**Project Proposal – GYM Management System**

**Course: Database System**

**Section: L3**

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The gym management system will consist of the database related to all the Gym activities and its participants. Basically, this database system can be used by any Gym that provides facilities, packages and keeps record of the members and trainers/gym instructors and its staff (admin, caretakers etc.).

It will provide different packages to members, who can choose as they desire and then the record of the payment and details are kept. The trainer’s data will also be stored, which will be accessed by the gym admin. The member’s data record is also kept which consists of the past and current packages taken.

The front end will include the log-in systems for members and admin. The members can choose packages from available packages. The admin controls the overall database by updating records and keeping track of it.

Primarily, the project will include the following entities:

Branch details

Gym shifts/ details

Trainer

Members

Packages

Payment

The classes will have date time trainer and members.

Each class will open the attendance marking portal for trainer. He rates trainees.

The trainees for each of their session in return rate their trainer.

The membership sign up will ask if applying for the first time. If no, it looks up the previous records and provides a discount according to the ratings. That record will be updated from then on for that member.

New members will have a new ID and rating of 0.

Rating is the average: All ratings (sum\*) / The number of rater id (count\*) \*\*\*\* optimize this!