GYM MANAGEMENT SYSTEM

Group No. 21

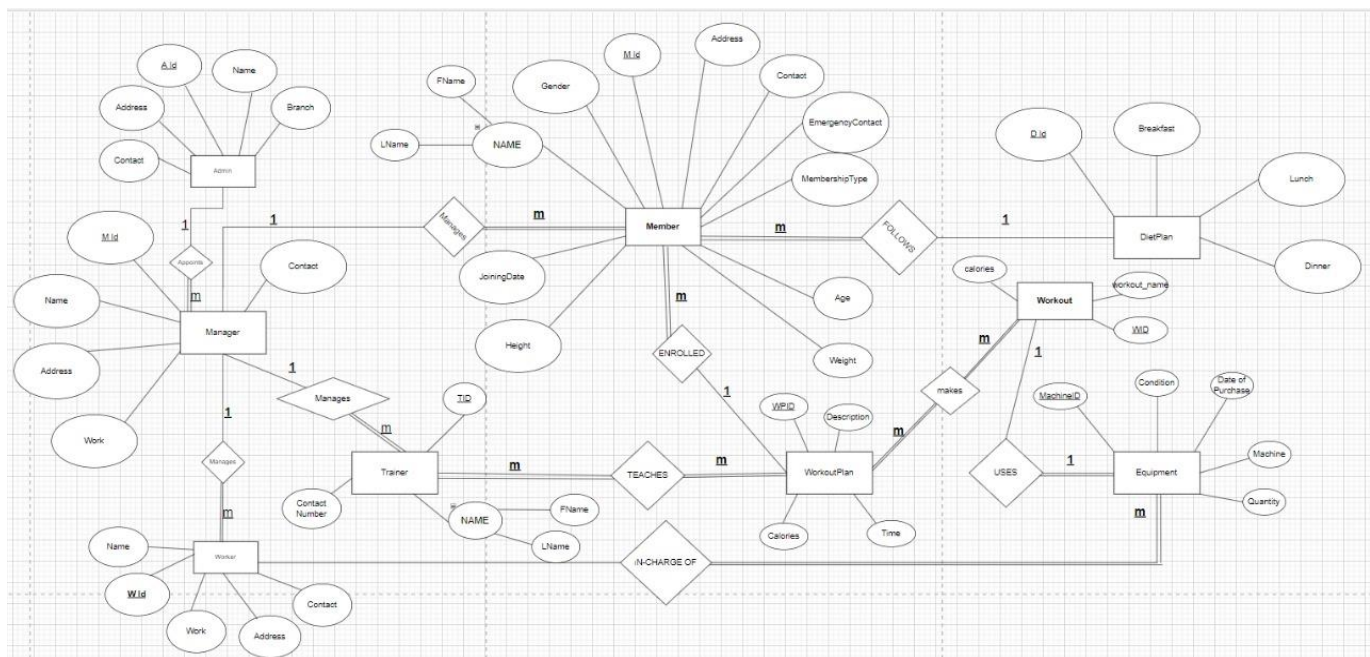Kartikeya Dubey 2020A7PS0031H

Supratik Patnaik 2020A7PS1696H

Tanmay Agarwal 2020A7PS2057H

Abhiraj Khare   2020A7PS0161H

Abstract

Gym management system is used to manage all the branches of the gym, the members of the gym, workers, trainers and the managers. The system can be used by any gym franchise to manage all their data and help their customers to have a clean and error-free experience while using the system.

ENTITY RELATION DIAGRAM

Relational Schema

Workout Plan Table:

```
5 •    desc workoutplan
```

Field	Type	Null	Key	Default	Extra
wpid	int	NO	PRI	NULL	
workoutTime	time	YES		NULL	
total_calories	int	YES		NULL	
dscript	varchar(20)	YES		NULL	

Workout Table:

```
5 •    desc workout
```

Field	Type	Null	Key	Default	Extra
wid	int	NO	PRI	NULL	
calories	int	YES		NULL	
workout_name	varchar(20)	YES		NULL	
wpid	int	YES	MUL	NULL	

Table connecting Workout Plan to Workout:

```
5 •    desc worklink
```

Field	Type	Null	Key	Default	Extra
wid	int	NO	PRI	NULL	
wpid	int	NO	PRI	NULL	
finalworkout	varchar(20)	YES		NULL	

Users Table:

```
5 •    desc users
```

	Field	Type	Null	Key	Default	Extra
▶	uid	int	NO	PRI	NULL	
	name	varchar(20)	YES		NULL	
	address	varchar(20)	YES		NULL	
	work	varchar(20)	YES		NULL	
	contact	varchar(20)	YES		NULL	

Training Table:

```
5 •    desc training
```

	Field	Type	Null	Key	Default	Extra
▶	tid	int	NO	PRI	NULL	
	wpid	int	NO	PRI	NULL	

Trainers Table:

```
5 •    desc trainer
```

	Field	Type	Null	Key	Default	Extra
▶	tid	int	NO	PRI	NULL	
	fname	varchar(20)	YES		NULL	
	lname	varchar(20)	YES		NULL	
	uid	int	YES	MUL	NULL	
	contact	varchar(20)	YES		NULL	

Members Table:

```
5 ●   desc members
```

Field	Type	Null	Key	Default	Extra
Mid	int	NO	PRI	NULL	
fname	varchar(20)	YES		NULL	
lname	varchar(20)	YES		NULL	
uid	int	YES	MUL	NULL	
gender	char(1)	YES		NULL	
did	int	YES	MUL	NULL	
joiningDate	date	YES		NULL	
address	varchar(100)	YES		NULL	
height	int	YES		NULL	
weight	int	YES		NULL	
age	int	YES		NULL	
membershi...	varchar(20)	YES		NULL	
emergenc...	varchar(20)	YES		NULL	
contact	varchar(20)	YES		NULL	
tid	int	YES	MUL	NULL	
wpid	int	YES	MUL	NULL	

Equipments :

```
5 ●   desc equipments
```

Field	Type	Null	Key	Default	Extra
machine_id	int	NO	PRI	NULL	
uid	int	YES	MUL	NULL	
wpid	int	YES	MUL	NULL	
quantity	int	YES		NULL	
machine	varchar(20)	YES		NULL	
dop	date	YES		NULL	
Condi	varchar(20)	YES		NULL	

Diet Plan:

```
5 ●   desc dietplan
```

Field	Type	Null	Key	Default	Extra
Did	int	NO	PRI	NULL	
breakfast	varchar(20)	YES		NULL	
lunch	varchar(20)	YES		NULL	
dinner	varchar(20)	YES		NULL	

Capturing Tables data through Select Queries:

wpid	total_calories	dscript	workoutTime
1	45	back	45
2	23	arms	30
3	50	legs	45
4	25	abs	25
NULL	NULL	NULL	NULL

administrator 49   dietplan 50   equipments 51   managers 52   members 53   trainer 54   training 55   worker 56   worklink 57   workout 58   workoutplan 59

wid	calories	workout_name
1	10	deadlift
2	15	lats pull down
3	20	low pull
4	5	tricep push down
5	8	tricep dips
6	10	tricep extension
7	15	leg press
8	20	back squats
9	15	leg extension
10	6	crunches
11	9	leg raises
12	10	mtn climber
NULL	NULL	NULL

administrator 49   dietplan 50   equipments 51   managers 52   members 53   trainer 54   training 55   worker 56   worklink 57   workout 58   workoutplan 59

wid	wpid
1	1
2	1
3	1
4	2
5	2
6	2
7	3
8	3
10	4
11	4
12	4
NULL	NULL

administrator 49   dietplan 50   equipments 51   managers 52   members 53   trainer 54   training 55   worker 56   worklink 57   workout 58   workoutplan 59

WorkerID	fname	lname	job	Address	contact	ManagerID
1	Ram	Ram	worker	1, Durgapur Lane	1212121212	1
2	Shyam	Ram	worker	5, Durgapur Lane	2323232323	1
3	Damodar	Krishna	worker	1, Bolla Dr.	1231231234	5
4	Hyder	abad	worker	1, Dolla Dr.	4564564565	2
5	Secunder	abad	worker	3, Durgapur Lane	1234523456	2
NULL	NULL	NULL	NULL	NULL	NULL	NULL

administrator 49   dietplan 50   equipments 51   managers 52   members 53   trainer 54   training 55   worker 56   worklink 57   workout 58   workoutplan 59

tid	wpid
1	1
1	2
2	2
2	3
3	3
4	4
5	4
NULL	NULL

tid	fname	lname	contact	ManagerID
1	Rohan	Kumar	7890789089	1
2	Shohan	Shetty	1234567890	2
3	Samosa	Chat	0987654321	2
4	Golgappe	Kumar	5647372819	1
5	tikki	tokki	1212122334	1
NULL	NULL	NULL	NULL	NULL

Mid	fname	lname	gender	did	joiningDate	address	height	weight	age	membershipType	emergencyContact	contact	tid	wpid	ManagerID
1	Shikari	Shambu	M	1	2002-10-10	house 2, Begumpet street	177	79	26	platinum	1234512345	1234512345	1	1	3
2	Suppan	di	M	2	2002-10-11	house 3, Shamirpet street	180	69	27	gold	1231231232	1231232345	2	2	4
3	Dora	Explora	F	3	2002-11-10	house 4, Ameerpet street	165	80	28	silver	1231231233	3456345677	3	3	5
4	Shatila	shali	F	4	2002-11-10	house 5, Andadun street	150	80	21	gold	1231232344	4567456746	4	4	3
5	Shilpa	Shetty	F	5	2002-11-10	house 5, Uppal street	170	70	23	gold	3453453456	5678956789	5	1	4
6	Virat	Kolli	M	5	2002-11-11	house 6, Sankan street	180	75	24	silver	5675675673	6789009876	1	2	5
7	Shomba	Shombu	M	5	2002-11-01	house 2, Pankan street	176	74	25	gold	8908908907	5654323456	2	3	3
8	Sarkar	Modi	M	2	2002-12-11	house 4, dankan street	170	73	28	platinum	2342342345	2342341232	3	4	4
9	Sartor	Sarpar	M	3	2002-12-12	house 2, mankan street	178	72	29	gold	2341232344	1234567876	4	1	5
10	Dev	Dyani	M	1	2002-12-10	house 2, lankan street	185	71	30	silver	2342345344	0987654567	5	2	5
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

ManagerID	fname	lname	address	job	contact	A_id
1	Shaunak	Shetty	House 33, Marine Dr.	Manager	1234567890	1
2	Sharon	Sahol	House 34, Marine Dr.	Manager	0987654321	1
3	Shamir	Pet	House 3, Marine Dr.	Receptionist	0987667890	1
4	Ravi	Ravi	House 1, Kolla Dr.	Receptionist	1234554321	1
5	Rambo	Johnny	House 2, Dolla Dr.	Receptionist	2345678901	1
NULL	NULL	NULL	NULL	NULL	NULL	NULL

	machine_id	wid	quantity	machine	dop	Condi	WorkerID
▶	1	1	1	treadmill	2002-10-10	good	3
	2	2	2	elliptical	2002-11-10	poor	3
	3	3	2	dumbbell	2002-11-01	poor	1
	4	4	2	kettle bell	2002-10-01	good	5
	5	5	1	cycle	2002-10-10	good	3
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

	Did	breakfast	lunch	dinner
▶	1	Multigrain bread Peanut butter and milk	Rajma with Dal and Roti	Beetroot salad with roti
	2	Multigrain brea with Peanut butter and milk	Chole with Cluster Beans and Roti	Cabbage salad with roti
	3	Multigrain brea with Peanut butter and milk	Carrot Beans with Dal and Roti	Paneer salad with roti
	4	Multigrain brea with Peanut butter and milk	Khichdi with Dal and Curd	Have something light
	5	Multigrain brea with Peanut butter and milk	Soyabean with Dal and Roti	Dal with Paneer Paratha
*	NULL	NULL	NULL	NULL

	A_id	fname	lname	Branch	contact	address
▶	1	Rahul	Sharma	Admin	1231231231	House 2, Bargha St.
*	NULL	NULL	NULL	NULL	NULL	NULL

Front-end showing retrieval of Data:

Trainer table

	tid	fname	lname	contact	ManagerID
►	1	Rohan	Kumar	7890789089	1
	2	Shohan	Shetty	1234567890	2
	3	Samosa	Chat	0987654321	2
	4	Golgappe	Kumar	5647372819	1
	5	tikki	tokki	1212122334	1
*	NULL	NULL	NULL	NULL	NULL

equipments 51   members 53   trainer 54 ×

Output

Action Output ▼

	#	Time	Action
✓	181	22:38:19	select * from managers LIMIT 0, 1000
✓	182	22:38:19	select * from members LIMIT 0, 1000
✓	183	22:38:19	select * from trainer LIMIT 0, 1000

Gym Management System

View Trainer with ID 1

First name :   Rohan
Last name :   Kumar
Contact :   7890789089
Manager ID :   1

Back

```
1   select * from administrator;
2 • select * from dietplan;
3 • select * from equipments;
4 • select * from managers;
5 • select * from members;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Con

	Mid	fname	lname	gender	did	joiningDate	address	height	weight	age
►	1	Shikari	Shambu	M	1	2002-10-10	house 2, Begumpet street	177	79	26
	2	Suppan	di	M	2	2002-10-11	house 3, Shamirpet street	180	69	27
	3	Dora	Explora	F	3	2002-11-10	house 4, Ameerpet street	165	80	28
	4	Shatla	shali	F	4	2002-11-10	house 5, Andadun street	150	80	21
	5	Shilpa	Shetty	F	5	2002-11-10	house 5, Uppal street	170	70	23
	6	Virat	Kolli	M	5	2002-11-11	house 6, Sankan street	180	75	24
	7	Shomba	Shombu	M	5	2002-11-01	house 2, Pankan street	176	74	25
	8	Sarkar	Modi	M	2	2002-12-11	house 4, dankan street	170	73	28
	9	Sartor	Sarpar	M	3	2002-12-12	house 2, mankan street	178	72	29
	10	Dev	Dyani	M	1	2002-12-10	house 2, lankan street	185	71	30
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Gym Management System

View Member with ID 1

First name :   Shikari
Last name :   Shambu
gender :   M
Diet :   1
Joining date :   2002-10-10
Address :   house 2, Begumpet street
Height :   177
Weight :   79
Age :   26
Membership Type :   platinum
Emergency Contact :   1234512345
Contact :   1234512345
Trainer :   1
Workout Plan :   1
Manager ID :   3

Back

equipments 51   members 53 ×   trainer 54

Output

Action Output ▼

	#	Time	Action
✓	181	22:38:19	select * from managers LIMIT 0, 1000
✓	182	22:38:19	select * from members LIMIT 0, 1000
✓	183	22:38:19	select * from trainer LIMIT 0, 1000
✓	184	22:38:19	select * from training LIMIT 0, 1000
✓	185	22:38:19	select * from worker LIMIT 0, 1000
✓	186	22:38:19	select * from worklink LIMIT 0, 1000
✓	187	22:38:19	select * from workout LIMIT 0, 1000

Result Grid | Filter Rows: | Edit: | Export/Impo

	machine_id	wid	quantity	machine	dop	Condi	WorkerID
►	1	1	1	treadmill	2002-10-10	good	3
	2	2	2	elliptical	2002-11-10	poor	3
	3	3	2	dumbbell	2002-11-01	poor	1
	4	4	2	kettle bell	2002-10-01	good	5
	5	5	1	cycle	2002-10-10	good	3
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Gym Management System

View Equipment with ID 1

Workout Plan ID :   1
Quantity :   1
Machine :   treadmill
Date Of Purchase :   2002-10-10
Condition :   good
Worker in charge :   3

Back

equipments 51 ×   members 53   trainer 54

Output

Action Output ▼

	#	Time	Action
✓	181	22:38:19	select * from managers LIMIT 0, 1000