Weather Application API use Documentation

JWT Authentication API :

API : <http://localhost:9898/authenticate>

Method : POST

Body :

{

    "username":"gopinath",

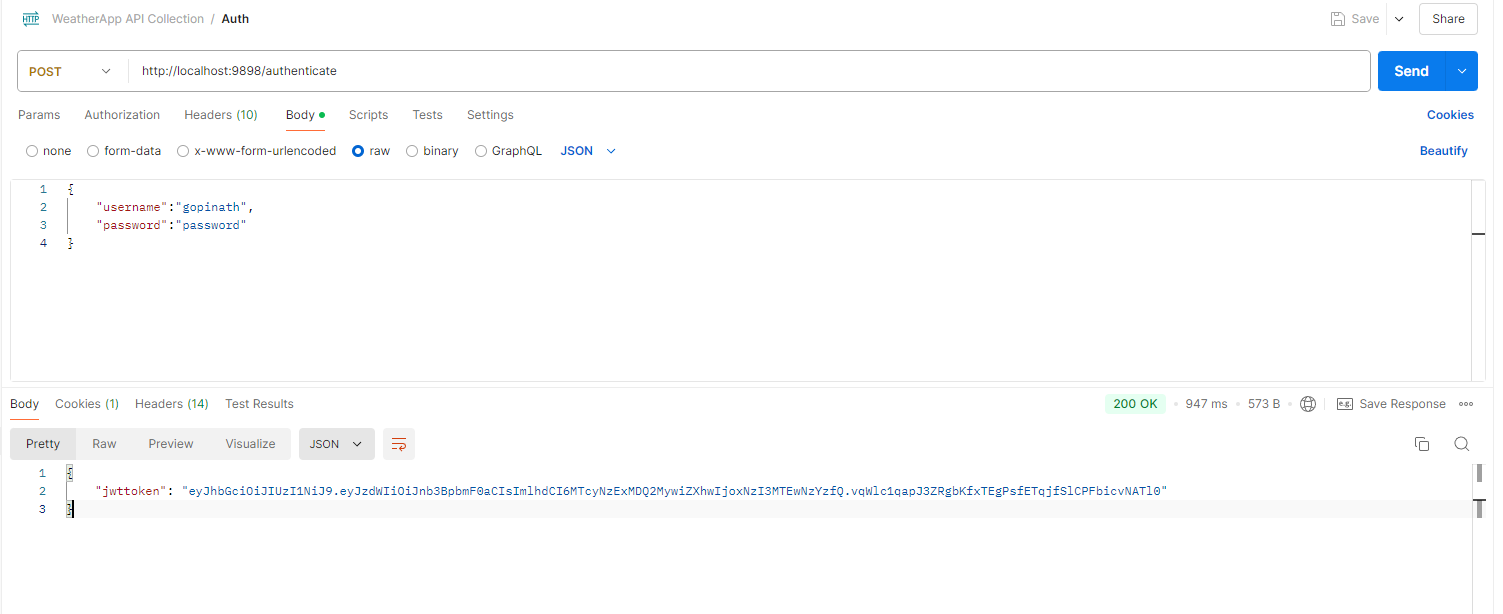
    "password":"password"

}

Output : {

    "jwttoken": "eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJnb3BpbmF0aCIsImlhdCI6MTcyNzExMDQ2MywiZXhwIjoxNzI3MTEwNzYzfQ.vqWlc1qapJ3ZRgbKfxTEgPsfETqjfSlCPFbicvNATl0"

}

Snap: 

1. REST API : to fetch weather by User and US Postal Code

API : <http://localhost:9898/api/weather>

Method : POST

Body :

{

    "user":"John",

    "postalCode":"29636"

}

And paste generated Bearer Token for authorization

Output:

{

    "id": 13,

    "user": "John",

    "postalCode": "29636",

    "temperature": 26.01,

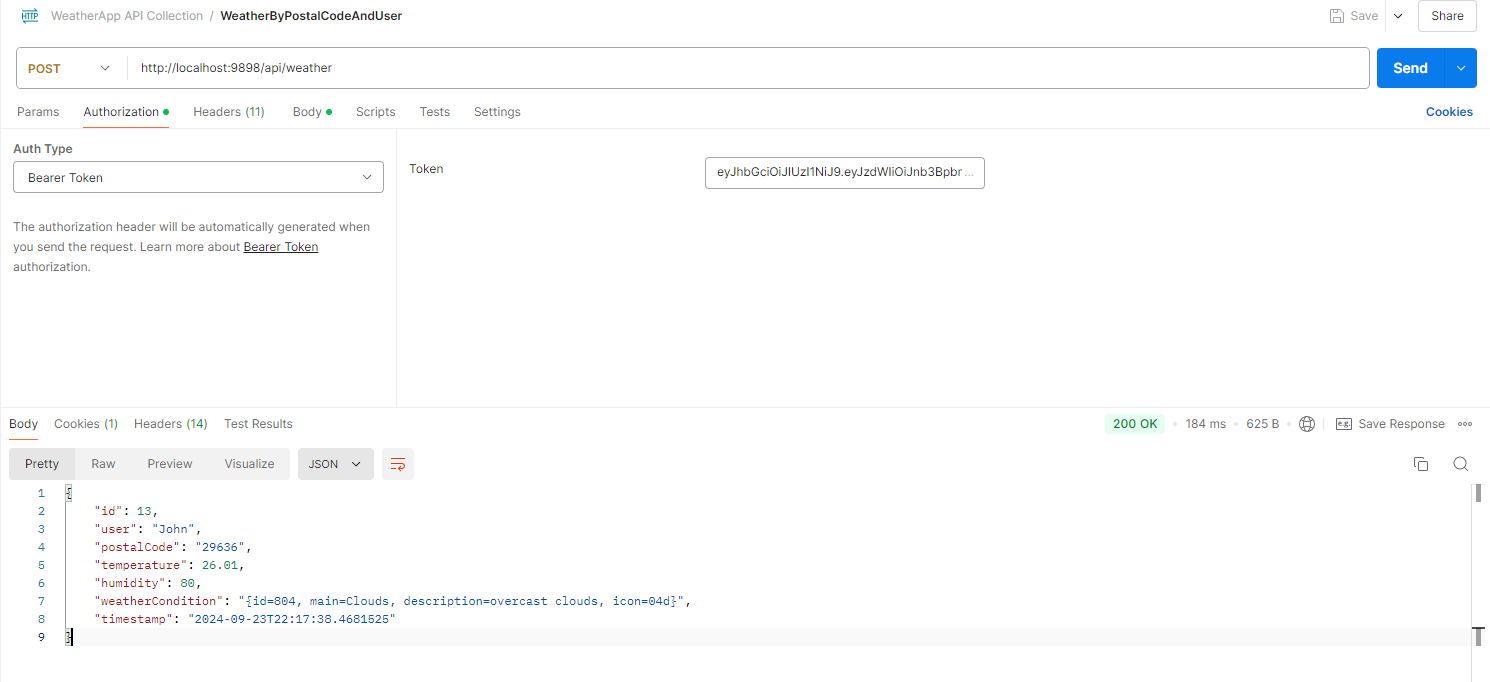
    "humidity": 80,

    "weatherCondition": "{id=804, main=Clouds, description=overcast clouds, icon=04d}",

    "timestamp": "2024-09-23T22:17:38.4681525"

}

Snap :



1. REST API : to retrieve all weather fetched by postal code so far

API : <http://localhost:9898/api/weather/29636>

Method: GET

paste generated Bearer Token for authorization

Output :

[

    {

        "id": 8,

        "user": "Gopinath",

        "postalCode": "29636",

        "temperature": 25.39,

        "humidity": 82,

        "weatherCondition": "{id=804, main=Clouds, description=overcast clouds, icon=04d}",

        "timestamp": "2024-09-23T21:51:54.378298"

    },

    {

        "id": 9,

        "user": "Vaibhav",

        "postalCode": "29636",

        "temperature": 25.39,

        "humidity": 82,

        "weatherCondition": "{id=804, main=Clouds, description=overcast clouds, icon=04d}",

        "timestamp": "2024-09-23T21:52:17.227279"

    },

    {

        "id": 12,

        "user": "Mrunal",

        "postalCode": "29636",

        "temperature": 26.01,

        "humidity": 80,

        "weatherCondition": "{id=804, main=Clouds, description=overcast clouds, icon=04d}",

        "timestamp": "2024-09-23T22:17:05.398193"

    },

    {

        "id": 13,

        "user": "John",

        "postalCode": "29636",

        "temperature": 26.01,

        "humidity": 80,

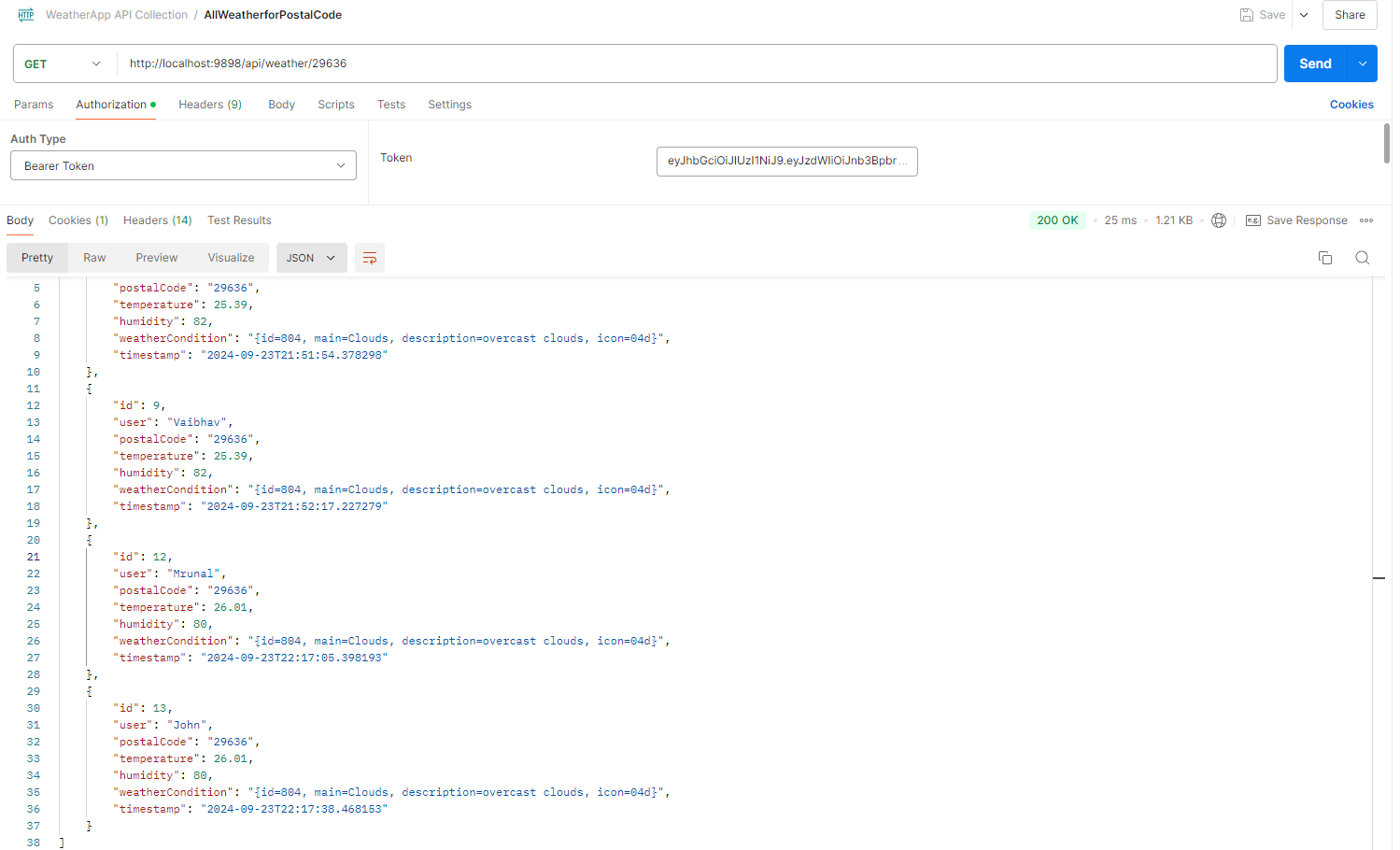
        "weatherCondition": "{id=804, main=Clouds, description=overcast clouds, icon=04d}",

        "timestamp": "2024-09-23T22:17:38.468153"

    }

]

Snap :



1. REST API : to retrieve all weather fetched by User so far

API : <http://localhost:9898/api/weather/user/Gopinath>

Method : GET

paste generated Bearer Token for authorization

Output:

[

    {

        "id": 1,

        "user": "Gopinath",

        "postalCode": "94040",

        "temperature": 18.23,

        "humidity": 80,

        "weatherCondition": "{id=800, main=Clear, description=clear sky, icon=01d}",

        "timestamp": "2024-09-23T21:43:21.238747"

    },

    {

        "id": 2,

        "user": "Gopinath",

        "postalCode": "33631",

        "temperature": 31.16,

        "humidity": 68,

        "weatherCondition": "{id=800, main=Clear, description=clear sky, icon=01d}",

        "timestamp": "2024-09-23T21:46:59.242444"

    },

    {

        "id": 3,

        "user": "Gopinath",

        "postalCode": "73001",

        "temperature": 17.5,

        "humidity": 80,

        "weatherCondition": "{id=802, main=Clouds, description=scattered clouds, icon=03d}",

        "timestamp": "2024-09-23T21:49:13.189714"

    },

    {

        "id": 4,

        "user": "Gopinath",

        "postalCode": "29641",

        "temperature": 25.35,

        "humidity": 80,

        "weatherCondition": "{id=804, main=Clouds, description=overcast clouds, icon=04d}",

        "timestamp": "2024-09-23T21:49:40.474937"

    },

    {

        "id": 5,

        "user": "Gopinath",

        "postalCode": "41702",

        "temperature": 24.13,

        "humidity": 68,

        "weatherCondition": "{id=803, main=Clouds, description=broken clouds, icon=04d}",

        "timestamp": "2024-09-23T21:49:54.143231"

    },

    {

        "id": 6,

        "user": "Gopinath",

        "postalCode": "49734",

        "temperature": 15.84,

        "humidity": 59,

        "weatherCondition": "{id=801, main=Clouds, description=few clouds, icon=02d}",

        "timestamp": "2024-09-23T21:50:22.498272"

    },

    {

        "id": 7,

        "user": "Gopinath",

        "postalCode": "29641",

        "temperature": 25.35,

        "humidity": 80,

        "weatherCondition": "{id=804, main=Clouds, description=overcast clouds, icon=04d}",

        "timestamp": "2024-09-23T21:51:37.662232"

    },

    {

        "id": 8,

        "user": "Gopinath",

        "postalCode": "29636",

        "temperature": 25.39,

        "humidity": 82,

        "weatherCondition": "{id=804, main=Clouds, description=overcast clouds, icon=04d}",

        "timestamp": "2024-09-23T21:51:54.378298"

    }

]

Snap :

