ClassRoom Application

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Users

The user collection will store all users. Users will be able to login, update their details and make rooms.

```
{

        "firstName": "Jay"
        "lastName": "goyani",
        "Email": "goyanijay@gmail.com",
        "Gender": "M",
        "City": "Jersey City",
        "State": "NJ",
        "Age": "22",
        "Member": "Student",

    "Rooms": [{
          "room_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
         "Member_lvl": "Level 1",
          "Title": "CS-546",

          "Room_join_code": "7B65AD",
         "Description": "This is the room for Web Programming"
          }]
       "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
"hashedPassword": "$2a$08$XdvNkfdNIL8F8xsuIUeSbNOFgK0M0iV5HOskfVn7.PWncShU.O"
}
```

Name	Type	Description
_id	string	A globally unique identifier to represent the user.

hashPassword	String	The password when users log in.
Rooms	Sub-document	Rooms is a Subdocument that stores the rooms joined by the user.

Rooms

The rooms is a subdocument of user where all the data of room will be stored.

```
{
      "rooms":[
                "roomId": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
               "MemberLvl": "Level 1",
                  "RoomJoinCode": "7B65AD",
            "Description": "This is the room for Web Programming"
          "roomCreator": "Jay Goyani"
            "Title": "CS-546"
            "chatId":[
                    "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
                   "message": "Hey, This is message for chat",
                   "likes:"12"
             }]
}
```

Name	Type	Description
roomId	String	Stores the room id.
Title	String	The name of the room which was created

MemberLvl	Number	Store the level of member which helps in giving roles to user
RoomJoinCode	String	Stores the joining code which can be shared by users
Description	String	The description of the room and what it is about
roomCreator	String	The name of the room creator who created the room
chatId	Sub-document	The chatId is a sub document which stores the chat data in the room.

ChatId

ChatId is a subdocument of the room collection.

```
"chatId":[{
        "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
        "chat": "Hey, This is example of chat",
        "likes": 3

    }]
```

Name	Type	Description
_id	string	The comment ID.
chat	string	The chat text done by user

Likes	Sub-document	Likes is a subdocument which consists of number of upvotes/downvotes for that message

Likes

The likes collection contains total votes of each chat message and also how many upvotes and downvotes each chat message has.

```
{        "likes": [{
                "Totalvotes": 10,
                "Upvote": 8,
                "Downvote" : 2

        }]

}
```

Name	Type	Description
totalVotes	Number	The total number of votes who voted
Upvotes	Number	The total number of upvotes voted on the chat message.
Downvotes	Number	The total number of downvotes on the chat message.