TABLE CONTAINS THE DETAILS OF CLIENT TRANSACTIONS. WHICH INCLUDES TRANS_ID,TRANS_NAME,CLIENT_ID,AMOUNT,DATE.

```
MariaDB [gym]> desc transaction;
```

Field	Type	Null	Key	Default	Extra
trans_id	varchar(255)	NO	PRI	NULL	
trans_name	varchar(255)	YES		NULL	
client_id	int(11)	YES	MUL	NULL	
amount	bigint(20)	YES		NULL	
date	date	YES		NULL	

5 rows in set (0.016 sec)

TRAINER:

THIS TABLE CONTAINS THE DETAILS OF THE TRAINER WHICH INCLUDE TRAINER_NAME,CLIENT_ID,SCHED_TIME.

```
MariaDB [gym]> desc trainer;
```

Field	Type	Null	Key	Default	Extra
trainer_name	varchar(255)	YES		NULL	
client_id	int(11)	YES	MUL	NULL	
sched_time	varchar(255)	YES		NULL	

3 rows in set (0.015 sec)

[Type here]

CONTENT OF THE TABLE

CLIENT

```
ariaDB [(none)]> use gym;
Database changed
ariaDB [gym]> select * from client;
```

client_id	first_name	last_name	gender	age	address	email	password
1	DEEPAK	HOKE	MALE	20	MUMBAI	deepak@gmail.com	1234
2	DHIRAJ	NAVLE	MALE	21	MUMBAI	dhiraj@gmail.com	1235
3	SURAJ	PATIL	MALE	22	MUMBAI	suraj@gmail.com	1236
4	ROHIT	MASAL	MALE	22	MUMBAI	rohit@gmail.com	1238
5	ASHOK	SHARMA	MALE	25	PUNE	ashok@gmail.com	1239
6	VIJAY	SHENDE	MALE	21	MULUND	shende@gmail.com	1237
7	RUTUJA	MANE	FEMALE	24	CHEMBHUR	rutuja@gmail.com	1254
8	SAKSHI	SHINDE	FEMALE	22	VASHI	sakshi@gmail.com	1256
9	SAI	SANAS	MALE	23	THANE	sai@gmail.com	1278
10	TUSHAR	DONDE	MALE	25	AIROLI	tushar@gmail.com	1264
11	ANIL	TILEKAR	MALE	25	MUMBAI	anil@gmail.com	1224
12	KALAYNI	MOHITE	FEMALE	22	BHANDHUP	kalayni@gmail.com	1273
13	MAULI	NEMANE	MALE	22	RABALE	mauli@gmail.com	1225
14	VINAY	BALE	MALE	25	GHANSOLI	vinay@gmail.com	1121
15	BHEEM	KALE	MALE	27	GHANSOLI	bheem@gmail.com	1145
16	PAYAL	GOLE	FEMALE	20	CHEMBUR	payal@gmail.com	1212
17	MOHAN	GULE	MALE	22	KRULA	mohan@gmail.com	1256
18	KRISHNA	SORDE	MALE	23	THANE	krishna@gmail.com	1223
19	NEHA	KAPOOR	FEMALE	23	KOPARKHAIRNE	neha@gmail.com	1185
20	MAHESH	KAPSE	MALE	22	BONKODE	mahesh@gmail.com	1255

```
20 rows in set (0.056 sec)
```

[Type here]

MEMBERSHIP:

```
MariaDB [gym]> select * from membership;
```

mem_id	client_id	status	date
A123	1	ACTIVE	2023-02-01
A124	2	ACTIVE	2023-02-02
A125	3	ACTIVE	2023-02-03
A126	4	ACTIVE	2023-02-04
A127	5	ACTIVE	2023-02-05
A128	6	ACTIVE	2023-02-06
A129	7	INACTIVE	2023-02-07
A130	8	INACTIVE	2023-02-08
A131	9	INACTIVE	2023-02-09
A132	10	INACTIVE	2023-02-09
A133	11	DEAD	2023-02-10
A134	12	DEAD	2023-02-11
A135	13	DEAD	2023-02-12
A136	16	DEAD	2023-02-13
A137	17	DEAD	2023-02-14
A138	18	ACTIVE	2023-02-15
A140	20	ACTIVE	2023-02-16
A141	14	ACTIVE	2023-02-18
A142	15	ACTIVE	2023-02-19
A143	19	ACTIVE	2023-02-20

```
20 rows in set (0.018 sec)
```

[Type here]

TRANSACTION:

```
MariaDB [gym]> select * from transaction;
```

trans_id	trans_name	client_id	amount	date
T1234567810	PAYAL	16	10000	2023-01-15
T1234567811	SAI	7	10000	2023-01-14
T1234567812	DHIRAJ	2	10000	2023-01-03
T1234567813	SURAJ	3	12000	2023-01-03
T1234567815	TUSHAR	8	10000	2023-01-18
T1234567816	ANIL	9	12000	2023-01-19
T1234567817	KALAYANI	10	11000	2023-01-20
T1234567818	MAULI	11	13000	2023-01-21
T1234567819	MOHAN	17	5000	2023-01-18
T1234567821	KRISHNA	18	6000	2023-01-20
T1234567823	VINAY	14	8000	2023-01-12
T1234567829	BHEEM	15	9000	2023-01-13
T1234567882	MAHESH	20	12000	2023-01-22
T1234567889	NEHA	19	9000	2023-01-21
T1234567891	DEEPAK	1	100000	2023-01-01
T1234567892	ROHIT	4	5000	2023-01-08
T1234567893	ASHOK	5	8000	2023-01-09
T1234567897	VIJAY	6	4000	2023-01-02
T1234567898	RUTUJA	7	9000	2023-01-05
T1234567899	SAKSHI	7	7000	2023-01-06

20 rows in set (0.012 sec)

[Type here]

TRAINOR:

```
mariaDB [gym]> select * from trainor;
```

trainor_name	client_id	sched_time
RAJ MANE	1	5 am to 7 am
RAJ MANE	2	5 am to 7 am
RAJ MANE	3	5 am to 7 am
RAJ MANE	4	5 am to 7 am
RAHUL SAPKAL	5	7 am to 9 am
RAHUL SAPKAL	6	7 am to 9 am
RAHUL SAPKAL	7	7 am to 9 am
RAHUL SAPKAL	8	7 am to 9 am
RAHUL SAPKAL	9	7 am to 9 am
RUTURAJ PATIL	10	9 am to 11 am
RUTURAJ PATIL	11	9 am to 11 am
RUTURAJ PATIL	12	9 am to 11 am
RUTURAJ PATIL	13	9 am to 11 am
ANIKET KOTEIN	14	11 am to 1 pm
ANIKET KOTEIN	15	11 am to 1 pm
ANIKET KOTEIN	16	11 am to 1 pm
ANIKET KOTEIN	17	11 am to 1 pm
AKSHAY SHELAR	18	3 pm to 5 pm
AKSHAY SHELAR	19	3 pm to 5 pm
AKSHAY SHELAR	20	3 pm to 5 pm

```
20 rows in set (0.015 sec)
```

[Type here]

SUBQUERIES

- 1) SHOW THE DETAILS OF GYM WHERE THE CLIENT ARE FROM MUMBAI.

```
SELECT * FROM CLIENT
WHERE ADDRESS IN
(SELECT ADDRESS FROM CLIENT WHERE
ADDRESS="MUMBAI");
```

```
ariaDB [gym]> select * from client where address in(select address from client where address="mumbai");
```

client_id	first_name	last_name	gender	age	address	email	password
1	DEEPAK	HOKE	MALE	20	MUMBAI	deepak@gmail.com	1234
2	DHIRAJ	NAVLE	MALE	21	MUMBAI	dhiraj@gmail.com	1235
3	SURAJ	PATIL	MALE	22	MUMBAI	suraj@gmail.com	1236
4	ROHIT	MASAL	MALE	22	MUMBAI	rohit@gmail.com	1238
11	ANIL	TILEKAR	MALE	25	MUMBAI	anil@gmail.com	1224

```
rows in set (0.009 sec)
```

- 2) SHOW TRANSACTION USER NAME,DATEAND AMOUNT OF THE CLIENT WHERE CLIENT AMOUNT >8000.

```
ariaDB [gym]> select trans_name,amount,date from transaction where trans_name IN(select trans_name from transaction where amount >8000);
```

trans_name	amount	date
PAYAL	10000	2023-01-15
SAI	10000	2023-01-14
DHIRAJ	10000	2023-01-03
SURAJ	12000	2023-01-03
TUSHAR	10000	2023-01-18
ANIL	12000	2023-01-19
KALAYANI	11000	2023-01-20
MAULI	13000	2023-01-21
BHEEM	9000	2023-01-13
MAHESH	12000	2023-01-22
NEHA	9000	2023-01-21
RUTUJA	9000	2023-01-05

```
2 rows in set (0.001 sec)
```

```
ariaDB [gym]>
```


[Type here]

3) SHOW THE DETAILS OF CLIENT WHO HAS MINIMUM AGE.

```
riaDB [gym]> select * from client where age =(select min(age) from client);
```

client_id	first_name	last_name	gender	age	address	email	password
1	DEEPAK	HOKE	MALE	20	MUMBAI	deepak@gmail.com	1234
16	PAYAL	GOLE	FEMALE	20	CHEMBUR	payal@gmail.com	1212

```
rows in set (0.006 sec)
```

[Type here]

VIEW

- 1) CREATE VIEW FOR CLIENT AND SHOW THE DETAIL OF CLIENT_ID,FIRST_NAME,LAST_NAME.

```
mariaDB [gym]> create view gym as select client_id,first_name,last_name from client where first_name='dhiraj';
Query OK, 0 rows affected (0.007 sec)

mariaDB [gym]> show tables;
+-----+
Tables_in_gym |
+-----+
client         |
gym            |
male_client    |
membership     |
mumbai_client  |
reports        |
trainor        |
transaction    |
+-----+
8 rows in set (0.001 sec)

mariaDB [gym]> select * from gym;
+-----+-----+-----+
client_id | first_name | last_name |
+-----+-----+-----+
2 | DHIRAJ    | NAVLE    |
+-----+-----+-----+
1 row in set (0.001 sec)
```

[Type here]

2) CREATE A VIEW FOR CLIENT WHERE THERE ARE ONLY MALE CLIENT.

```
mariaDB [gym]> create view male_client as select * from client where gender='male';
Query OK, 0 rows affected (0.014 sec)

mariaDB [gym]> show tables;
+-----+
Tables_in_gym |
+-----+
client         |
male_client    |
membership     |
reports        |
trainor        |
transaction    |
+-----+
5 rows in set (0.004 sec)

mariaDB [gym]> select * from male_client;
+-----+-----+-----+-----+-----+-----+-----+-----+
client_id | first_name | last_name | gender | age | address | email | password |
+-----+-----+-----+-----+-----+-----+-----+-----+
1 | DEEPAK | HOKE | MALE | 20 | MUMBAI | deepak@gmail.com | 1234 |
2 | DHIRAJ | NAVLE | MALE | 21 | MUMBAI | dhiraj@gmail.com | 1235 |
3 | SURAJ | PATIL | MALE | 22 | MUMBAI | suraj@gmail.com | 1236 |
4 | ROHIT | MASAL | MALE | 22 | MUMBAI | rohit@gmail.com | 1238 |
5 | ASHOK | SHARMA | MALE | 25 | PUNE | ashok@gmail.com | 1239 |
6 | VIJAY | SHENDE | MALE | 21 | MULUND | shende@gmail.com | 1237 |
9 | SAI | SANAS | MALE | 23 | THANE | sai@gmail.com | 1278 |
10 | TUSHAR | DONDE | MALE | 25 | AIROLI | tushar@gmail.com | 1264 |
11 | ANIL | TILEKAR | MALE | 25 | MUMBAI | anil@gmail.com | 1224 |
13 | MAULI | NEMANE | MALE | 22 | RABALE | mauli@gmail.com | 1225 |
14 | VINAY | BALE | MALE | 25 | GHANSOLI | vinay@gmail.com | 1121 |
15 | BHEEM | KALE | MALE | 27 | GHANSOLI | bheem@gmail.com | 1145 |
17 | MOHAN | GULE | MALE | 22 | KRULA | mohan@gmail.com | 1256 |
18 | KRISHNA | SORDE | MALE | 23 | THANE | krishna@gmail.com | 1223 |
20 | MAHESH | KAPSE | MALE | 22 | BONKODE | mahesh@gmail.com | 1255 |
+-----+-----+-----+-----+-----+-----+-----+-----+
15 rows in set (0.005 sec)
```

[Type here]

3).CREATE VIEW OF GYM WHERE CLIENT ARE FROM MUMBAI.

```
mariaDB [gym]> create view mumbai_client as select * from client where address='mumbai';
Query OK, 0 rows affected (0.006 sec)

mariaDB [gym]> show tables;
+-----+
Tables_in_gym |
+-----+
client         |
male_client    |
membership     |
mumbai_client  |
reports        |
trainor        |
transaction    |
+-----+
7 rows in set (0.001 sec)

mariaDB [gym]> select * from mumbai_client;
+-----+-----+-----+-----+-----+-----+-----+-----+
client_id | first_name | last_name | gender | age | address | email | password |
+-----+-----+-----+-----+-----+-----+-----+-----+
1 | DEEPAK | HOKE | MALE | 20 | MUMBAI | deepak@gmail.com | 1234 |
2 | DHIRAJ | NAVLE | MALE | 21 | MUMBAI | dhiraj@gmail.com | 1235 |
3 | SURAJ | PATIL | MALE | 22 | MUMBAI | suraj@gmail.com | 1236 |
4 | ROHIT | MASAL | MALE | 22 | MUMBAI | rohit@gmail.com | 1238 |
11 | ANIL | TILEKAR | MALE | 25 | MUMBAI | anil@gmail.com | 1224 |
+-----+-----+-----+-----+-----+-----+-----+-----+
5 rows in set (0.001 sec)
```

[Type here]

BASIC QUERIES

1)FIND FIRST_NAME OF CLIENT WHOSE FIRST LEETER STARTS WITH 'D'

```
MariaDB [gym]> select distinct first_name from client where first_name like 'D%';
```

first_name
DEEPAK
DHIRAJ

```
2 rows in set (0.001 sec)
```

2)FIND CLIENT_ID,FIRST_NAME OF CLIENT WHOSE AGE IS GREATER THAN 22.

```
MariaDB [gym]> select client_id,first_name from client where age >22;
```

client_id	first_name
5	ASHOK
7	RUTUJA
9	SAI
10	TUSHAR
11	ANIL
14	VINAY
15	BHEEM
18	KRISHNA
19	NEHA

```
9 rows in set (0.000 sec)
```