**User Interface Design of Gym Management System**

The Gym Management System reduces all the complexity of the conventional method which is a combination of folders, spreadsheets, emails, and for the management of members’ information and payment info. It has a unified system in which all the processes from registration to payment in one system.

**Here’s how the system manages to keep it simple using the use case diagram:**

**Admin (Administrator):**

of the gym and the admin are the ones who own the gym. The administrationThis actor describes the administration has access to all the information. They can log in through the home screen then there will be options to see the reports about members, trainers, payments, etc. After logging in members and admins have different options like admin have privileges to access anyone’s information where members are limited to their relation.

**Member:**

This actor represents the gym members either they are going to register or already registered through the online system. They will have fewer options than the admins as their access is limited.

**Home:**

This is the main interface for both administrators and members. Now the member’s home screen has options to either log into the account or creates a new account by registering on the online system. The home screen doesn’t have many options except the usual one like contact information about the gym or about the gym.

The register and login cases are extending the home because they can either these of two or anyone these options.

**Login:**

If the user has registered or already a member of the gym, they can open their account by logging in with credentials to have further options on the home screen. The options are extending the login page. After logging in users/members can view their profile or view the reports they generate in the past reports can be the payment information.

**Register:**

If there is a new user and wants to become a member they can register through this interface.

**Payment:**

If the user logged in and select the available package they want to opt. Then they can make payments through the payment interface. For the payment, the user/member has two options either go offline or online. If the user selects online then there will be a payment gateway where the user can by using debit, credit card, or net banking and after successful payment, the membership will be confirmed.

Where if the user opts for offline then the user has to go to physically to the gym and make payment.

**Reports:**

The report is the stored information which could be for payment, user, trainer, etc. The user can generate a report according to their privileges.

**Trainer-info:**

The trainer info is added by the gym owner which is admin and only admin can view that information after logging in with the correct credentials.