DATABASES

Friday, April 2, 2021
6:43 PM

Group Member:

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1. Users

All the users information will be stored in the users collection. Users will be able to create personal data, login, schedule vaccine injection and rate the site.

```
{
    "_id": "123e4567-e89b-12d3-a456-426655440000",
    "name": {
        "firstName": "Yi",
        "lastName": "Lin"
    },
    "username": "Thisadusbfiaus",
    "password": "D2B2C253C1F266BDB86222C0C4193A0E",
    "email" :"asduniangfau@gmail.com",
    "address":{
        "addressLine" : "1313 Grand St.",
        "apartment_suite_unitNumber": "APT 304",
        "city": "hoboken",
        "county": "hudson",
        "state": "NJ",
        "postalCode": "07030"
    },
    "birthday":"02/03/1998",
    "gender": "Male",
    "race": "Asian",
    "ethnicity": "Not Hispanic or Latino",
    "insurance":{
        "insuranceType": "Private Insurance",
        "insuranceName": "HuHu"
    },
    "medicalGroupNumber":"HDEPO National HRA",
    "medicalid":"sdgasf-tqssg25g",
    "reservation_histroy":[
        "123e4567-e89b-12d3-a456-426655441233",
        "123e4567-e89b-1as3-a456-426655440000"
    ],
    "comments_history":[
        "123e4567-e89b-12d3-a456-426655220000",
        "123e4227-e89b-12d3-a456-426655440000"
    ]
}
```

Name	Type Description	Description
_Id	ObjectId	Globally unique identifier to represent the user
name	Object: {firstName: String, lastName: String}	Full name of the user
username	String	Username of the user
password	String with MD5 SHA-1 CRC	Password of the user
email	String	Email of the user
address	Object: {addressLine: String, apartment_suite_unitNumber: String, city: String, county: String, state: String, postalCode: String}	Address of the user
birthday	String	Birthday of the user
gender	String	Gender of the user (Male, Female, Transgender, Other, Prefer not to say)
race	String	Race of the user (African American or Black, White, Asian, American Indian or Alaska Native, Native Hawaiian or Other Pacific Islander, Other, Prefer not to say)
ethnicity	String	Ethnicity of the user (Hispanic or Latino, Not Hispanic or Latino, Prefer not to say)
insurance	Object: {insuranceType: String, insuranceName: String}	Insurance of the user (No Health Insurance, Private Insurance, Medicare, Medicaid, CHIP)
medicalGroupNumber	String	Medical Group Number of the user

medicalID	String	Medical ID of the user
reservation_histroy	Array	Contains the IDs of reservation history that the user has in an array
comments_history	Array	Contains the IDs of comment history that the user makes in an array

2. Vaccine_injection_site

All the vaccine injection site information will be stored in the vaccine_injection_site collection. Users make schedules and make comments that fill out the relevant

```json
{
    "_id": "12eg4567-e89b-24d3-a456-426655440000",
    "name": "River Side",
    "address":{
        "addressLine" : "1232 Clinton St",
        "city": "hoboken",
        "county": "hudson",
        "state": "NJ",
        "postalCode": "07030"
    },
    "reservation_history": [
        "123e4567-e89b-12d3-a456-426655441233",
        "123e4567-e89b-1as3-a456-426655440000"
    ],
    "comments_history":[
        "123e4567-e89b-12d3-a456-426655220000",
        "123e4227-e89b-12d3-a456-426655440000"
    ],
    "Rating":"4.5"
}
```

information.

Name	Type Description	Description
_Id	ObjectId	Globally unique identifier to represent the site
name	String	Name of the site

address	Object: {addressLine: String, city: String, county: String, state: String, postalCode: String}	The address of the site
reservation_histroy	Array	Contains the IDs of reservations that all users make in an array
comments_history	Array	Contains the IDs of comments that users make in an array
rating	String	The rating the user provides, ranging from 1 to 5

3. Daily_data

All the daily data of COVID-19 will be stored in the Daily_data collection. Users can browse the daily cases.

```
{
    "_id":"12eyg567-e89b-24d3-asr6-42ghtf440000",
    "dailyCases": "151234",
    "dailyDeath": "1456",
    "dailyVaccination": "6757",
    "dailyRecover": "5678",
    "sum_of_cases": "161246613",
    "sum_of_death": "68192",
    "sum_of_vaccination": "516161",
    "sum_of_recover": "6691565",
    "change_date": "04/03/2021"
}
```

Name	Type Description	Description
_id	ObjectId	Globally unique identifier to represent the daily data
dailyCases	String	The number of daily cases
dailyDeath	String	The number of daily death

dailyVaccination	String	The number of daily vaccination
dailyRecover	String	The number of daily recover
sum_of_cases	String	The Sum number of cases
sum_of_death	String	The Sum number of death
sum_of_vaccination	String	The Sum number of vaccination
sum_of_recover	String	The Sum number of recover
change_date	String	The date of the data

4. Reservation_histroy

All the reservation information will be stored in the Reservation_history collection. Users make reservations that fill out the relevant information.

```json
{
    "_id": "123e4567-e89b-12d3-a456-426655441233",
    "userId": "123e4567-e89b-12d3-a456-426655440000",
    "siteId": "12eg4567-e89b-24d3-a456-426655440000",
    "date": "04/06/2021",
    "time": "1617644499",
}
```

Name	Type Description	Description
_id	ObjectId	Globally unique identifier to represent the reservation history
userId	ObjectId	The ID of user who make the reservation
siteId	ObjectId	The ID of site who make the reservation
date	String	The reservation date
time	Timestamp	The time when user make the reservation

5. Comments_history

All the comment information will be stored in the Comment_history collection. Users write comments that fill out the relevant information.

```
{
    "_id": "123e4567-e89b-12d3-a456-426655220000",
    "userId": "123e4567-e89b-12d3-a456-426655440000",
    "siteId": "12eg4567-e89b-24d3-a456-426655440000",
    "date": "04/02/2021",
    "rating": "4.2",
    "Comment": "Nice and Social distant"
}
```

Name	Type Description	Description
_id	ObjectId	Globally unique identifier to represent the comments
userId	ObjectId	The ID of user who write the comment
siteId	ObjectId	The ID of site where the user comment is
date	String	The date when the user write the comment
rating	String	The rating the user provides, ranging from 1 to 5
comment	Text	The string content of the comment

6. Administration

All the Administration information will be stored in the Administration collection.

```
{
    "_id": "123gsdg7-e89b-12d3-a456-426655440000",
    "username": "admin",
    "password": "E10ADC3949BA59ABBE56E057F20F883E",
    "log_in_date":"1617644499"
}
```

Name	Type Description	Description
_id	ObjectId	Globally unique identifier to represent the administrator
username	String	Username of the administrator
password	String with MD5 SHA-1 CRC	Password of the administrator
log_in_date	Array [{1: timestamp }, {2: timestamp }.....]	Contains the login dates in an array