These are List of Expected Features. It will be good if you develop a separate route for login of trainer and separate for admin too i.e. /trainer\_login , /admin . There will be 1 admin with admin as username and admin as password. And admin would be only able to create trainers or modify them . trainer would have only access to some limited features like viewing member details , class detail , statistics of attendance or might be of enrolled in that lesson , etc . while admin will have complete super features . Please implement a payment page too which will store only credit card details with their address (need security feature in it (hashing) ) .

For Membership , you could make some 3-4 plans like bronze , silver, gold , platinum , etc .

User Management:

* User registration and login
* User roles and permissions (admin, trainer, staff, member)
* User profile management

Member Management:

* Add new members
* View and edit member details
* Track membership status and expiration dates
* Generate membership invoices and receipts
* Track member progress, goals, and achievements
* Communicate with members and provide feedback

Trainer Management:

* Add new trainers
* View and edit trainer details
* Assign trainers to specific classes or sessions
* Track trainer availability and schedules
* Communicate with trainers and provide updates

Class and Schedule Management:

* Create and manage classes or workout sessions
* Assign trainers and set class capacities
* View and edit class schedules
* Allow members to enroll in classes and track attendance
* Mark attendance for classes or sessions
* Track member attendance and generate attendance reports

Equipment and Facility Management:

* Track gym equipment inventory
* Manage equipment maintenance and repairs
* Reserve facilities

Payment and Billing:

* Accept online payments for membership fees
* Generate invoices and receipts for payments
* Track payment history and due dates
* Manage payment methods and gateways
* Handle billing and invoicing

Notifications and Reminders:

* Send automated reminders for upcoming classes or sessions
* Notify members and trainers of schedule changes or cancellations
* Communicate announcements and updates