

Gym Management System - DB

GYM Brat

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Users collection

Users collection will store all the information about the user. It will include the user's name, address, contact information such as phone number, emergency contacts, their appointment details and review details. Role field is used to identify between customers and admin

```
{
  _id: '641f83110b3a1eb1911a2ead',
  firstName: 'Harry',
  lastName: 'Potter',
  email: 'harrypotter@gmail.com',
  phoneNumber: '551-221-5876',
  address: {
    streetName: '1234 NW Bobcat Lane',
    city: 'Hoboken',
    state: 'New Jersey',
    zipCode: '07305'
  },
  hashedPassword:
'$2a$08$XdvNkfdNIL8F8xsuIUeSbNOFgK0M0iV5H0skfVn7.PWncShU.O',
  emergencyContactName: 'James Potter',
  emergencyContactPhoneNumber: '551-221-5875',
  MyAppointments: [
    '41f83110b3a1eb1911a2ead',
    '41f83110b3a1eb1911a2eaa',
    '41f83110b3a1eb1911a2eac'
  ],
  MyReviews: [
    '61f83110b3a1eb1911a2ead',
    '61f83110b3a1eb1911a2eaa',
    '61f83110b3a1eb1911a2eac'
  ],
  membershipPlanDetails: 'alpha',
  role: 'user'
}
```

Field	Type	Description
_id	string	A globally unique identifier to represent the user.
firstName	string	First name of the user
lastName	string	Last name of the user
email	string	Email address of the user
phoneNumber	string	Phone of the user in format: xxx-xxx-xxxx
address: 1. streetName 2. city 3. state 4. zipCode	object 1. string 2. string 3. string 4. string	Stores the user's address: 1. Street name of user's address 2. City name of user's address 3. State name of user's address 4. Zip code of user's address
hashedPassword	string	The password when users log in.
emergencyContactName	string	Name of the emergency contact
emergencyContactPhoneNumber	string	Phone number of the emergency contact
Role	string	Role of the user: Customer or admin
MyAppointments	Array or null	Array of strings with appointment ids. If role = 'admin', then stores null
MyReviews	Array or null	Array of strings with review ids, If role = 'admin', then stores null
membershipPlanDetails	String or null	Membership plan of the user: Alpha, beta, omega If role = 'admin', then stores null

Reviews collection

The review collection will hold the reviews given by customers for the gym and the class. If both gymId and classId are present the review is for a class the customer attended, if only the gymId is present then the review is for the gym.

```
{
  _id: '641f83110b3a1eb1911a2ead',
  gymId: '441f83110b3a1eb1911a2eaa',
  classId: '741f83110b3a1eb1911a2ead',
  reviewText: 'The class was really good',
  rating: 4.9
}
```

Field	Type	Description
_id	string	A globally unique identifier to identify the review.
gymId	string	Gym id of the gym attended by the user for which the review is written.
classId	string	Class Id of the class attended by user for which the review is written
reviewText	string	The review content written by user.
rating	Number	Number on a scale of 5.

GYM collection

Gym collection will hold the details of the gyms available for this brand with their address, maximum capacity details at each of the locations.

```
{
  _id: '841f83110b3a1eb1911a2ead',
  website: 'http://thegymbrats.com',
  address: {
    streetName: '815 E Hudson st',
    city: 'Hoboken',
    state: 'New Jersey',
    zipCode: '07305',
    phoneNumber: '551-667-9876',
    email: "thegymbrats@gmail.com"
  },
  overallRating: 4.8,
  reviewIds: [
    '61f83110b3a1eb1911a2ead',
    '61f83110b3a1eb1911a2eaa',
    '61f83110b3a1eb1911a2eac'
  ],
}
```

```

classIds: [
  '41f83110b3a1eb1911a2ead',
  '41f83110b3a1eb1911a2eaa',
  '41f83110b3a1eb1911a2eac'
],
maxCapacity: 40
}

```

Field	Type	Description
_id	string	A globally unique identifier to represent the gym.
website	string	Website URL for the gym
address: 1. streetName 2. city 3. state 4. zipCode 5. phoneNumber 6. email	object 1. string 2. string 3. string 4. string 5. string 6. string	Stores the gym's address: 1. Street name of gym's address 2. City name of gym's address 3. State name of gym's address 4. Zip code of gym's address 5. Phone number for the gym location 6. Email address of the gym.
overallRating	string	Overall rating of the gym
reviewIds	Array	Array of strings with review Ids for that gym
classIds	Array	Array of strings with class Ids for the classes conducted at that gym.
maxCapacity	Number	Maximum capacity of the gym center for that location

Class/event collection

Class/event collection will have all the class details.

```
{
  _id: '61f83110b3a1eb1911a2ead',
  className: 'Yoga',
  slots: [
    { Date: '26 May 2023', timings: [Array] },
    { Date: '27 May 2023', timings: [Array] }
  ],
  instructor: 'John Hill',
  description: 'Rewind, revive with this yoga session.',
  registeredUsers: [
    '61f83110b3a1eb1911a2ead',
    '61f83110b3a1eb1911a2eaa',
    '61f83110b3a1eb1911a2eac'
  ],
  reviews: [
    '41f83110b3a1eb1911a2ead',
    '41f83110b3a1eb1911a2eaa',
    '41f83110b3a1eb1911a2eac'
  ],
  classCapacity: 20
}
```

Field	Type	Description
_id	string	A globally unique identifier to represent the class.
className	string	Name of the class offered
slots	Array	Array of objects. Object keys: Date: string Timings: array of strings with time slots.
instructor	string	Name of the instructor taking the class
description	string	Brief description about the class
registeredUsers	Array	Array of strings holding the userIds of the users registered for the class
reviews	Array	Array of strings containing the reviews left by users
classCapacity	Number	Maximum number of participants allowed for the class.

Appointment collection

The appointment collection will hold the details of the appointment of the users.

```
{
  _id: '61f83110b3a1eb1911a2ead',
  classId: '51f83110b3a1eb1911a2ead',
  selectedTimeSlot: { Date: '26 May 2023', timing: '10:00 -
12:00' },
  cancelledOrNot: false
}
```

Field	Type	Description
_id	string	A globally unique identifier to represent the appointment.
classId	string	Id of the registered class
selectedTimeSlot 1. Date 2. Timing	Object 1. string 2. string	Object containing the slot details of the class registered by the user 1. Date of the class chosen by the user 2. Time of the class chosen by the user
cancelledOrNot	boolean	True: class is cancelled False: class is not cancelled