Multi-Clinic Backend API Documentation

Functions That Does Not Need Authentication (path = "/api/v1/auth"): -

1) Register Doctor: A Doctor Can Make a New Account:
   Type: POST Request

   Path: "/api/v1/auth/register"

   JSON Request Body Example:

```json
{

    "fullName":"Hussien Sayed",
    "email":"hussiensayed@gmail.com",
    "password":"1234"



}
```

Return Example:

```json
{
    "id": 1,
    "fullName": "Hussien Sayed",
    "email": "hussiensayed@gmail.com",
    "password": "$2a$10$gw3su67zJWaKP4FMjoD3NumMrM0XUWolvSB/ktOfmb4MchUEmp33a",
    "patients": null,
    "enabled": true,
    "credentialsNonExpired": true,
    "accountNonExpired": true,
    "authorities": null,
    "username": "hussiensayed@gmail.com",
    "accountNonLocked": true
}
```

2) Login: A Doctor Can Login with his credentials and will receive JWT token if logged in Successfully:
   Type: POST Request
   Path: "/api/v1/auth/login"

JSON Request Body Example:

```
{

    "email":"hussiensayed@gmail.com",
    "password":"1234"
}
```

Return Example:
eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJodXNzaWVuc2F5ZWRAZ21haWwuY29tIiwiaWQiOjEsImZ1bGxOYW1lIjoiSHVzc2llbiBTYXllZCIsImlhdCI6MTY5NjQ0Mjg4MiwiZXhwIjoxNjk2NDQ2NDgyfQ.ptuyE5uWkR7ohBv-gRqv678oZwHt2ajftiEqLznZjso

Functions That Need JWT Authentication (path = "/api/v1/doctor"): -

1) Add Patient: A Doctor Add new Patient data into the Database:
   Type: POST Request
   Path: "/api/v1/doctor/addPatient"

   JSON Request Body Example:

```
{

    "fullName":"Patient Example 1",
    "gender":"Male",
    "age":22,
    "moreInfo":"Any Additional Comments"



}
```

Return Example:

```json
{
    "id": 1,
    "fullName": "Patient Example 1",
    "gender": "Male",
    "age": 22,
    "moreInfo": "Any Additional Comments",
    "patientHistory": null
}
```

2) Get All Patients: A Doctor Can get all His Patients data:
   Type: GET Request
   Path: "/api/v1/doctor/allPatients"

   JSON Request Body Example: None just JWT Bearer Token in the Headers

   Return Example:

```json
[
    {
        "id": 1,
        "fullName": "Patient Example 1",
        "gender": "Male",
        "age": 22,
        "moreInfo": "Any Additional Comments",
        "patientHistory": [
            {
                "id": 1,
                "disease": "disease Examle",
                "medicine": "medicine Example",
                "date": "2023-10-04T18:17:16.415+00:00",
                "description": "description and more Comments"
            }
        ]
    },
    {
        "id": 2,
        "fullName": "Patient Example 2",
        "gender": "Female",
        "age": 45,
        "moreInfo": "Any Additional Comments",
        "patientHistory": []
    },
```

```json
    {
        "id": 3,
        "fullName": "Patient Example 3",
        "gender": "Male",
        "age": 35,
        "moreInfo": "Any Additional Comments",
        "patientHistory": []
    }
]
```

3) GetPatientById: A Doctor Can get one Patient by His ID:
   Type: GET Request
   Path: "/api/v1/doctor/getPatientById/{patientID}"

   JSON Request Body Example: None just JWT Bearer Token in the Headers and search name in path

   Return Example:
```json
{
    "id": 1,
    "fullName": "Patient Example 1",
    "gender": "Male",
    "age": 22,
    "moreInfo": "Any Additional Comments",
    "patientHistory": [
        {
            "id": 1,
            "disease": "disease Examle",
            "medicine": "medicine Example",
            "date": "2023-10-04T18:17:16.415+00:00",
            "description": "description and more Comments"
        }
    ]
}
```

4) deletePatientById: A Doctor Can Delete single patient with his id:
    Type: DELETE Request
    Path: "/api/v1/doctor/deletePatient/{patientID}"

    JSON Request Body Example:None

    Return Example: Status ok (200)

5) addPatientHistory: A Doctor Can Add Patient History record into the Database using this Patient ID:
    Type: POST Request
    Path: "/api/v1/doctor/addPatientHistory/{patientID}"

    JSON Request Body Example:

```
{

    "disease":"disease Examle",
    "medicine":"medicine Example",
    "description":"description and more Comments"
}
```


    Return Example:

```
{
    "id": 1,
    "disease": "disease Examle",
    "medicine": "medicine Example",
    "date": "2023-10-04T18:17:16.415+00:00",
    "description": "description and more Comments"
}
```


6) getPatientHistoryById: A Doctor Can get one Patient History by His ID:
    Type: GET Request

Path: "/api/v1/doctor/getPatientHistoryById/{patientID}"

JSON Request Body Example:

```
{

    "disease":"disease Examle",
    "medicine":"medicine Example",
    "description":"description and more Comments"
}
```

Return Example:

```
[
    {
        "id": 1,
        "disease": "disease Examle",
        "medicine": "medicine Example",
        "date": "2023-10-04T18:17:16.415+00:00",
        "description": "description and more Comments"
    }
]
```

7) searchPatientByName: A Doctor Can get search for all patient that include the input name:
        Type: GET Request
        Path: "/api/v1/doctor/searchPatientByName/{name}"

JSON Request Body Example:None

Return Example:

```
[
    {
        "id": 3,
        "fullName": "Patient Example 3",
        "gender": "Male",
        "age": 35,
        "moreInfo": "Any Additional Comments",
        "patientHistory": []
    }
]
```