Gym Management System

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Reviewer:

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Context

Gym visits have become a habit as people become more conscious of their health and well-being, so having applications that cater to the needs of gyms is critical. Making sure that the application is scalable is the most important aspect of the design process. When the systems are not interconnected, this makes it harder and sometimes impossible for the business to have multiple services under a single system. Gym management systems are web-based projects that are used by gym managers and customers. This software is used to save records of customers related to their fitness, schedule, orders, fees, and personal details. Because of this, the work of the gym manager becomes easy and time-saving. The gym management system provides an easy-to-use interface for the users and a database for the admin to maintain the records. The main aim of the project is to provide the administrator and the user with a platform to interact online about every piece of information and detail required and to make sure the gym is well maintained. It makes it easy for both the admin and the users to stay updated about courses being offered, schedules, etc.

Enterprises:

1.FitnessEnterprise

2.OnlineSalesEnterprise.

3.AnalysisEnterprise.

4.CourseservicesEnterprise.

Organizations:

1.Administrative Organization.

2.Analysis Organization.

3.Customer Organization.

4.Fitness Manager Organization.

5.Sales Organization.

6.Trainer Organization.

Roles:

1.Admin Role.

2.Analysis Admin Role.

3.Customer Role.

4.Fitness manager Role.

5.Gymtrainer Role.

6.Onlinesales Admin Role.

7.Salesadministrator Role.

8.System Admin Role

Steps to regenerate this project:

● Git clone the project by running the below command in the terminal at the location you want to clone locally: " git clone https://github.com/sanjanakarra9/AED_Project"

● Open the project in Eclipse or Netbeans.

● Add all the dependencies to libraries, right-click on the project from the project file manager, then click clean and build.

● Run it

Functional Description:

i)   As a user, one should be able to log in with their credentials to perform various operations as per the role
ii) Once the user login he/she signs in and his/her role is:
   • Customer: The customer can register if he/she is first time user or he/she can log in directly,

Customers can access three types of services

1. Requesting a session with the trainer
2. Can enroll in courses
3. Can access Online items sales services

- Trainer: The trainer can log in and access the requests he/she got for appointments and the trainer can allot the fitting room He has an option either to accept or decline the request.
- Manager: The manager can log in and access the requests he/she got for course enrollment and the manager can either accept or decline based on the time flexibility between appointments
- Salesadmin: Salesadmin has access to the items available for sale he/she can add the items and delete the items.
- Salesperson: salesperson is the one who is responsible for checking whether the customer paid for orders or not and should change the status.
- SystemAdmin: SystemAdmin is solely responsible for maintaining the whole system he/she can create an organization or enterprise.

iii) The User can log out at any point in time and return to the login page.

User Interface:

1. The Whole application is made sure to be built keeping in mind the various types of users that would be using the application.

2. The Application has a very simple UI.