**ABSTRACT**

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| **Title** | : | Fitness Gym Membership, Trainer Scheduling, and Payment System with RFID Implementation | |
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The project consists of three (3) integrated subsystems, namely the Membership subsystem, trainer scheduling, and the payment system.

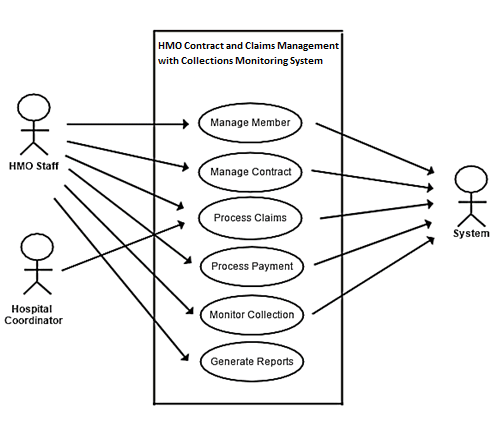
The membership subsystem is made to allow the end-users to register and access all the features available for users. On the user side of the system, the user will be able to view the gym’s calendar for scheduled events and their registered classes, their own profile, the list of available and joined classes and events, and the trainers of the gym. The user profile is where they can see their information such as their membership types, trainers, and membership dates and expiry. This is also where they can edit their personal information and account details. The rest of the pages are the classes, events, and trainer pages, where the user can view the details of such and register or choose a personal trainer to assist them on their workouts.

The second subsystem is the trainer scheduling where both the users and trainers can set their most suitable time for their workout sessions. Once both parties have agreed on matching schedules, the user can then confirm to set their session.

The last subsystem is the payment system, which is used for assisting the gym by generating queries and reports and also the user by providing them with official receipts made for their transactions.

The team was able to gather data about the project through some health care companies, health journals, thesis, internet materials and other resources. Also, the team conducted interviews to obtain further information about the business processes and rules implemented. The health maintenance organization’s coordinator and manager gave detailed explanation about the processes involved. The proponents interviewed the Sales Management head, business development group and the billing department to know the whole process of the company. Proponents prepared questions that would answer and help analyze how the whole system would process, while doing so; the group had additional questions from the interviewee’s answer for better clarification. Business rules and requirements were elaborated to the group and certain questions were asked to aid in the analysis of the business processes. Various modeling techniques were utilized in order to better understand the problems and design the most optimal solution. Fishbone diagram was made to summarize and help assess the business pains of the company. **(include also brief discussion of the methodologies used as reflected in Chapter 3)**

**(Paragraph 3 – Brief Discussion of Chapter 5)**

 **System Use-Case:**