

Welcome To
Veera Mini Project

Pogo Classes(modelPackage)

Two classes

- Prescription

String prescriptionId;

String appointmentId;

String description;

String patientName;

String doctorName;

Pogo Classes(modelPackage)

- Appointment

String appointmentId;

String patientName;

String doctorName;

String date;

Prescription prescription;

#3-Controllers

PrescriptionController

```
@PostMapping("/saveprescription")
```

```
public Prescription saveprescription(@RequestBody Prescription prescription)
{
    Prescription pres=prescriptionRepository.save(prescription);
    return pres;
}
```

```
@GetMapping("/viewprescription")
```

```
public Prescription getprescription(@RequestParam String patientName){
    Prescription prescription=prescriptionRepository.findBypatientName(patientName);
    return prescription;
}
```

DoctorController

```
@PostMapping(value = "/save")
public Appointment saveAppointment(@RequestBody Appointment appointment){
    return appointmentRepository.save(appointment);
}

@GetMapping(value = "/doctorappointment")
public Appointment getAppointment(@RequestParam String docterName){
    Appointment appointment=appointmentRepository.findBydoctorName(docterName);
    return appointment;
}
}
```

PatientController

```
@PostMapping(value="/save")
public Appointment saveAppointment(@RequestBody Appointment
appointment){
    return appointmentRepository.save(appointment);
}

@GetMapping(value="/myappointment")
public Appointment getAppointments(@RequestParam String patientName){
    Appointment
appointment=appointmentRepository.findBypatientName(patientName);
    return appointment;
}
```

Repository

1. AppointmentRepository

@Repository

```
public interface AppointmentRepository extends  
MongoRepository<Appointment,String> {
```

```
    public Appointment findBydoctorName(String doctorName);
```

```
    public Appointment findBypatientName(String patientName);
```

```
    public Appointment save(Appointment appointment);
```

```
}
```

PrescriptionRepository

@Repository

```
public interface PrescriptionRepository extends  
MongoRepository<Prescription,String> {
```

```
    public Prescription save(Prescription prescription);
```

```
    public Prescription findBypatientName(String patientName);
```

```
}
```


Web Security

- Patient can access only PatientController and Prescriptioncontroller methods.
- Doctor can access only Doctor Controller and PrescriptionController methods.

Security access:

Username:doctor01/doctor02 (doctor)

Useraname:patient01/patient02(patient)

Password:password

Execution Commands

- ## Build the app
 - ``
 - mvn clean install
 - ``
- ## Run the app
 - ``
 - docker-compose -f docker-compose-mongo.yml up -d
 - mvn spring-boot:run

Creating docker image

mvn install dockerfile:build

running docker compose

docker-compose up -d

Show data

docker exec -it <Containername> bash/bin

mongo

show dbs

Use data

show tables

db.prescription.find()

db.appointment.find()

Stop docker container

docker-compose -f docker-compose-mongo.yml down

Thank you