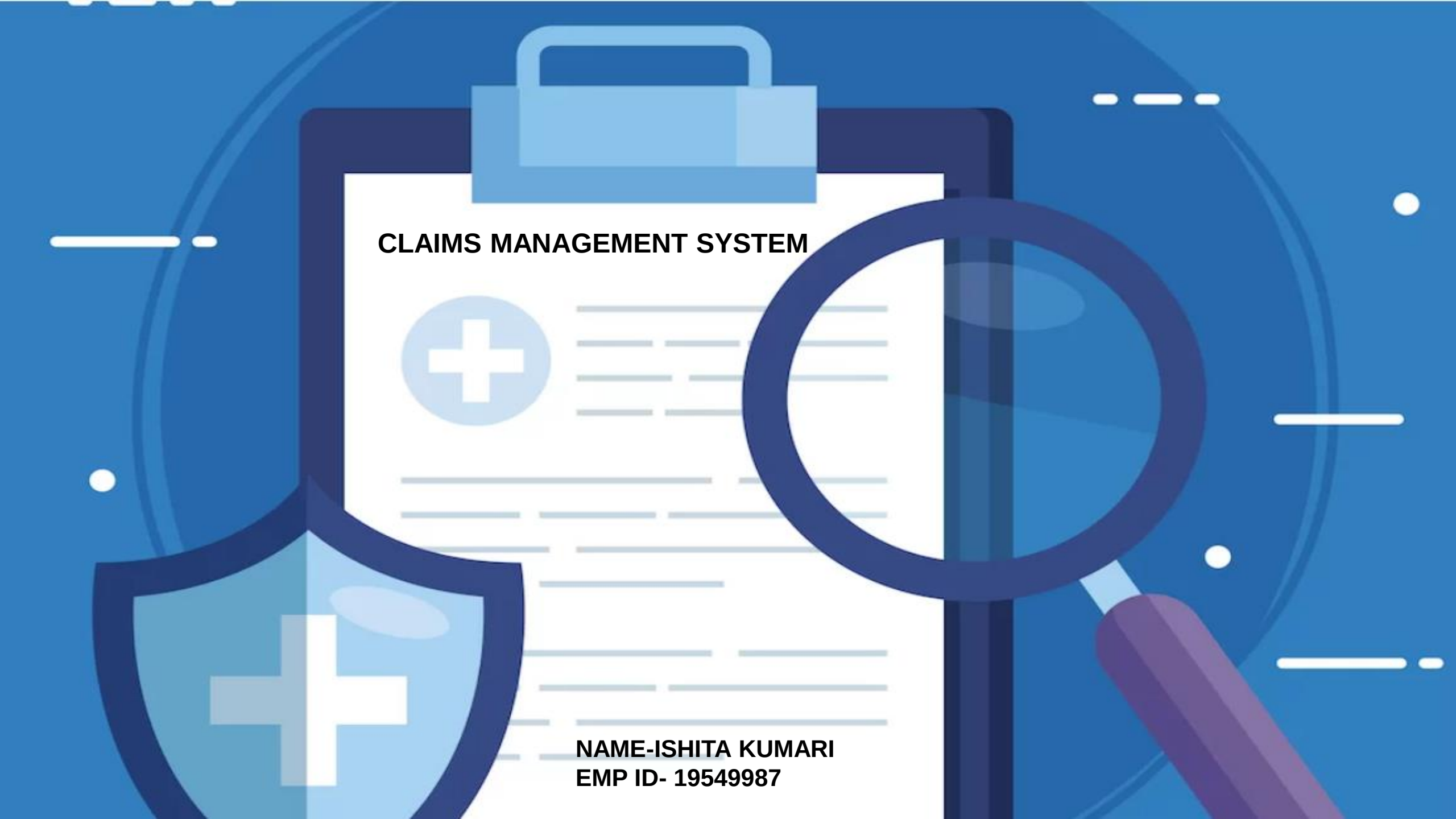

CLAIMS MANAGEMENT SYSTEM
NAME-ISHITA KUMARI
EMP ID- 19549987

TABLE OF CONENTS

- PROBLEM STATEMENT
- OVERVIEW
- FEATURES
- ARCHITECTURE
- A CLOSER LOOK

Problem Statement

A leading HealthCare Management Organization wants to strengthen its middleware by exposing the core logic related to Claims Management as Microservices.

The middleware Microservices are to be hosted on Cloud.

Member Portal to be developed that consumes these Microservices and responds back to members who are in need of Claim related information.

OVERVIEW

LIST OF MICROSERVICES

1) MEMBER PORTAL
2) AUTHORIZATION MICROSERVICE
3) MEMBER MICROSERVICE
4) CLAIMS MICROSERVICE
5) POLICY MICROSERVICE

FEATURES

SUBMIT CLAIM

The user can insert the claim details like :

1. ID
2. Hospital Name
3. Claim Amount

A claim ID will be generated corresponding to the submitted claim.

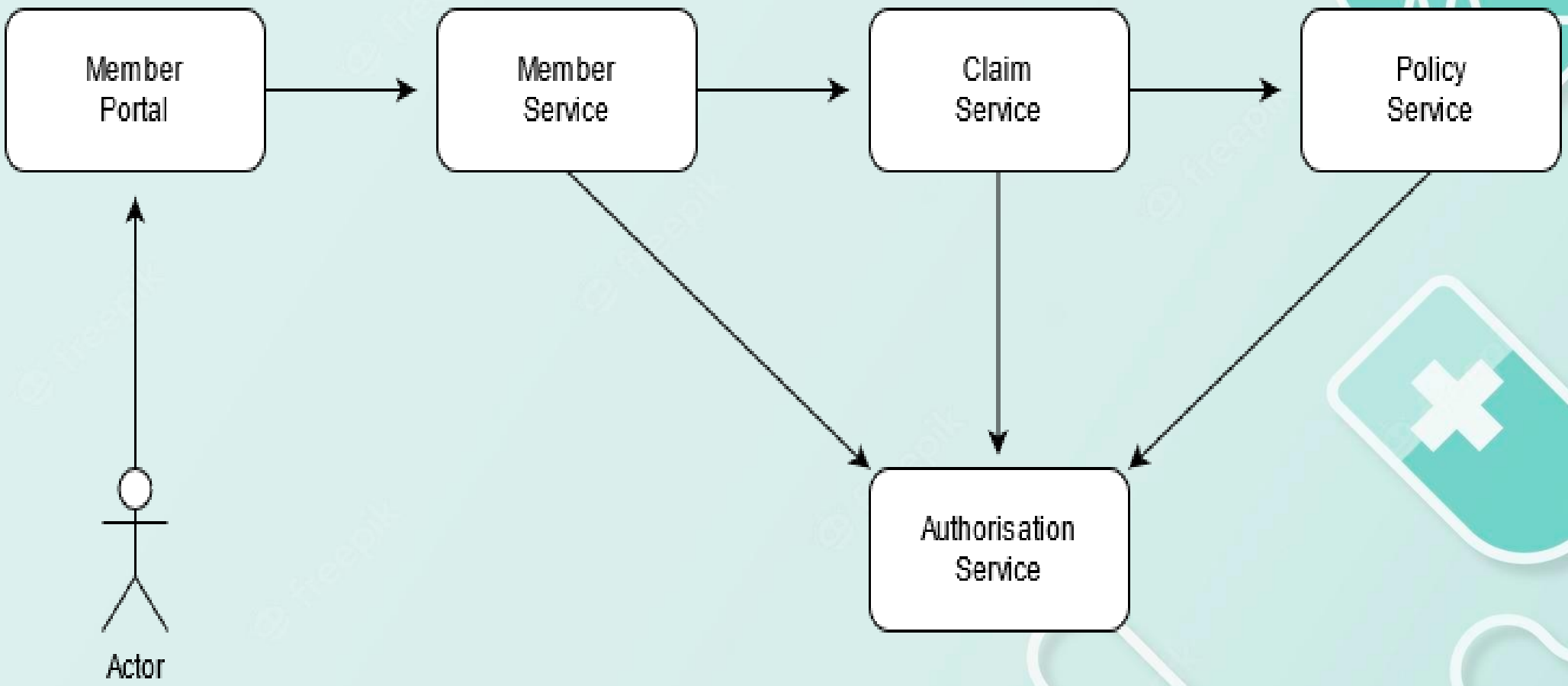
CHECK STATUS

The user can check the status of a particular claim with the given claim ID. For instance, Claim is pending as more documents are needed for verification.

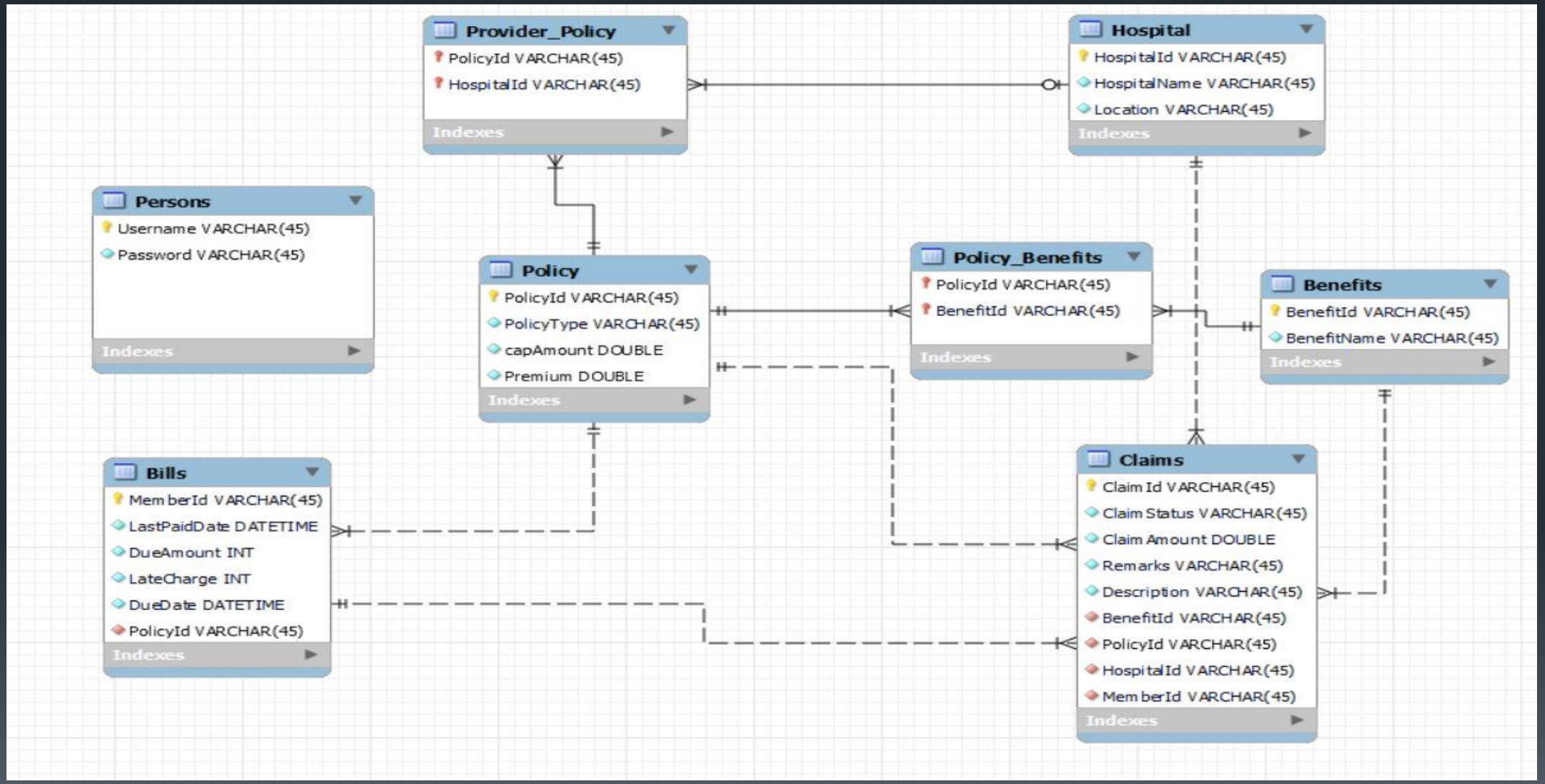
VIEW BILLS

The User can see if he/she has any pending bills along with the last premium paid date and what's the next Due date.

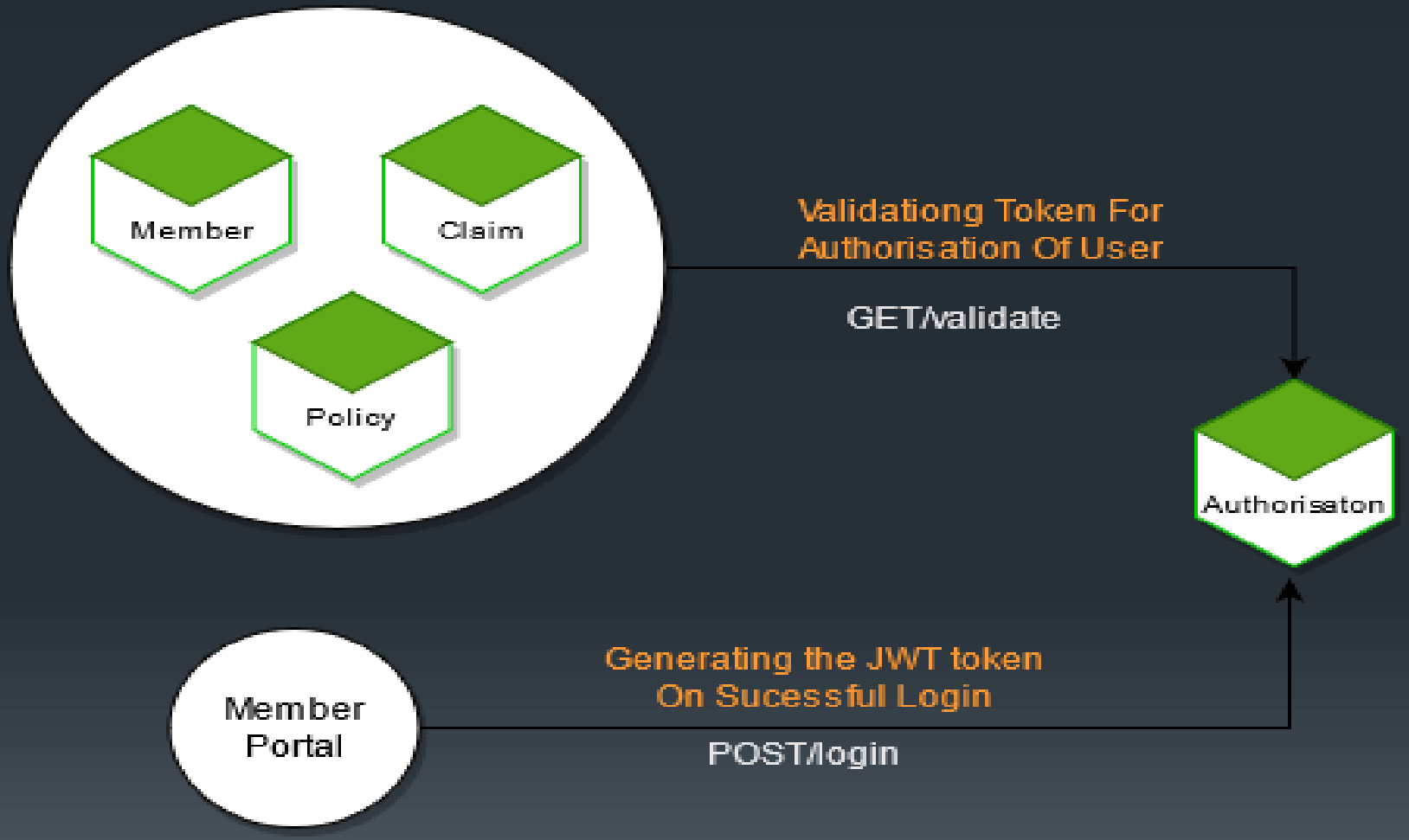
ARCHITECTURE/FLOW DIAGRAM



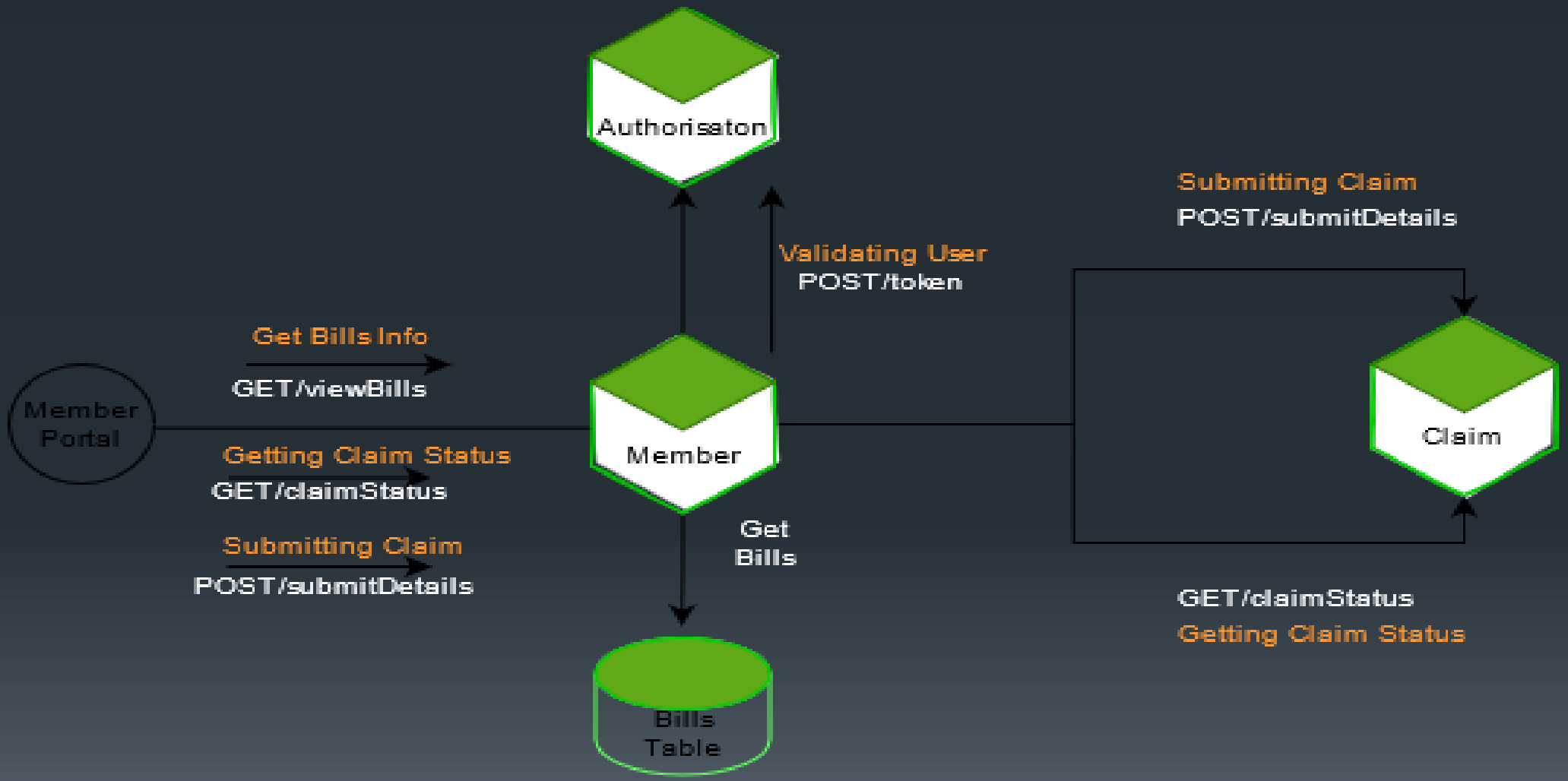
DATABASE SCHEMA



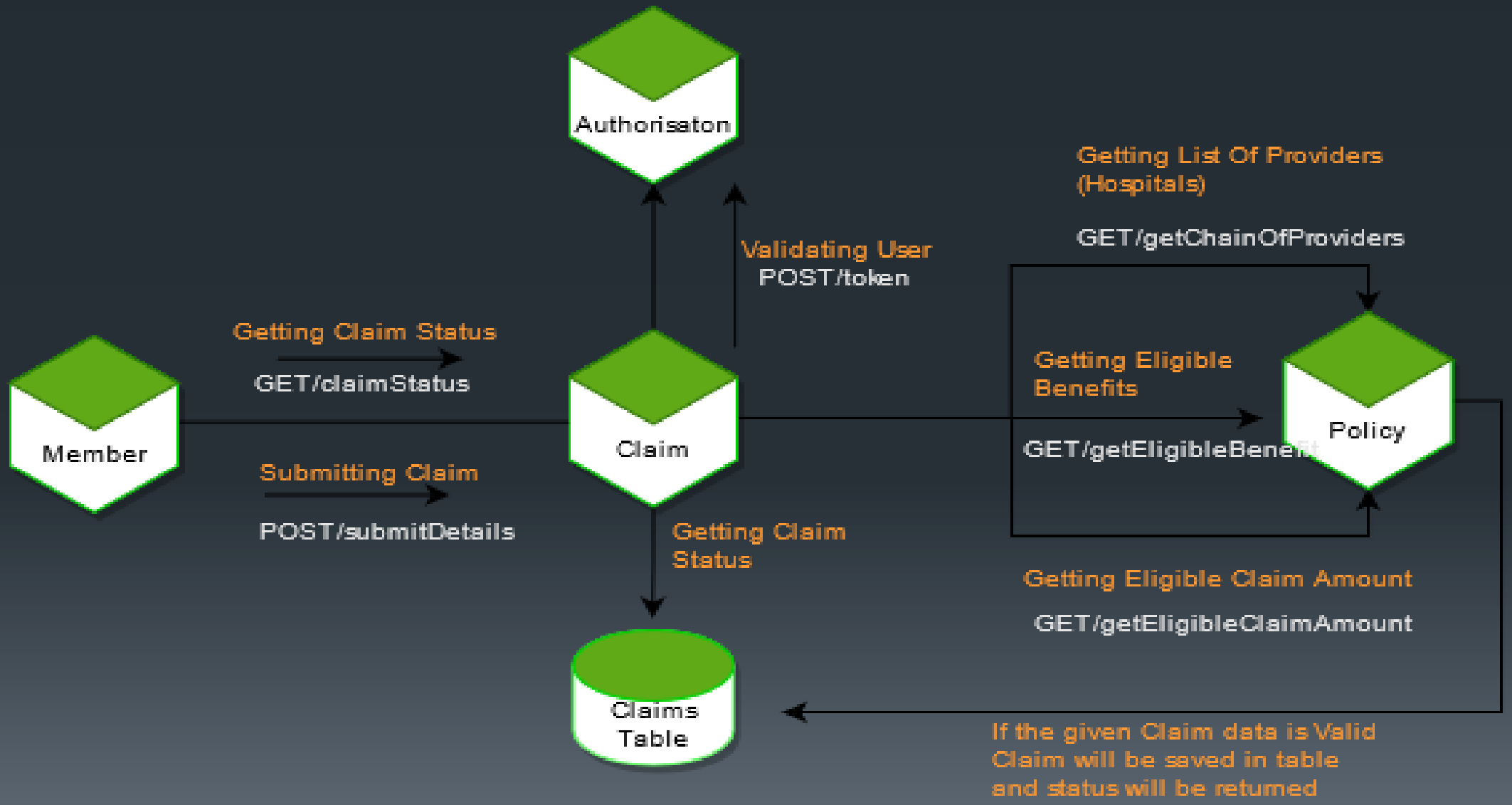
AUTH MODULE


Member
Claim
Policy
Validationg Token For
Authorisation Of User
GET/validate
Authorisaton
Member
Portal
Generating the JWT token
On Sucessful Login
POST/login

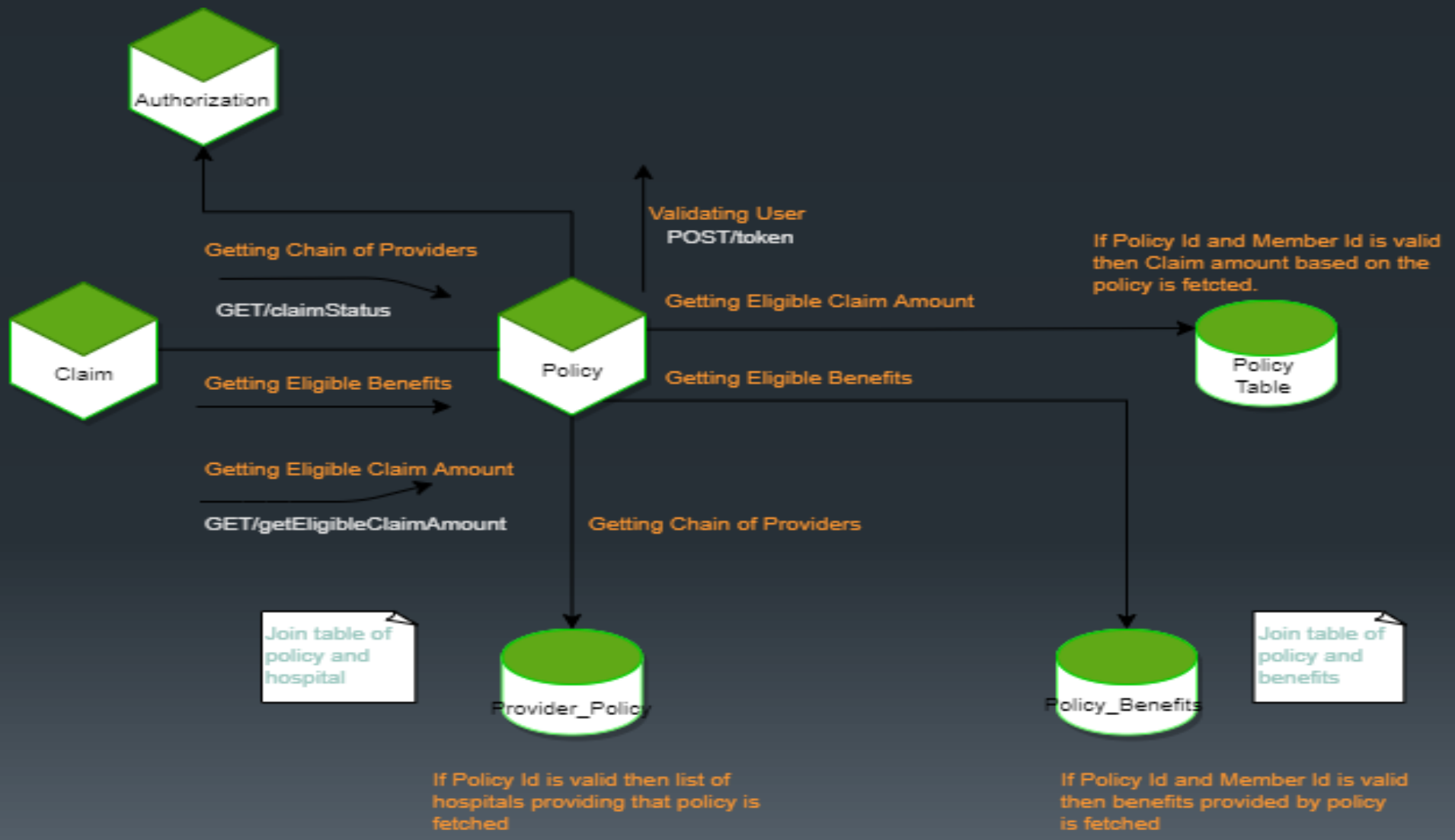
MEMBER MODULE



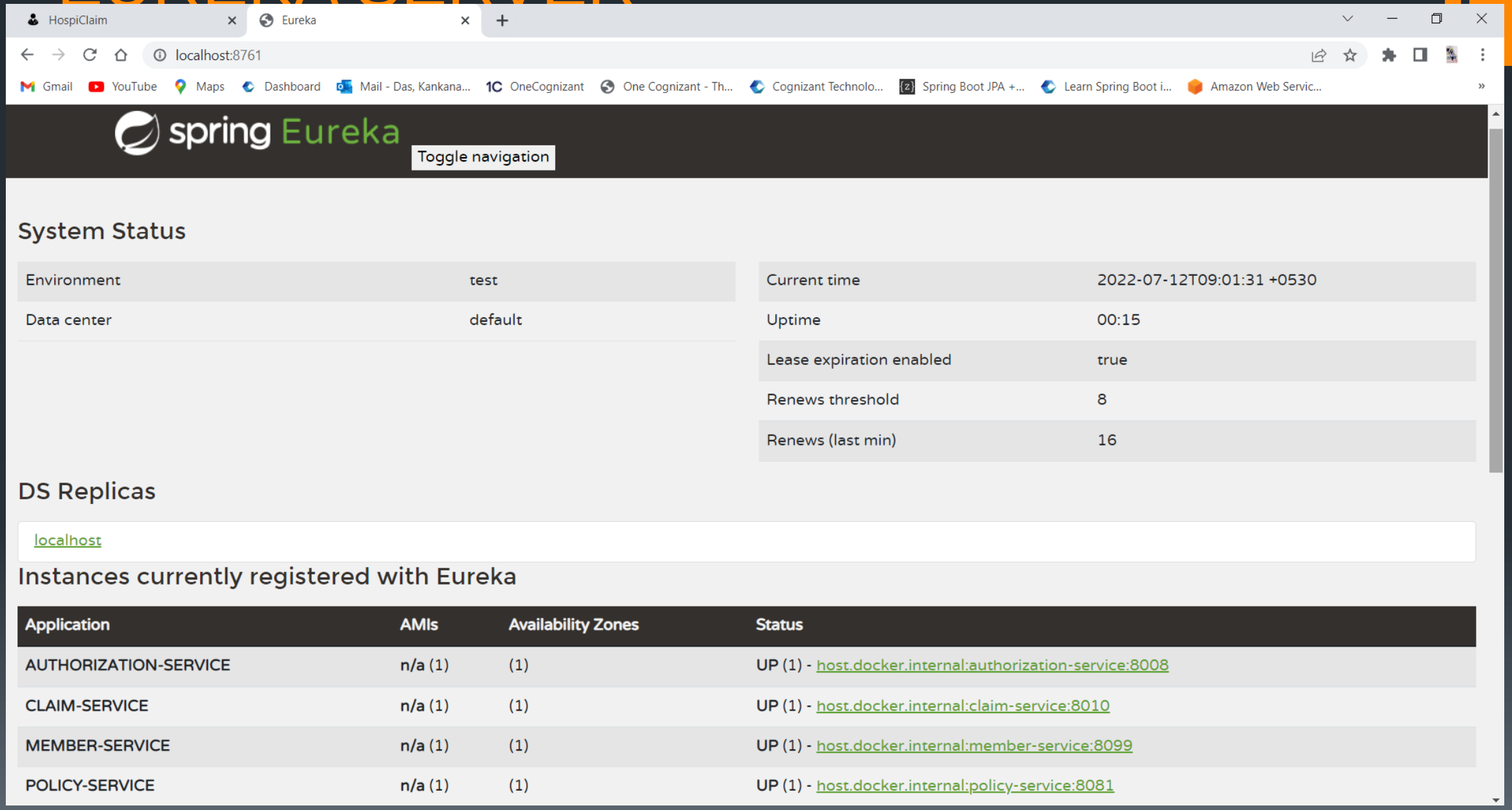
CLAIMS MODULE



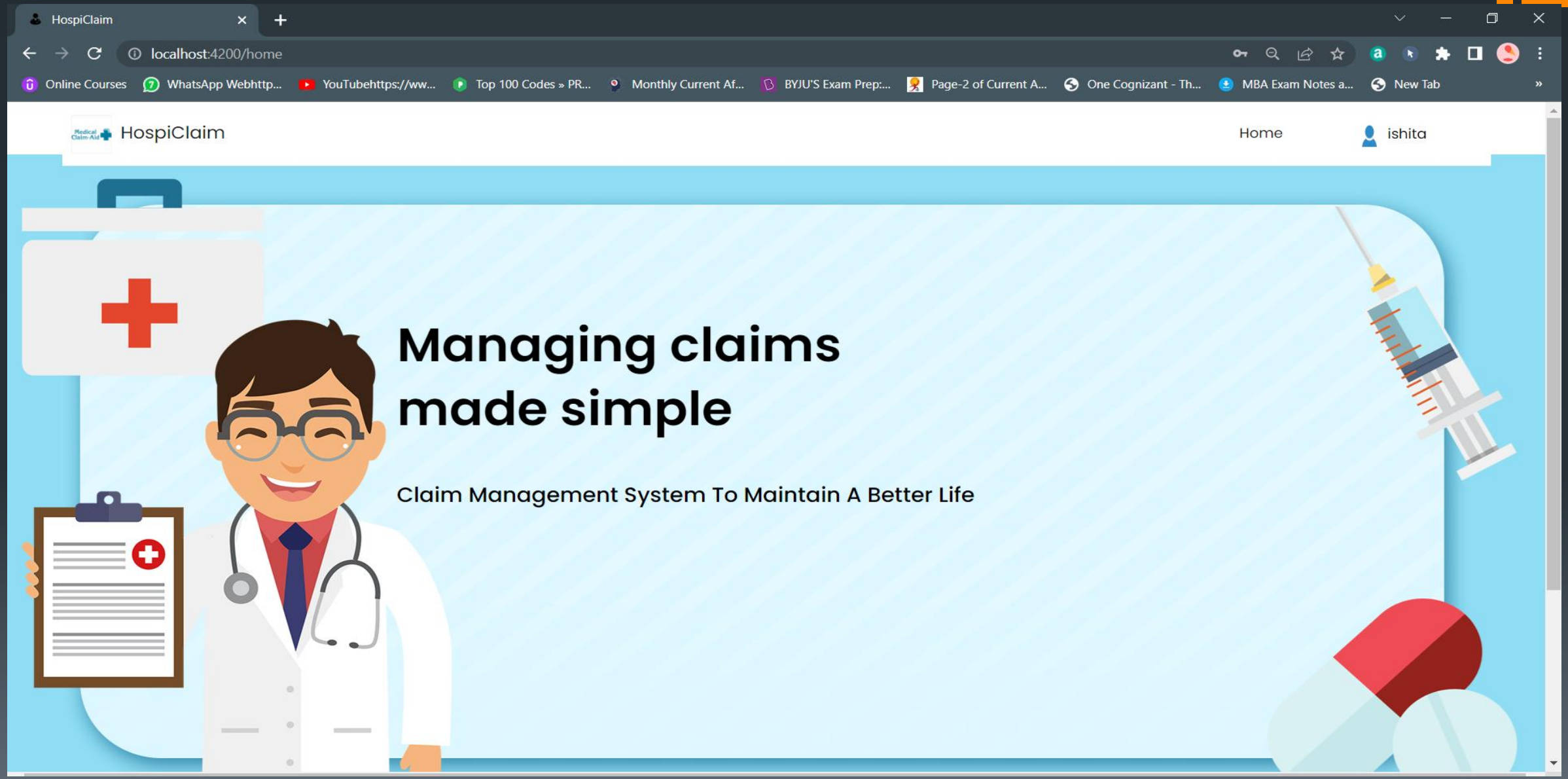
POLICY MODULE



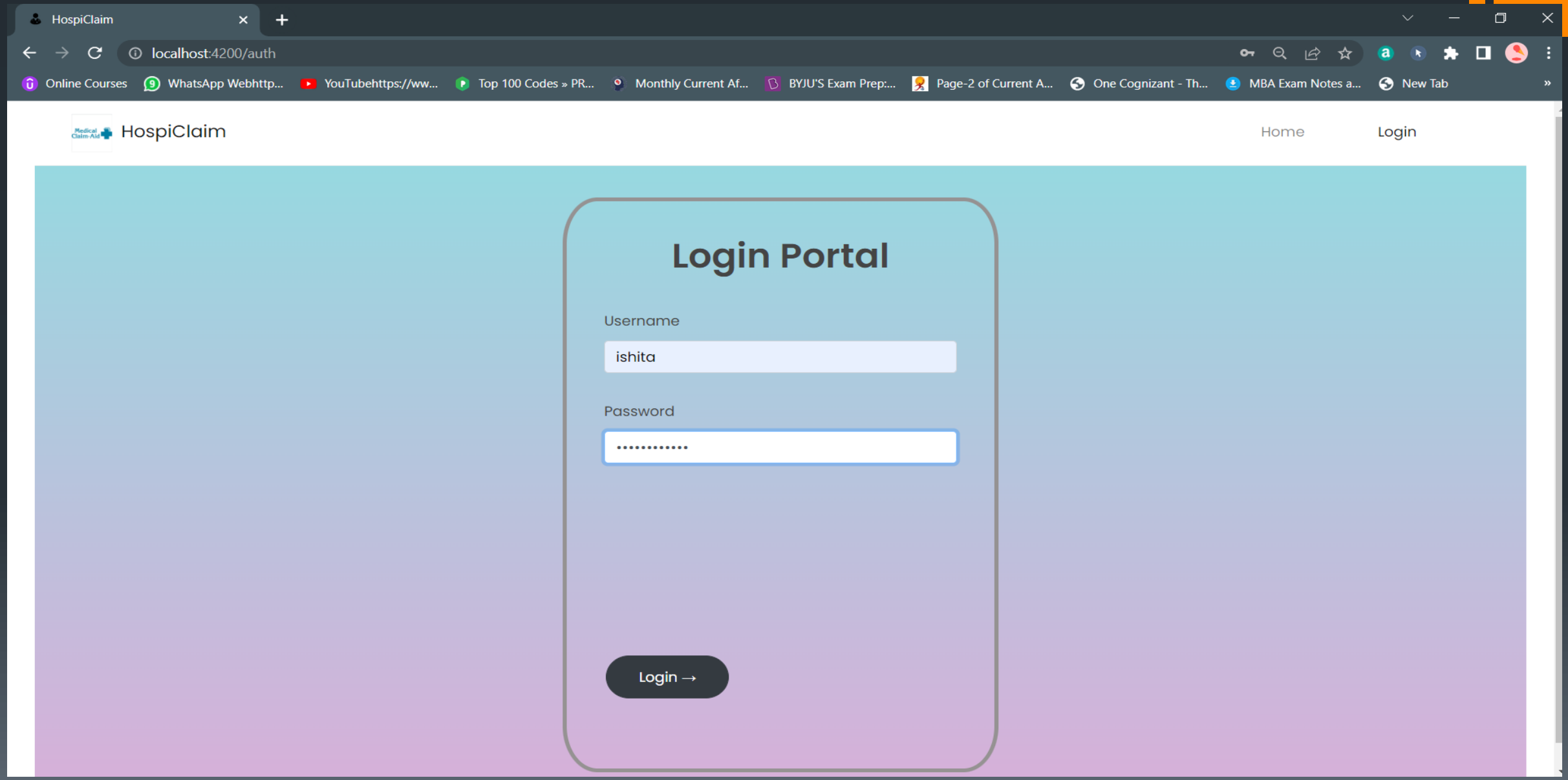
EUREKA SERVER



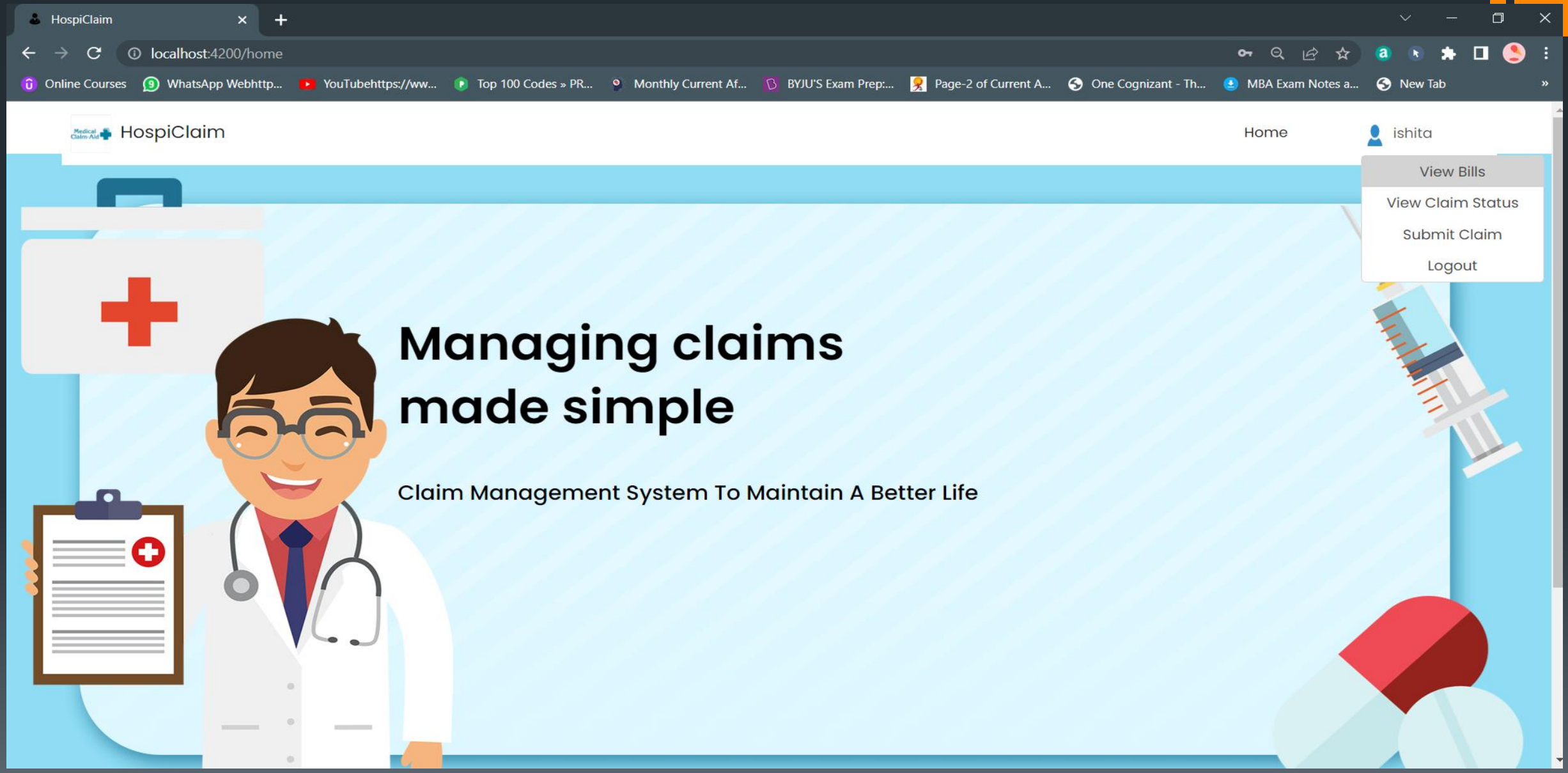
MEMBER PORTAL



LOGIN PAGE


HospiClaim
localhost:4200/auth
Online Courses
WhatsApp Webhttp...
YouTubehttps://ww...
Top 100 Codes » PR...
Monthly Current Af...
BYJU'S Exam Prep:...
Page-2 of Current A...
One Cognizant - Th...
MBA Exam Notes a...
New Tab
HospiClaim
Home
Login
Login Portal
Username
ishita
Password
Login →

HOMEPAGE


HospiClaim
localhost:4200/home
Online Courses
WhatsApp Webhttp...
YouTubehttps://ww...
Top 100 Codes » PR...
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View Bills
View Claim Status
Submit Claim
Logout
Managing claims made simple
Claim Management System To Maintain A Better Life

HospiClaim

localhost:4200/ishita/viewClaims

Online Courses | WhatsApp Webhttp... | YouTubehttps://ww... | Top 100 Codes » PR... | Monthly Current Af... | BYJU'S Exam Prep:... | Page-2 of Current A... | One Cognizant - Th... | MBA Exam Notes a... | New Tab

HospiClaim

Home

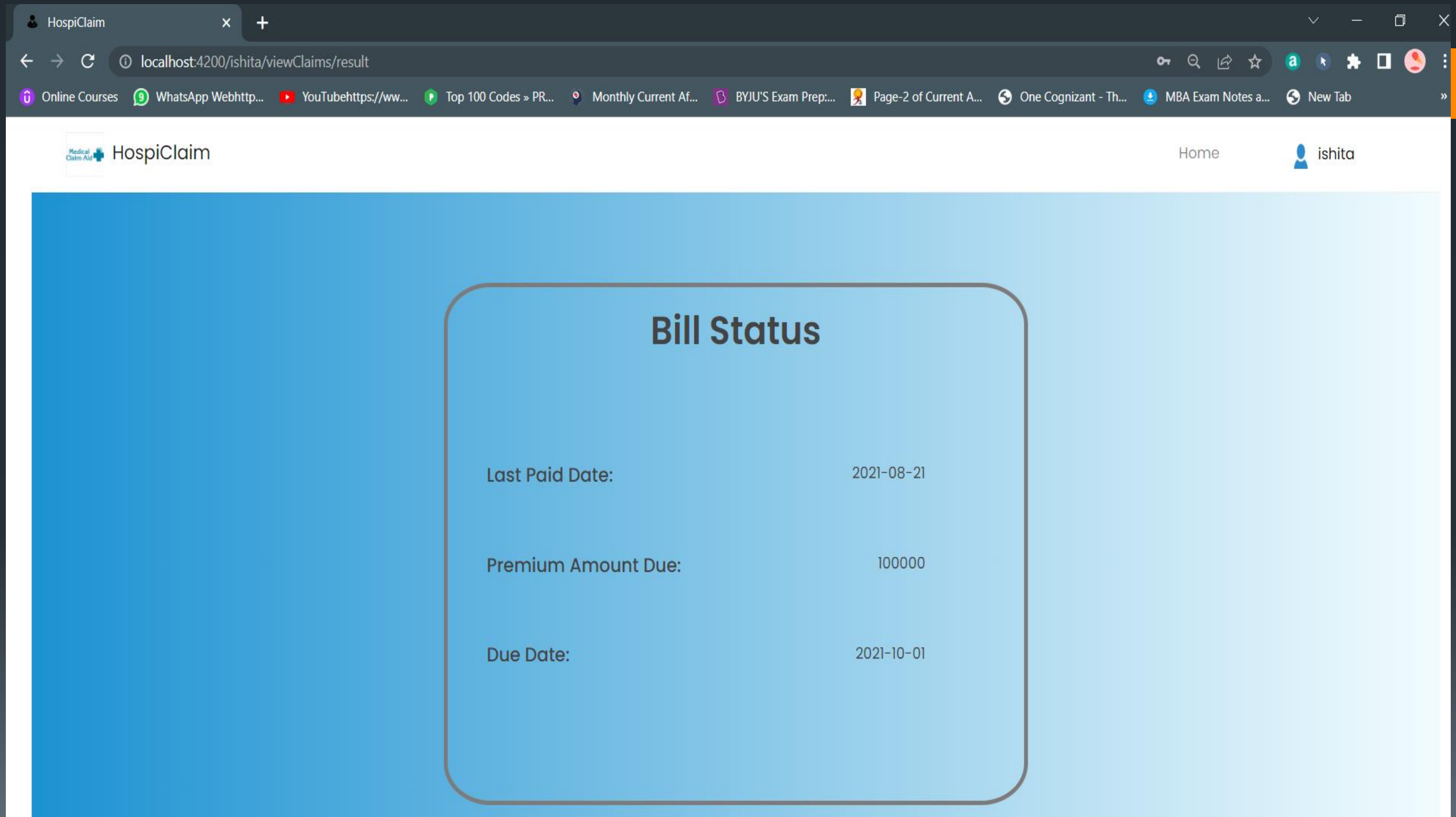
ishita

VIEW BILLS

Member ID

M101

View bill →


HospiClaim
localhost:4200/ishita/viewClaims/result
Online Courses
WhatsApp Webhttp...
YouTubehttps://ww...
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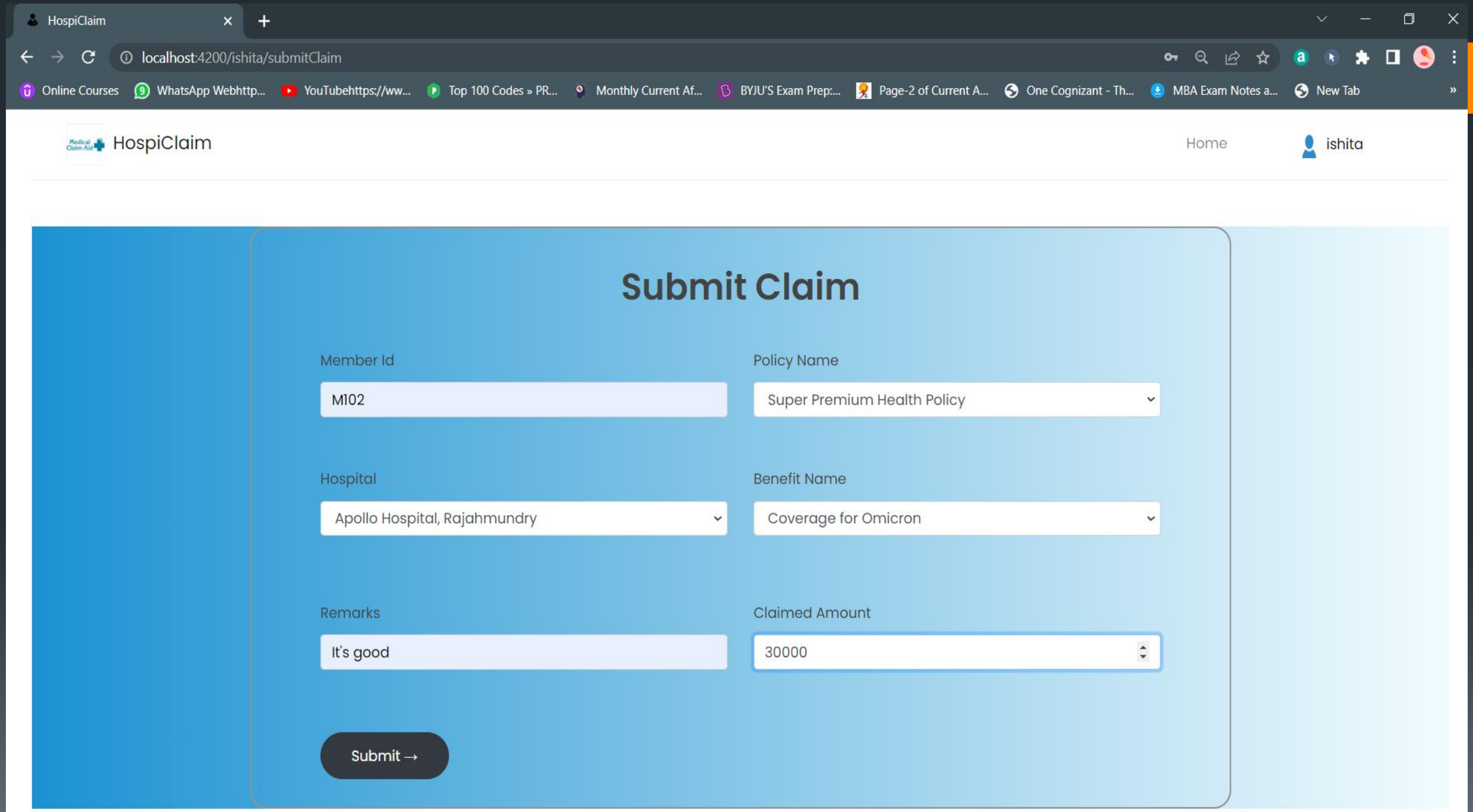
MBA Exam Notes a...
New Tab
HospiClaim
Home
ishita
Bill Status
Last Paid Date:
2021-08-21
Premium Amount Due:
100000
Due Date:
2021-10-01


HospiClaim
localhost:4200/ishita/submitClaim
Online Courses
WhatsApp Webhttp...
YouTubehttps://ww...
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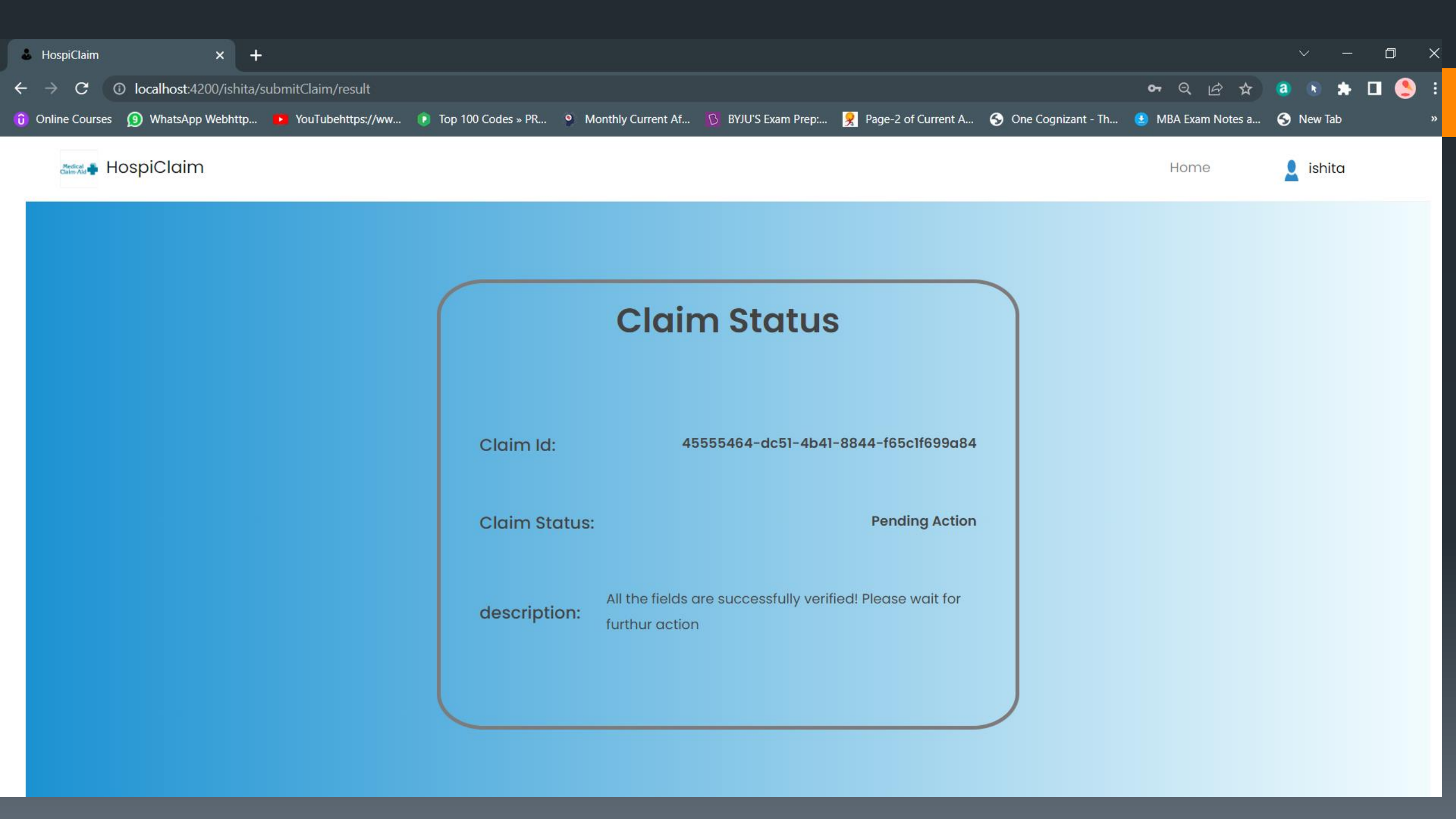
New Tab
HospiClaim
Home
ishita
Submit Claim
Member Id
M102
Policy Name
Super Premium Health Policy
Hospital
Apollo Hospital, Rajahmundry
Benefit Name
Coverage for Omicron
Remarks
It's good
Claimed Amount
30000
Submit →


HospiClaim
localhost:4200/ishita/submitClaim/result
Online Courses
WhatsApp Webhttp...
YouTubehttps://ww...
Top 100 Codes » PR...
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BYJU'S Exam Prep:...
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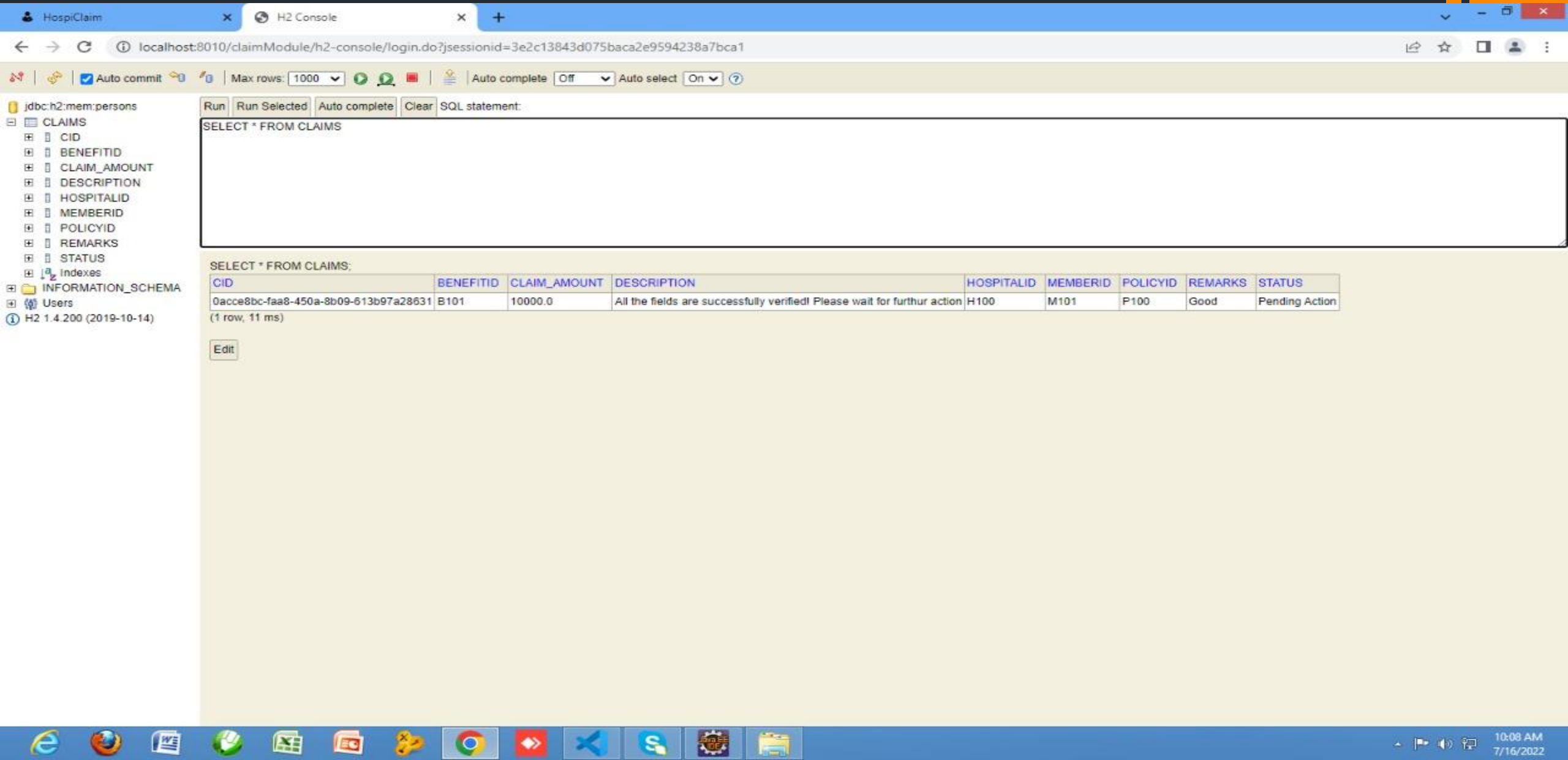
New Tab
HospiClaim
Home
ishita
Claim Status
Claim Id:
45555464-dc51-4b41-8844-f65c1f699a84
Claim Status:
Pending Action
description:
All the fields are successfully verified! Please wait for furthur action

H2 CONSOLE


HospiClaim
H2 Console
localhost:8010/claimModule/h2-console/login.do?jsessionid=3e2c13843d075baca2e9594238a7bca1
Auto commit
Max rows: 1000
Auto complete Off
Auto select On
jdbc:h2:mem:persons
CLAIMS
CID
BENEFITID
CLAIM_AMOUNT
DESCRIPTION
HOSPITALID
MEMBERID
POLICYID
REMARKS
STATUS
Indexes
INFORMATION_SCHEMA
Users
H2 1.4.200 (2019-10-14)
Run
Run Selected
Auto complete
Clear
SQL statement:
SELECT * FROM CLAIMS
SELECT * FROM CLAIMS;
CID
BENEFITID
CLAIM_AMOUNT
DESCRIPTION
HOSPITALID
MEMBERID
POLICYID
REMARKS
STATUS
0acce8bc-faa8-450a-8b09-613b97a28631
B101
10000.0
All the fields are successfully verified! Please wait for furthur action
H100
M101
P100
Good
Pending Action
(1 row, 11 ms)
Edit
10:08 AM
7/16/2022

HospiClaim | H2 Console | H2 Console

localhost:8099/memberModule/h2-console/login.do?jsessionid=5c8db66add3f8a7c00f572450924646d

Auto commit | Max rows: 1000 | Auto complete Off | Auto select On

jdbc:h2:mem:Bills
- BILLS
  - MID
  - DUEAMOUNT
  - DUEDATE
  - LASTPAIDDATE
  - LATECHARGE
  - PID
  - Indexes
- INFORMATION_SCHEMA
- Users

H2 1.4.200 (2019-10-14)

Run | Run Selected | Auto complete | Clear | SQL statement:

```
SELECT * FROM BILLS
```

SELECT * FROM BILLS;

MID	DUEAMOUNT	DUEDATE	LASTPAIDDATE	LATECHARGE	PID
M101	100000	2021-10-01	2021-08-21	7000	P101
M102	5000	2022-05-10	2022-02-10	500	P102
M103	19000	2022-05-30	2021-10-20	0	P103
M104	21000	2022-08-10	2022-04-05	0	P102

(4 rows, 8 ms)

Edit

10:09 AM
7/16/2022

HospiClaim | H2 Console | H2 Console | H2 Console

localhost:8081/policy/h2-console/login.do?jsessionid=777a94590293e08f24ac078e2d148e9b

Auto commit | Max rows: 1000 | Auto complete Off | Auto select On

jdbc:h2:mem:claimsmanagement

- BENEFITS
  - BID
  - NAME
  - Indexes
- HOSPITAL
  - HID
  - LOCATION
  - NAME
  - Indexes
- MEMBER_POLICY
  - MID
  - PID
  - PREMIUM_LAST_DATE
  - SUBSCRIPTION_DATE
  - TENURE
  - Indexes
- POLICY
  - PID
  - POLICY_TYPE
  - PREMIUM
  - CAP_AMOUNT
  - Indexes
- POLICY_BENEFITS
  - POLICY_ID
  - BENEFITID
  - Indexes
- PROVIDER_POLICY
  - POLICY_ID
  - HOSPITAL_ID
  - Indexes
- INFORMATION_SCHEMA
- Users

H2 1.4.200 (2019-10-14)

Run | Run Selected | Auto complete | Clear | SQL statement:

```
SELECT * FROM POLICY
```

SELECT * FROM POLICY;

PID	POLICY_TYPE	PREMIUM	CAP_AMOUNT
P100	Normal Health Policy	12830.0	30000.0
P300	Super Premium Health Policy	18023.0	90000.0
P200	Premium Health Policy	15391.0	60000.0

(3 rows, 8 ms)

Edit

10:10 AM
7/16/2022

THANK
YOU