GYM MEMBERS RECORD MANAGEMENT SYSTEM

Team Name: Group 5

Team Members:

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Project Description:

The Gym Members Record Management System is designed to help gyms maintain and manage various records, including membership packages, available trainers, and the basic information of their members. This system is built to easily track, access, and create records of gym members for efficient management and improved customer service. Additionally, it has the feature to maintain a daily visitor log to keep track of the presence of individuals in the gym. With this tool, a gym establishment can no longer have manual recordings that would be hard to maintain as it is time-consuming and prone to errors.

Features/Functionality:

- View gym member's records

- Add a new gym member

- Modification and deletion of a member's record

- View gym's packages and trainers

- Addition, modification, and deletion of information regarding the gym's trainers

- Daily visitor log to track people entering and exiting the gym
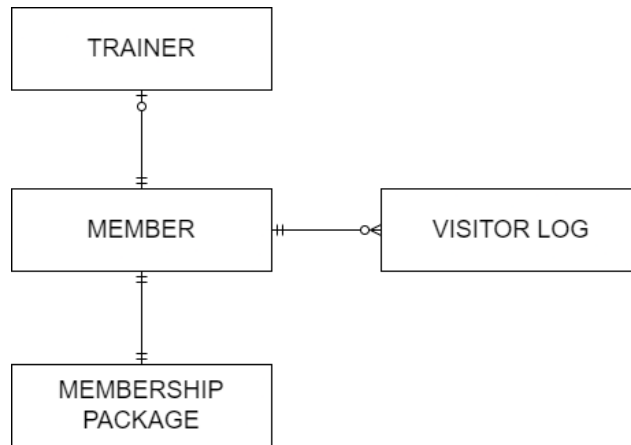
Scope and Limitation:

The Gym Members Record Management System is a software solution built to provide gyms with efficient record management capabilities. It involves basic data or information management, including adding, editing, and deleting records of trainers and the gym's members.

The system's functionality is determined by the data input provided by the gym staff. The records will be accessible to and can be manipulated by the administrators only and not users. Notably, it focuses exclusively on the management of records related to membership packages, trainers, and gym members. It does not encompass data concerning other gym facilities or equipment. Additionally, it lacks a search and filtering feature. The Gym Members Record Management System is only designed for educational purposes only and will not be deployed.

Basic Classes:

- Member, Membership Package, Trainer, Visitor Log

Class Diagram:

```
          ┌─────────────┐
          │   TRAINER   │
          └──────┬──────┘
                 ○
                 │
          ┌──────┴──────┐        ┌──────────────┐
          │   MEMBER    ├────○───┤  VISITOR LOG │
          └──────┬──────┘        └──────────────┘
                 │
          ┌──────┴──────┐
          │ MEMBERSHIP  │
          │  PACKAGE    │
          └─────────────┘
```

Member
name: String age: int gender: char address: String phoneNumber: String payment: float change: float
becomeMember() listMemberRecords() editMember() deleteMember()

Membership Package
packagePrice: float
listPackages() getPackageName()

Trainer
trainerName: String
listTrainers() getTrainerName() addTrainer() deleteTrainer()

Visitor Log
logDate: String loginTime: String logoutTime: String
addVisitorLog() viewVisitorLog()

Sample Output

```
**+=================================================+**
**| Welcome To Gym Members Record Management System |**
**+=================================================+**



        [1] Add Member
        [2] List of Packages
        [3] List of Trainers
        [4] Member Records
        [5] Visitor Log - (Coming Soon)
        [6] Exit


                PLEASE ENTER YOUR CHOICE: 1
```

```
                +------------------+
                |    BE A MEMBER   |
                +------------------+

                   FILL UP THE FORM

        Enter Name:  Ian
        Enter Age:  29
        Enter Gender (M/F):  M
        Enter Address:  Bato
        Enter Phone Number:  09856475896
```

```
+------------------------------------------+
|              LIST OF PACKAGES            |
+------------------------------------------+



     CHOOSE YOUR PACKAGE:

     [1] BASIC
         (Php 50.00 Per Day - No Trainer)
     [2] PREMIUM
         (Php 500.00 - Monthly Payment - With Trainer)

     SELECT PACKAGE: 2
```

```
                          +-------------------------------+
                          |         LIST OF TRAINERS      |
                          +-------------------------------+


     CHOOSE YOUR TRAINER:

     [1] IKE
     [2] NICO
     [3] VLAD
     [4] DUKE
     [5] NOAH
     [6] MARE
     [7] STEPH

     SELECT TRAINER: 1
```

```
          +----------------------------------+
          |              PAYMENT             |
          +----------------------------------+



          Amount Due: Php 500.0
          Enter Payment: Php 1000
          Change: Php 500.0



             THANK YOU FOR COMING TO OUR GYM!

          Do you want to fill up another form? (Y/N): |
```

```
          +-------------------------------------------+
          |             MEMBER'S RECORDS              |
          +-------------------------------------------+


     MEMBER'S INFORMATION:

     +-------+-------------+-----+-------+-----------+--------------+--------+-----------+
     |Id No. |Name         |Age  |Gender |Address    |Phone Number  |Package |Trainer    |
     +-------+-------------+-----+-------+-----------+--------------+--------+-----------+
     |1      |Grace        |34   |F      |Iriga      |09875641255   |BASIC   |NO TRAINER |
     +-------+-------------+-----+-------+-----------+--------------+--------+-----------+
     |2      |Ian          |29   |M      |Bato       |09856475896   |PREMIUM |IKE        |
     +-------+-------------+-----+-------+-----------+--------------+--------+-----------+
     |3      |Reymelene    |46   |F      |Oas        |09475118793   |BASIC   |NO TRAINER |
     +-------+-------------+-----+-------+-----------+--------------+--------+-----------+
     Choose an action:

     [D] Delete a member
     [E] Go back to the main menu
     Enter your choice: D
     Enter ID to be deleted: 1
                        Member with ID 1 is deleted.
     Choose an action:

     [D] Delete a member
     [E] Go back to the main menu
     Enter your choice: |
```