# Gym Management System

The project manages the functioning of a gym or workout and exercise facility. The information included in this project consists of the profiling of members, the list of available services, payment transactions consisting of the membership fees and other additional features, and a list of the available trainers that will guide the users in their workout.

The members can avail a service based on their needs from the list of available services. The instructor/gym trainer will be assigned to customers based on their requirements and charged extra accordingly. The gym will also have a manager to manage the overall functioning of the gym.

**Tables:**

**Branch\_Manager**(*Branch\_ID, Location, Email, BPhone\_no, Manager\_ID, Manager\_Name, Gender, MEmail, MPhone\_no, Address, Password*)

FD’S :

*A->BCDEFGHIJK*

*F->ABCDEGHIJK*

Primary Keys : *Branch\_ID*

Candidate Keys : *Branch\_ID, Manager\_ID*

**Equipment**(*Equip\_ID, Equip\_Name, Working\_Status, Equip\_Kind,* )

FD’s :

*A->BCDE*

Primary Keys : *Equip\_ID*

Foreign Keys : *Manager\_ID Refers To Branch\_Manager*

**Trainer**(*Tr\_ID, Tr\_Name, Gender, Blood\_Type, Phone, Address, EmerPhone, EmerName,* )

FD’S :

A->BCDEFGHI

Primary Keys : *Tr\_ID*

Foreign Keys : *Branch\_ID Refers To Branch\_Manager*

**Workout\_Plan**(*WorkPlan\_ID, Workout\_Name, Diet\_Chart, Duration*)

FD’S :

*A->BCD*

Primary Keys : *WorkPlan\_ID*

**Uses**(*WorkPlan\_ID, Equip\_ID, Exercise*)

FD’S :

AB->C

Primary Keys : *WorkPlan\_ID, Equip\_ID*

Foreign Keys : *WorkPlan\_ID Refers To Workout\_Plan, Equip\_ID Refers To Equipment*

**Trains**(*Tr\_ID, WorkPlan\_ID*)

Primary Keys : *Tr\_ID, WorkPlan\_ID*

Foreign Keys : *Tr\_ID Refers To Trainer, WorkPlan\_ID Refers To Workout\_Plan*

**Payment**(*Pay\_ID, Pay\_Date, Pay\_Time, Pay\_AMT, Pay\_Desc, ,* )

FD’S :

A->BCDEFG

Primary Keys : Pay\_ID

Foreign Keys : *Mem\_ID Refers To Member, WorkPlan\_ID Refers To Workout\_Plan*

**Member**(*Mem\_ID, Mem\_Name, Blood\_Type, Mem\_Weight, Mem\_Height, Gender, Mobile\_No, Address, EmerName, EmerMobile, Duration, WorkPlan\_ID*)

FD’S :

*A->BCDEFGHIJ*

Primary Keys : *Mem\_ID*

Foreign Keys : *WorkPlan\_ID Refers To Workout\_Plan*

**Has**(*Branch\_ID, Mem\_ID*)

Primary Keys : *Branch\_ID, Mem\_ID*

Foreign Keys : *Branch\_ID Refers To Branch\_Manager, Mem\_ID Refers To Member*