

# Hospital Management Service

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# Introduction

- In hospital management app patient and doctors can save and see their appointments. They can save their diagnosis details and prescription in database.

# Languages and tools used

- Language: Java
- Framework: Springboot
- Database: MongoDB
- Tools: IntelliJ, Git, Postman, Github, Cygwin64 Terminal, Docker Desktop
- Test: Mockito

# Rest Controllers, Data Model and Repositories

Controllers:

- Doctor
- Patient
- Prescription

Data model:

- Appointment
- Prescription

Repositories:

- Prescription
- Appointment

# Curl Commands

- Getting Prescription data:

Curl -location -request GET 'http://localhost:8881/prescription/viewprescription?patientName-patient5'

```
--header 'Authorization: Basic ZG9jdG9yMTpwYXNzd29yZA=='\  
--header 'Cookie: JSESSIONID=96F4C5735C0264AA0881E426F096DE75'
```

- Posting prescription data:

Curl -location -request POST 'http://localhost:8081/prescription/viewprescription?patientName-patient5'

```
--header 'Authorization: Basic ZG9jdG9yMTpwYXNzd29yZA=='\  
--header 'Content-Type: application/json'\  
--header 'Cookie: JSESSIONID=96F4C5735C0264AA0881E426F096DE75V'  
--data-raw '{  
  "prescriptionId": "5",  
  "appointmentId": "005",  
  "description": "fever",  
  "patientName": "patient5",  
  "doctorName": "doctor"  
}'
```

- Save Patient

```
curl -location--request POST 'http://localhost:8081/patient/save' \ --header 'Authorization: Basic CGF0aWVudDE6cGFzc3dvcmQ=' \
--header 'Content-Type: application/json' \
--header 'Cookie: JSESSIONID=96F4C5735C0264AA0881E426F096DE75' \
--data-raw '{
  "appointmentID": "1",
  "patientName": "p1",
  "doctorName": "d1",
  "date": "20-07-2022",
  "prescription": {
    "prescriptionId": "04",
    "appointmentId": "4",
    "description": "fever",
    "patientName": "pat2",
    "doctorName": "doc2"
  }
}
```

- Get Patient Appointments

```
curl -location--request GET 'http://localhost:8081/patient/myappointments?patientName-pat1' \
--header Authorization: Basic CGF0aWVudDE6cGFzc3dvcmQ= \
--header Cookie: JSESSIONID-96F4C5735C0264AA0881E426F096DE75'
```

- Post doctor details

```
curl -location --request POST 'http://localhost:8081/doctor/save' \  
--header 'Authorization: Basic 269jdG9yMT pwYXNzd29yZA==' \  
--header 'Content-Type: application/json' \  
--header 'Cookie: JSESSIONID=96F4C5735C0264AA0881E426F096DE75' \  
--data-raw '{"appointmentID": "1", "patientName": "p1", "doctorName":  
"d1", "date": "20-07-2022", "prescription": {"prescriptionId":  
"04", "appointmentId": "4", "description": "fever", "patientName":  
"pat2", "doctorName": "doc2"}}'
```

- Get doctor details:

```
curl --location --request GET 'http://localhost:8081/doctor/doctor  
appointment?doctorName=d1' \  
--header 'Authorization: Basic ZG9jdG9yMT pwYXNzd29yZA==' \  
--header 'Cookie: JSESSIONID=96F4C573500264AA0881E426F096DE75'
```

# Mongo DB

```
Docker exec -it <container-id> /bin/bash
```

```
mongo
```

```
show dbs;
```

```
db.hospital.find();
```

```
db.patient.find();
```

- Swagger:

```
http://localhost8081/swagger-ui/index.html
```



Thank You