CS5130 Term Project Proposal

1.   Student Name: SUSHRITHA REDDY SANGAM

2.   WebApp Name: GYM MANAGEMENT SYSTEM

3.   WebApp Description:

In our project we have introduced four modules named as Administrator, Branch manager, Gym trainer and customer. The administrator is going to manage the entire website, The branch manager will manage the gym branch activities. The gym trainer will train the customers. The customers are the service seekers. All the data of modules is handled by the database. The main purpose of using databases is to store information efficiently and securely, so that the information can be retrieved on demand.

We have Multiple branches for the Gym and the administrator will add the branch managers to respective branches. Then each branch of the gym is going to have a manager. The administrator can change the branch manager in a branch, furtherly according to the need. The administrator is going to add the packages into the system. Packages are nothing but the memberships which will include quarterly, half yearly and Annually plans. While adding the package the administrator is going to mention validity duration in months, price, package description, the trainer, who is going to help if customers need support … etc. The administrator can view the packages which are added. These added packages are commonly available for the customers in all branches.

The branch manager will login with their credentials. The branch manager can add the Gym trainers available in that particular branch. Branch manager can view the trainers list. The Branch manager can add new customers into the system or the customer can register directly from our website. The branch manager can assign a package to the customer or the customer can enrol for an interested package by logging into their account. Based on the package taken the customer can take trainer suggestions if they want or customers will access the gym themself without help from the trainer. The gym trainer can login into their account with their credentials. The gym trainer can view the assigned packages with timings.The gym trainer will add the classes schedule with date time. The trainer will suggest the food diet for the customer based on customer condition and customer requirement if customer wants. The trainer will add the training details and schedule into the customer's dashboard. Customers

can view their schedule by logging with the credentials. As days pass the diet plan is going to change by the trainer accordingly, the exercise plan also going to change accordingly. The manager, trainer and customers can track the progress of the workout and the history of diet plan, exercise plan.

4. WebApp Functions & Pages:

Administrator:
- Add manager
- View manager
- Add packages
- View packages

Branch manager
- Add trainer
- View Trainer
- activate / deactivate trainer
- Add customer
- View customers
- Assign customer to trainer

Gym Trainer
- View customers
- Add food diet
- View food diet
- Add exercise diet for customer
- View exercise diet for customer
- Update customer progress

Customer
- Register
- View packages
- Enrol packages
- View enrolled packages

- View profile
- View food diet schedule
- View exercise schedules

PHP files:

Index.php

adminLog.php

adminLogAction.php

adminHome.php

addManager.php

addManagerAction.php

branchManagerLog.php

addTrainer.php

viewTrainers.php

addCustomer.php

viewCustomer.php

assignTrainerToCustomer.php

trainerLog.php

trainerLogAction.php

viewAssignedCustomer.php

addFoodDiet.php

addFoodDietAction.php

viewFoodDiet.php

addExercise.php

addExerciseAction.php

customerRegister.php

5. **Contribution**:

1. **Student #1**:PRANEETH REDDY CHINNASAMA (700741138) – I am responsible for the sign in functionality and the front-end code of the main application which involves HTML, CSS and JavaScript logic.
2. **Student #2**: SUSHRITHA REDDY SANGAM (700742861) – I am responsible for the database and .php logics.