Database Schema Design

Users table

- user_id (primary key)
- email (unique)
- password
- role (member, non-member, admin)

Members table

- member_id (primary key)
- user_id (foreign key referencing Users table)
- name
- address
- phone
- date_of_birth
- membership_type (gold, silver, bronze, etc.)
- start_date
- end_date

Classes table

- class_id (primary key)
- name
- description
- capacity
- location (foreign key referencing Locations table)
- start_time
- end_time
- instructor_id (foreign key referencing Instructors table)

Enrollments table

- enrollment_id (primary key)
- member_id (foreign key referencing Members table)
- class_id (foreign key referencing Classes table)
- enrollment_date

Checkins table

- checkin_id (primary key)
- member_id (foreign key referencing Members table)
- checkin_time
- checkout_time

Locations table

- location_id (primary key)
- name
- address
- phone

Instructors table

- instructor_id (primary key)
- name
- bio
- phone

Activity table

- activity_id (primary key)
- member_id (foreign key referencing Members table)
- activity_type (treadmill, cycling, stair machine, weight training)
- activity_date
- duration_in_minutes

Free Trials table

- free_trial_id (primary key)
- member_id (foreign key referencing Members table)
- start_date
- end_date
- location_id (foreign key referencing Locations table)