KHAOULA CHIHAB

Rapport

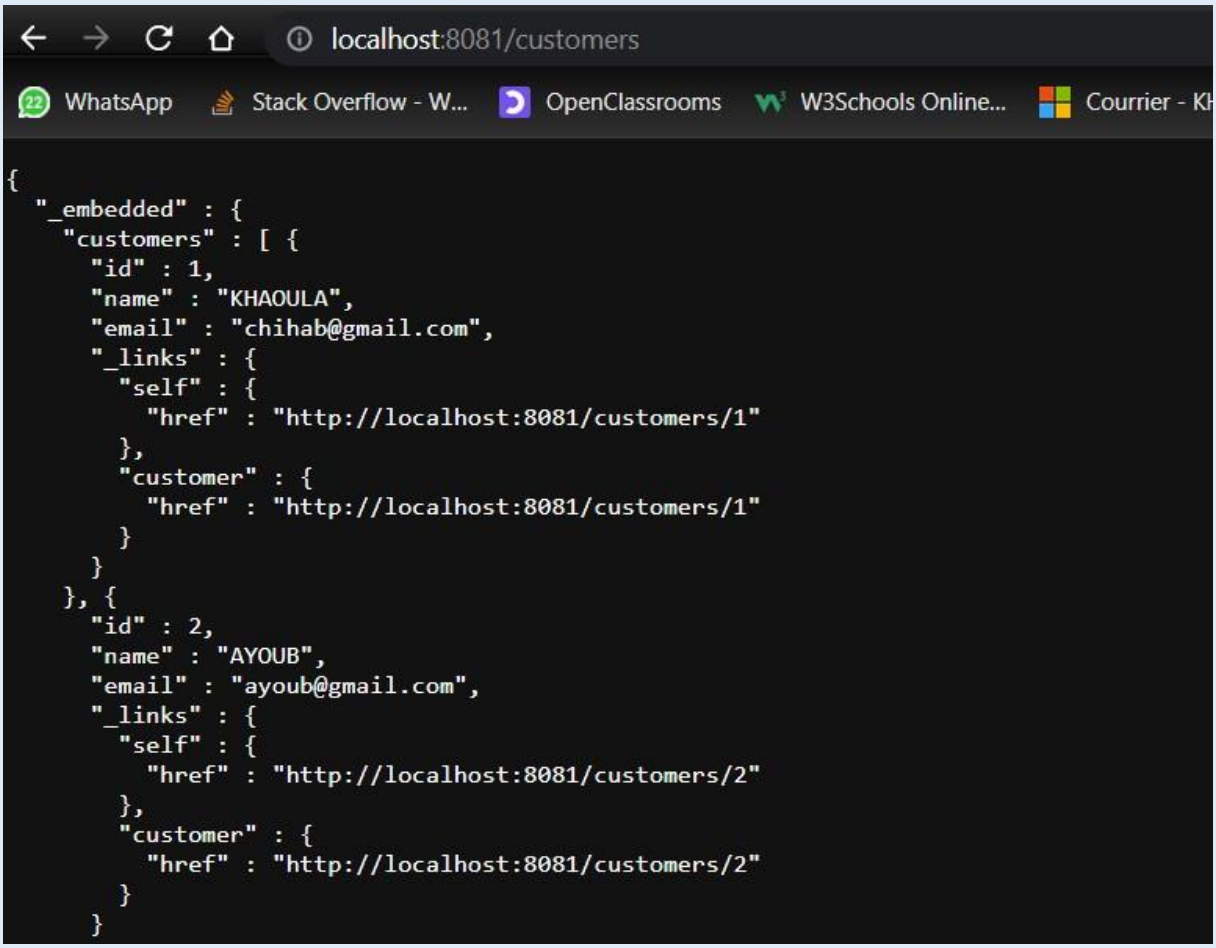
Application basée sur une architecture micro-service de gestion des factures .

Ecom-App

Travail a faire :

Un micro-service customer-service : gestion des clients «

GET »



Fonction Ajouter customer(frontend)

```
saveCustomer(){
  this.customer=new Customer();
  this.customer.name=this.customerFormGroup.value.name;
  this.customer.email=this.customerFormGroup.value.email;
  this.save();
}

save() (property) CustomersComponent.customerService: CustomerService
  this.customerService.createCustomer(this.customer)
    .subscribe({
      next: (data)=>{
        Swal.fire(
          'Customer Added Successfully!',
          'You clicked the button!',
          'success'
        )
        this.ngOnInit();
      },
      error: (err)=>{
        console.log(err)
      }
    });
  this.customer = new Customer();
}
```

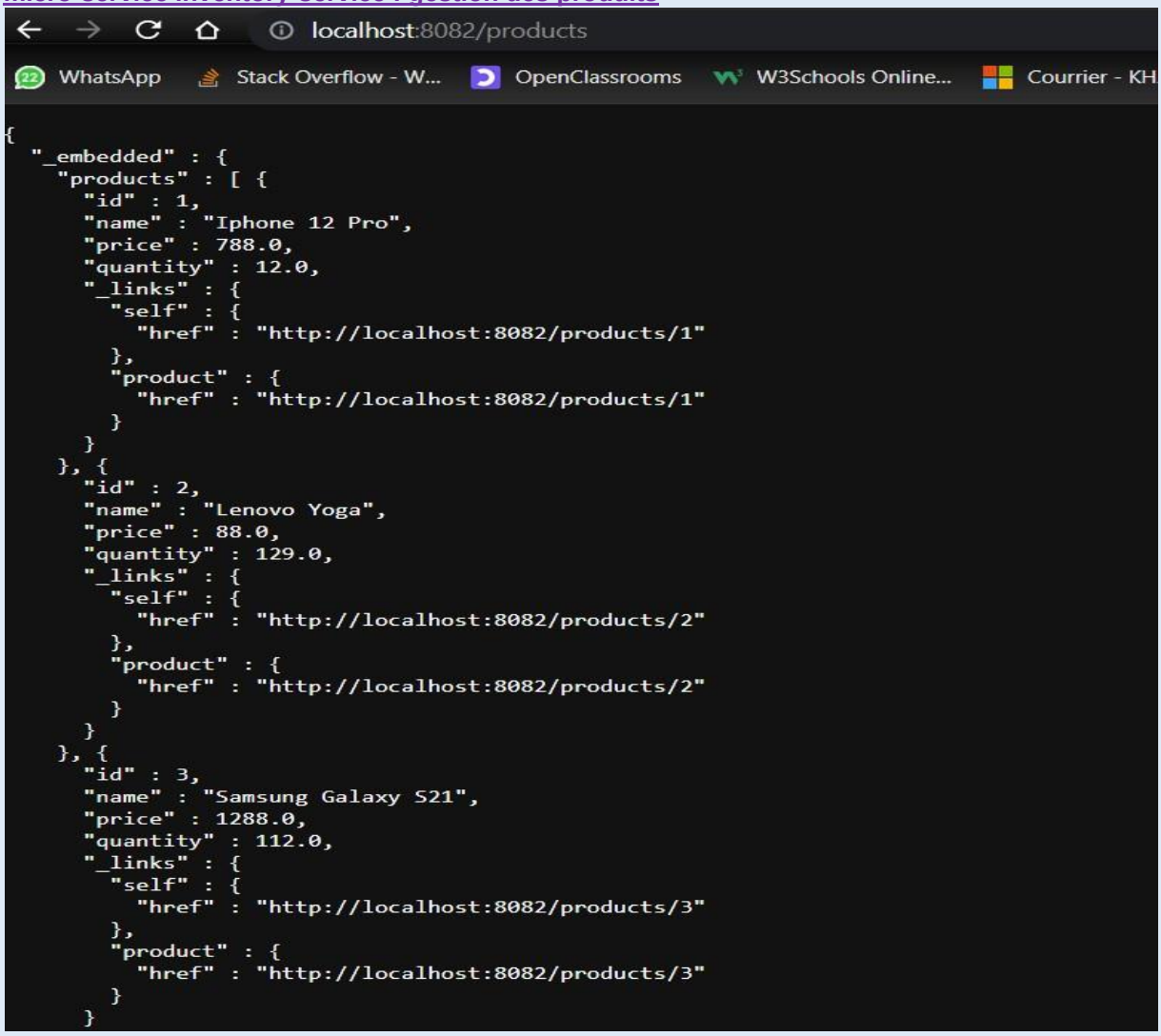
Supprimer customer

```
deleteCustomer(id: number) {
  this.customerService.deleteCustomer(id)
  .subscribe({
    next: (data)=>{
      Swal.fire(
        'Customer Removed !',
        'You clicked the button!',
        'success'
      )
      this.ngOnInit();
    },
    error: (err)=>{
      console.log(err)
    }
  });
}
```

Backend (ajouter customer , supprimer customer)

```java
public class CustomerController {

    2 usages
    @Autowired
    private CustomerService service;

    khaoulachihab
    @PostMapping("/addcustomer")
    public void add(@RequestBody Customer p) { service.addCustomer(p); }

    khaoulachihab
    @DeleteMapping("/deletecustomer/{id}")
    public String deletecustomer(@PathVariable int id) { return service.deleteCustomer(id); }

}
```

micro-service inventory-service : gestion des produits




```
{
  "_embedded" : {
    "products" : [ {
      "id" : 1,
      "name" : "Iphone 12 Pro",
      "price" : 788.0,
      "quantity" : 12.0,
      "_links" : {
        "self" : {
          "href" : "http://localhost:8082/products/1"
        },
        "product" : {
          "href" : "http://localhost:8082/products/1"
        }
      }
    }, {
      "id" : 2,
      "name" : "Lenovo Yoga",
      "price" : 88.0,
      "quantity" : 129.0,
      "_links" : {
        "self" : {
          "href" : "http://localhost:8082/products/2"
        },
        "product" : {
          "href" : "http://localhost:8082/products/2"
        }
      }
    }, {
      "id" : 3,
      "name" : "Samsung Galaxy S21",
      "price" : 1288.0,
      "quantity" : 112.0,
      "_links" : {
        "self" : {
          "href" : "http://localhost:8082/products/3"
        },
        "product" : {
          "href" : "http://localhost:8082/products/3"
        }
      }
```


ajouter Produit (frontend)

```
saveProduct(){
  this.product=new Product();
  this.product.name    =this.productFormGroup.value.name    ;
  this.product.price   =this.productFormGroup.value.price   ;
  this.product.quantity=this.productFormGroup.value.quantity;
  this.save();
}

save() {
  this.productService.createProduct(this.product)
    .subscribe({
      next: (data)=>{
        Swal.fire(
          'Product Added Successfully!',
          'You clicked the button!',
          'success'
        )
        this.ngOnInit();
      },
      error: (err)=>{
        console.log(err)
      }
    });
  this.product = new Product();
}
```

Supprimer produit

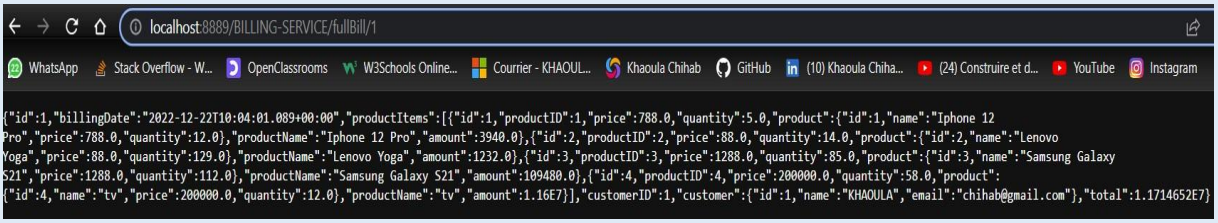
```
deleteProduct(id: number) {
  this.productService.deleteProduct(id)
  .subscribe({
    next: (data)=>{
      Swal.fire(
        'Product Removed !',
        'You clicked the button!',
        'success'
      )
      this.ngOnInit();
    },
    error: (err)=>{
      console.log(err)
    }
  });
}
```

Backend (ajouter supprimer produit)

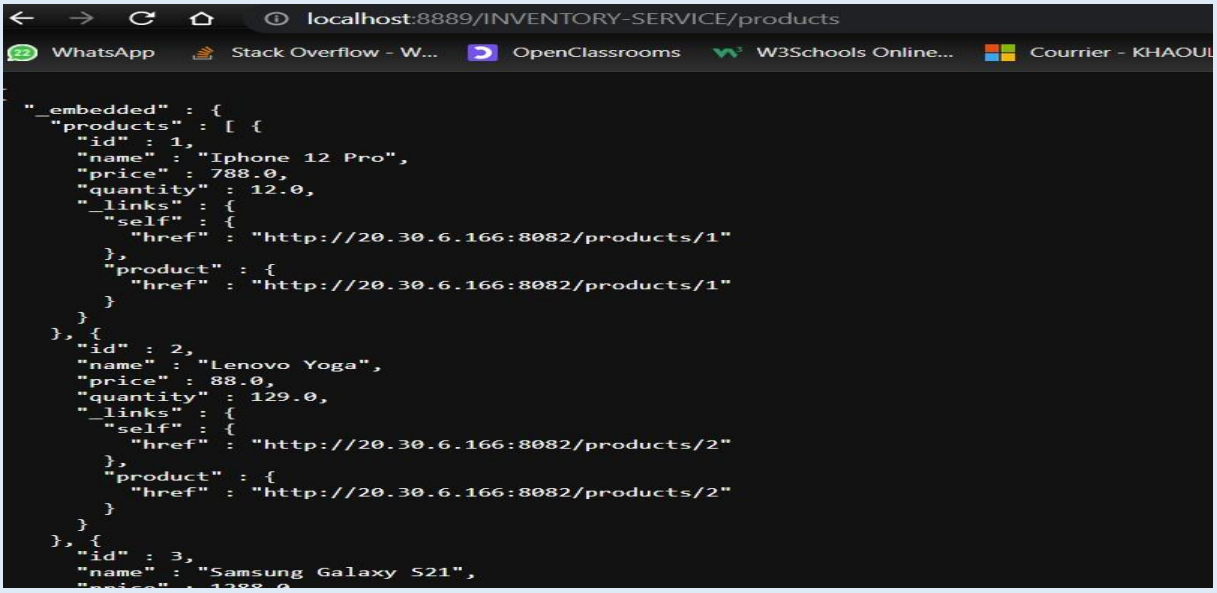
```java
khaoulachihab
@RestController
public class ProductController {
    2 usages
    @Autowired
    private ProductService service;

    khaoulachihab
    @PostMapping("/addproduct")
    public void add(@RequestBody Product p) { service.addProduct(p); }

    khaoulachihab
    @DeleteMapping("/deleteproduct/{id}")
    public String deleteLivre(@PathVariable int id) { return service.deleteProduct(id); }

}
```

Gateway Spring cloud Gateway : système de routage

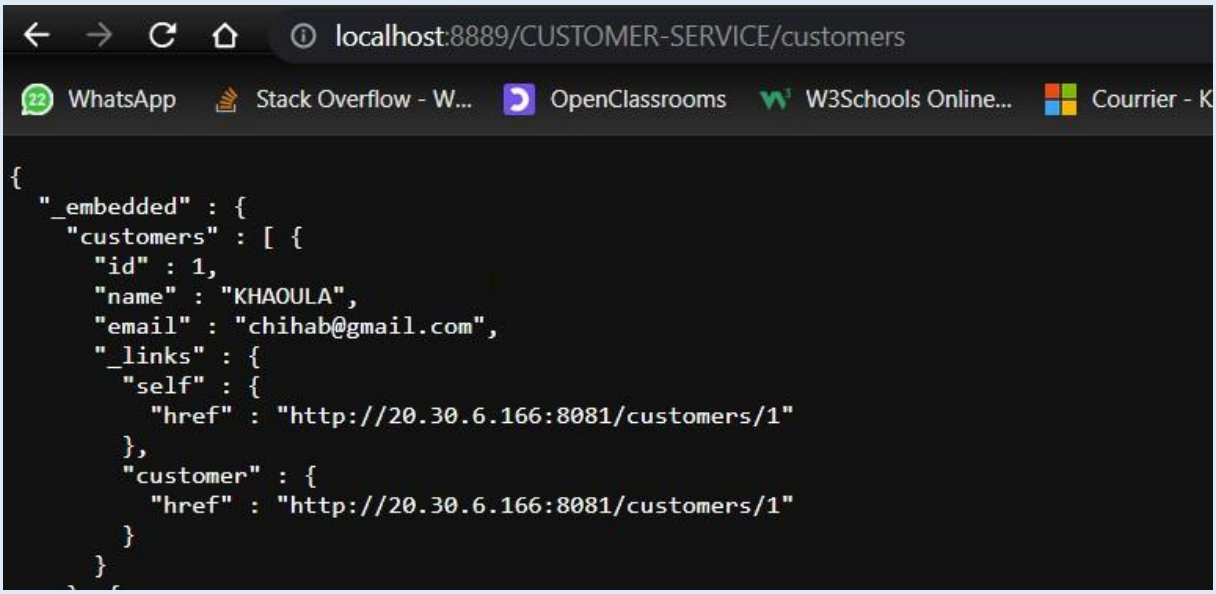
Cet url nous redirige vers le micro service **BILLING-SERVICE**



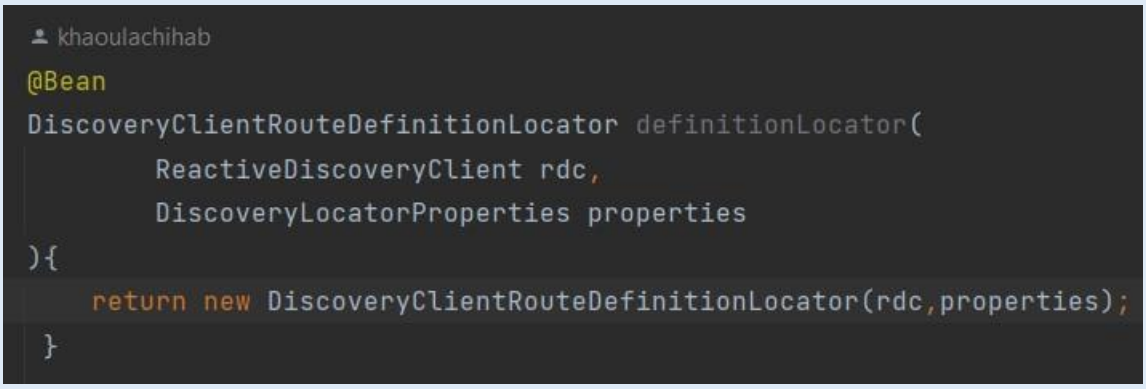
URL qui mene vers **INVENTORY-SERVICE :**



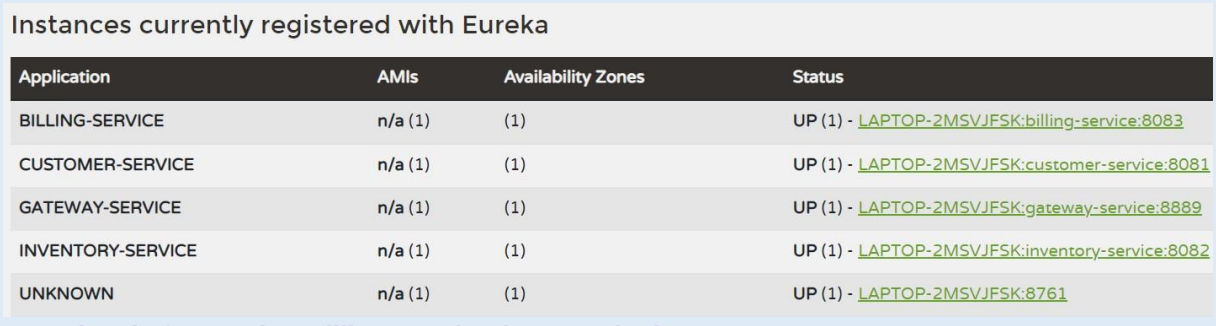
CUSTOMER-SERVICE



Ce Bean permet de dynamiser le routage avec le discover client

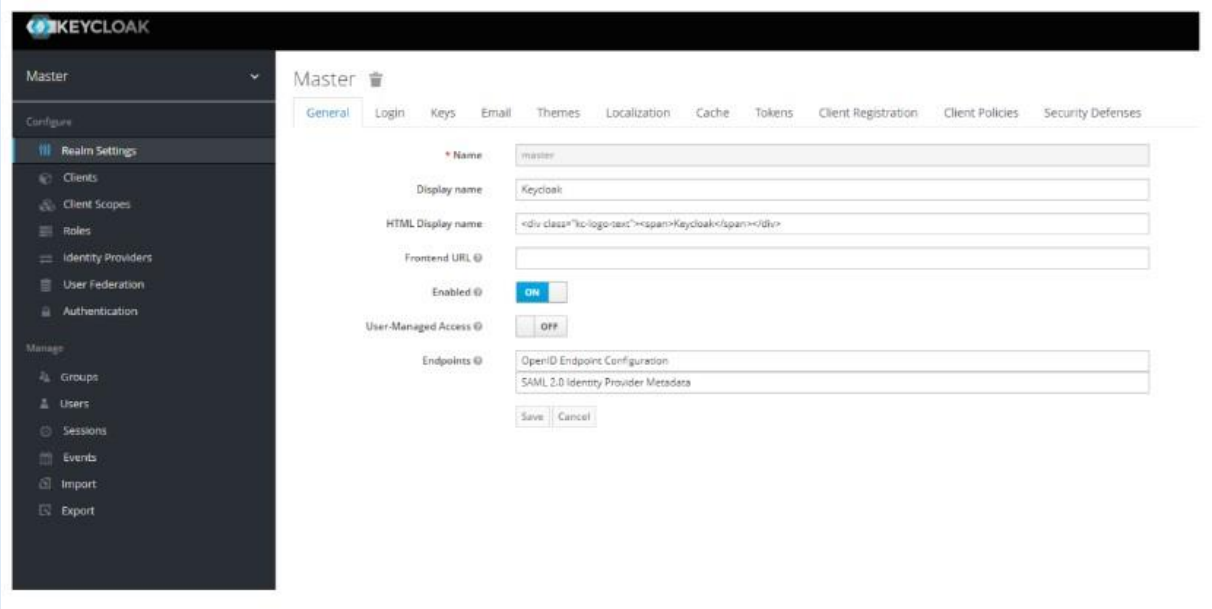


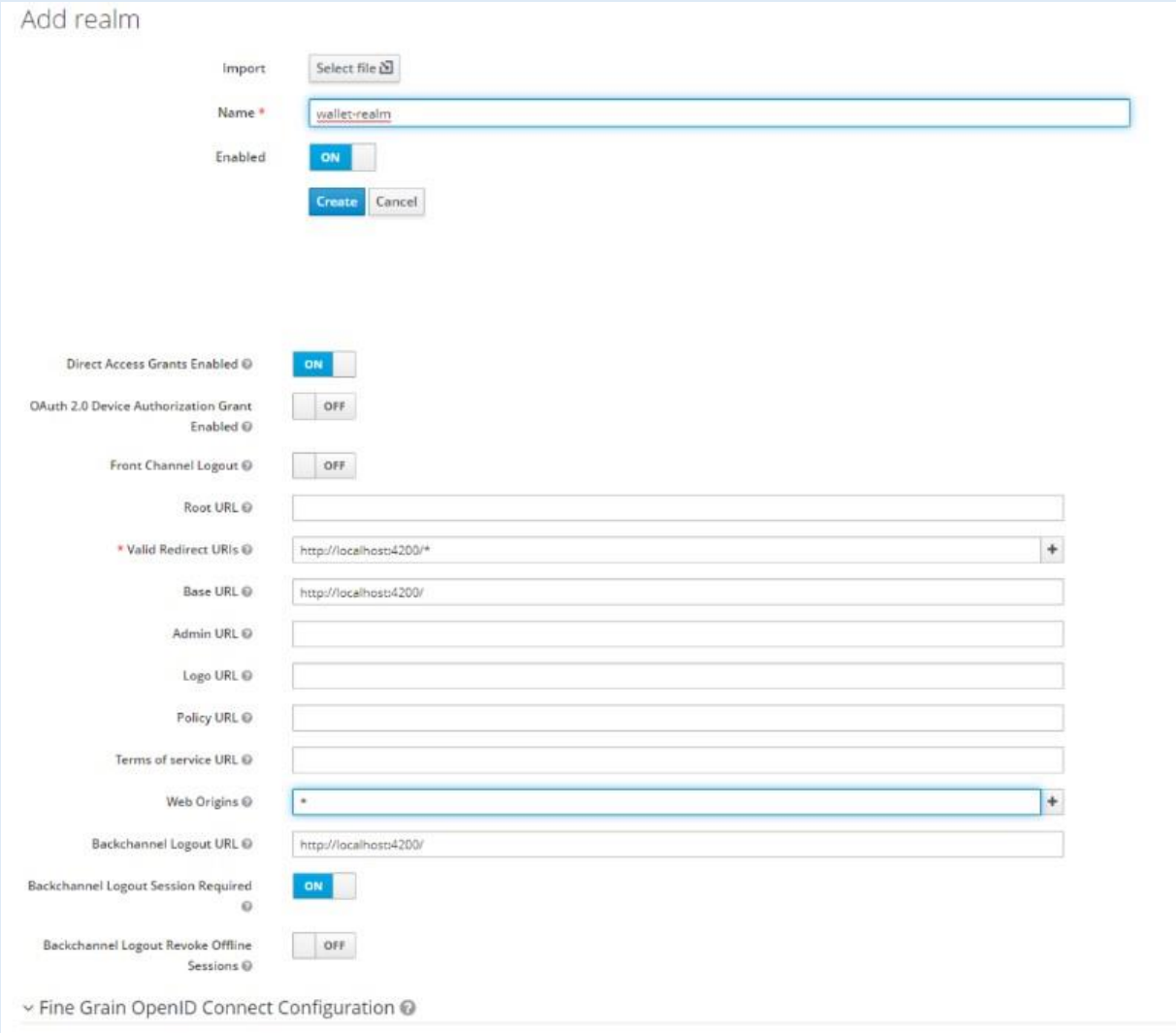
l'annuaire Eureka Discrovery Service :

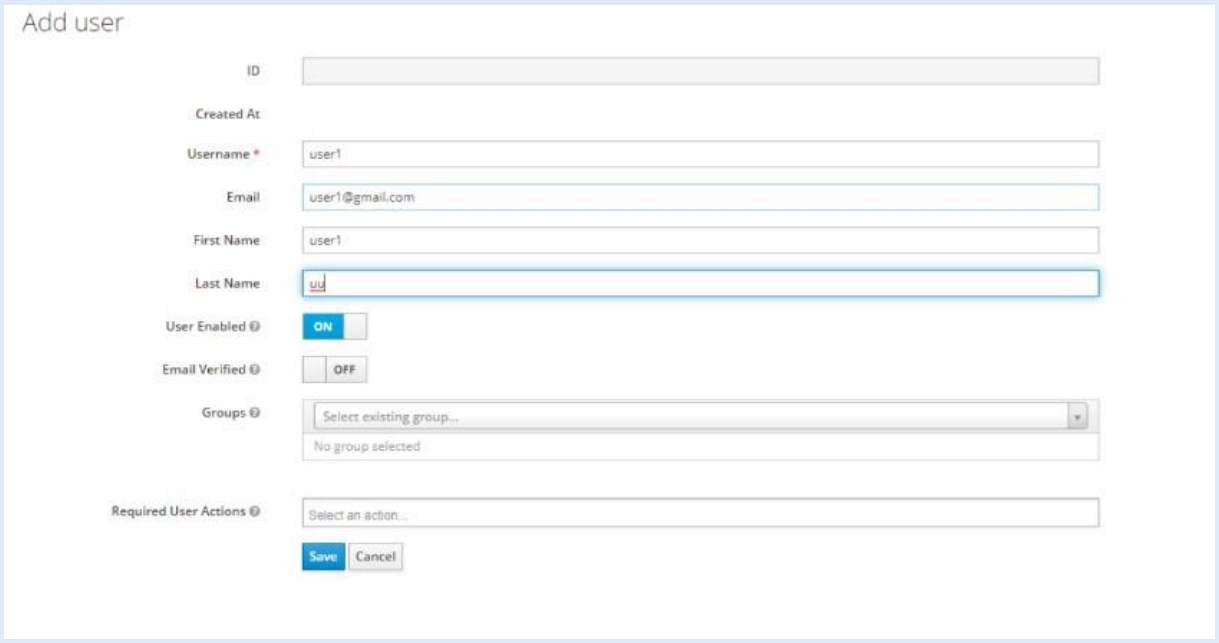


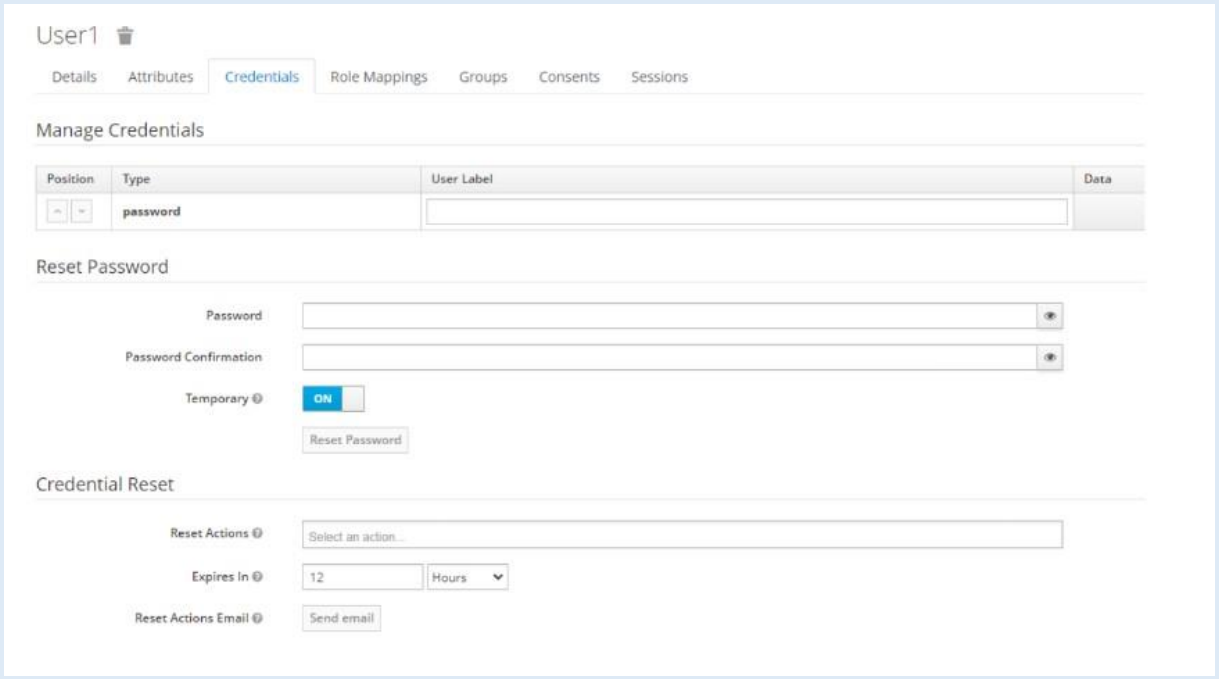
le service de facturation Billing-Service (Open Feign)

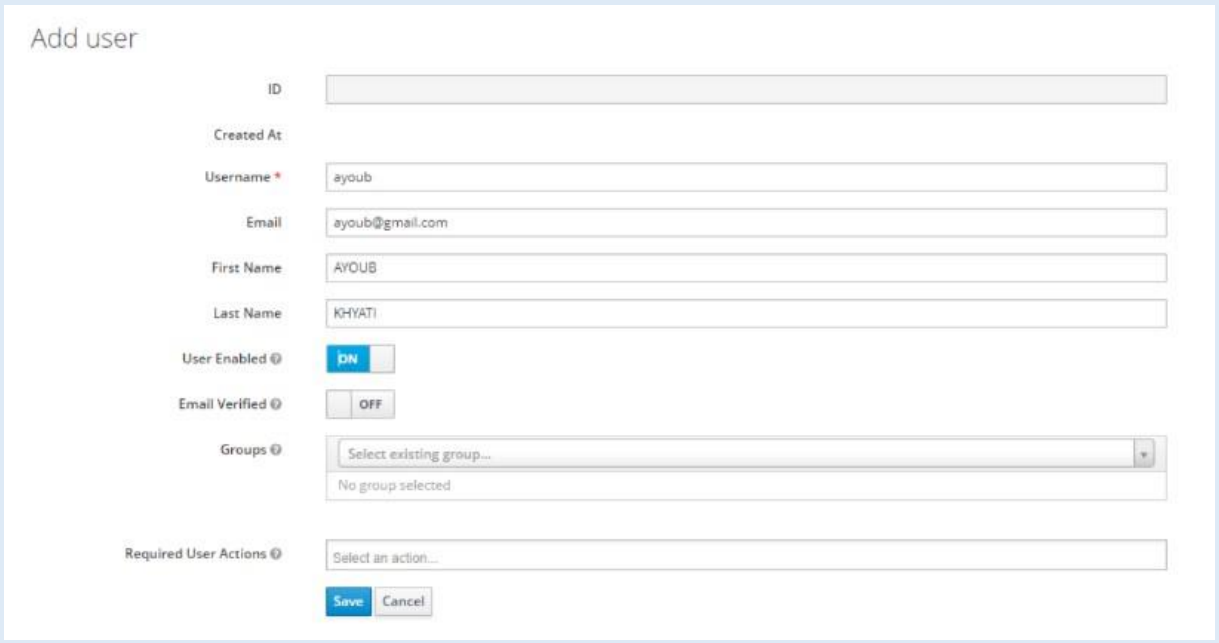
PARTIE KEYCLOACK

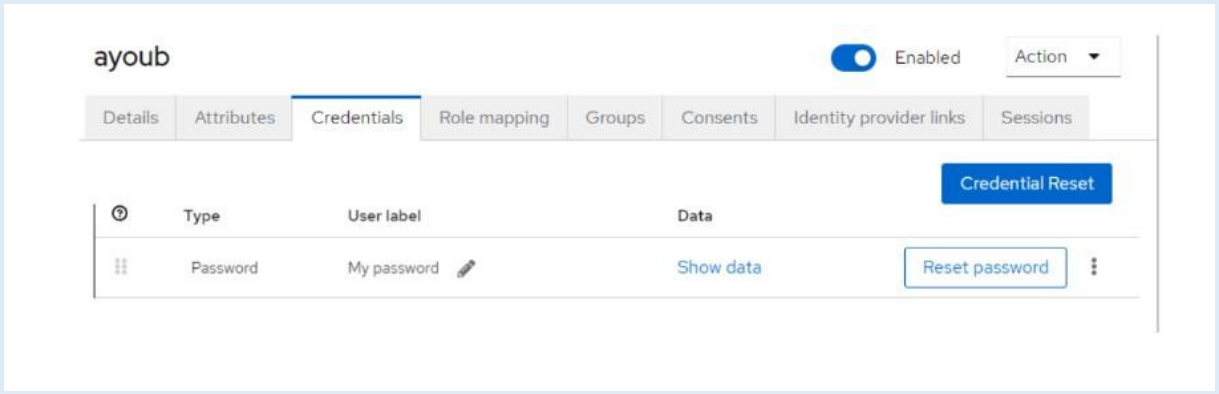


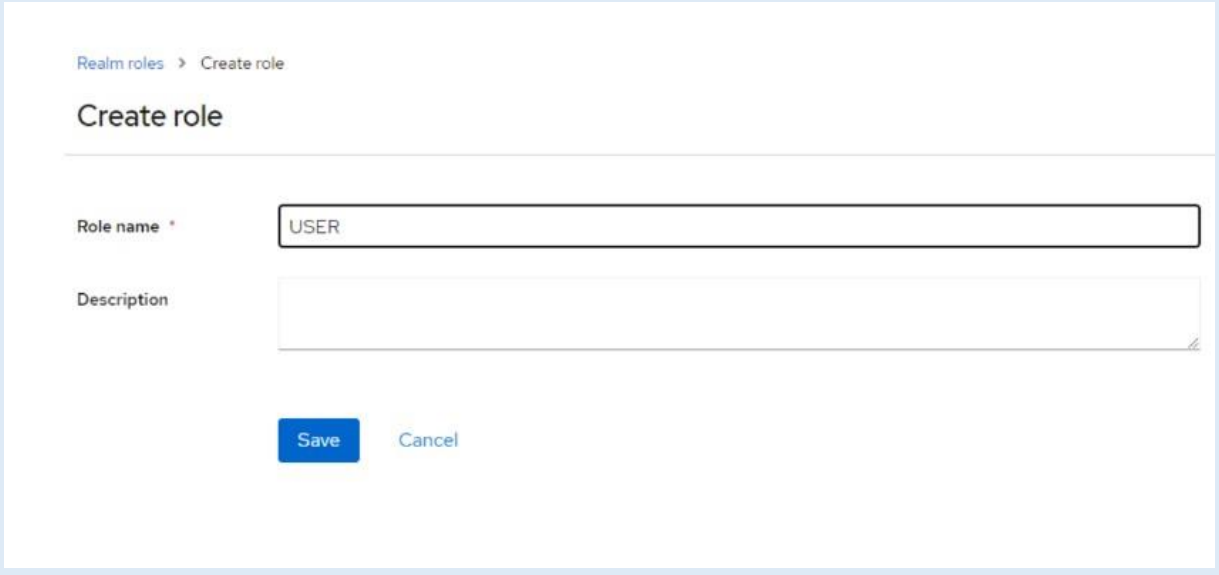


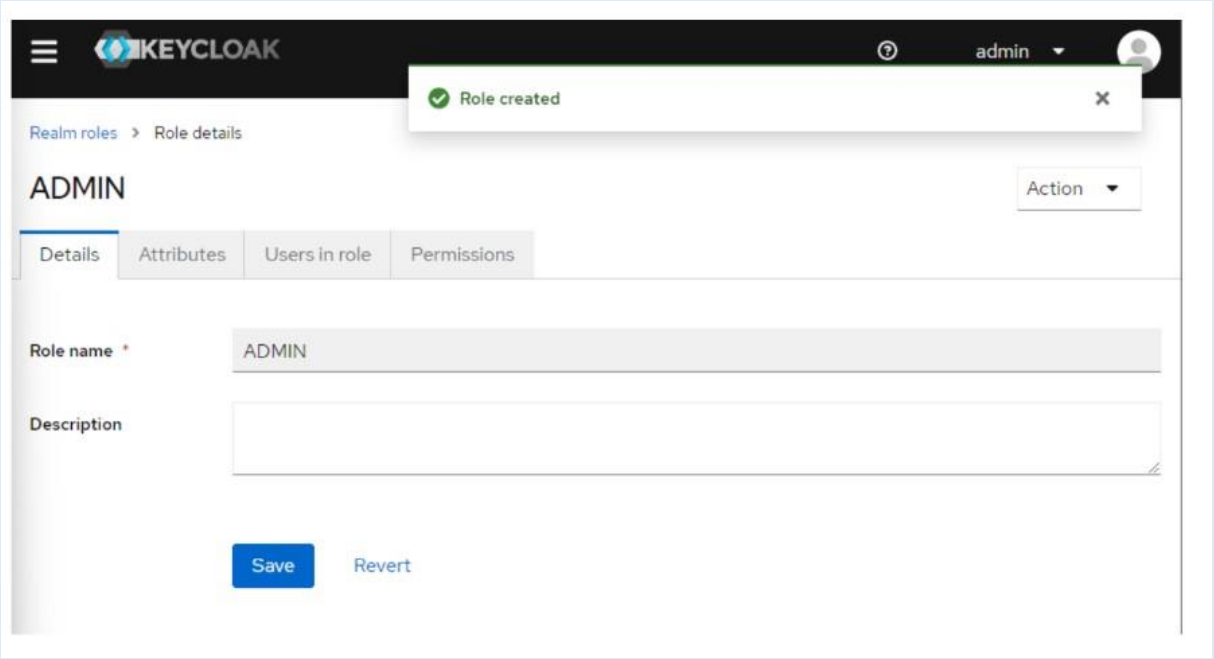

Add user
ID
Created At
Username *
user1
Email
user1@gmail.com
First Name
user1
Last Name
uu
User Enabled
ON
Email Verified
OFF
Groups
Select existing group...
No group selected
Required User Actions
Select an action...
Save
Cancel

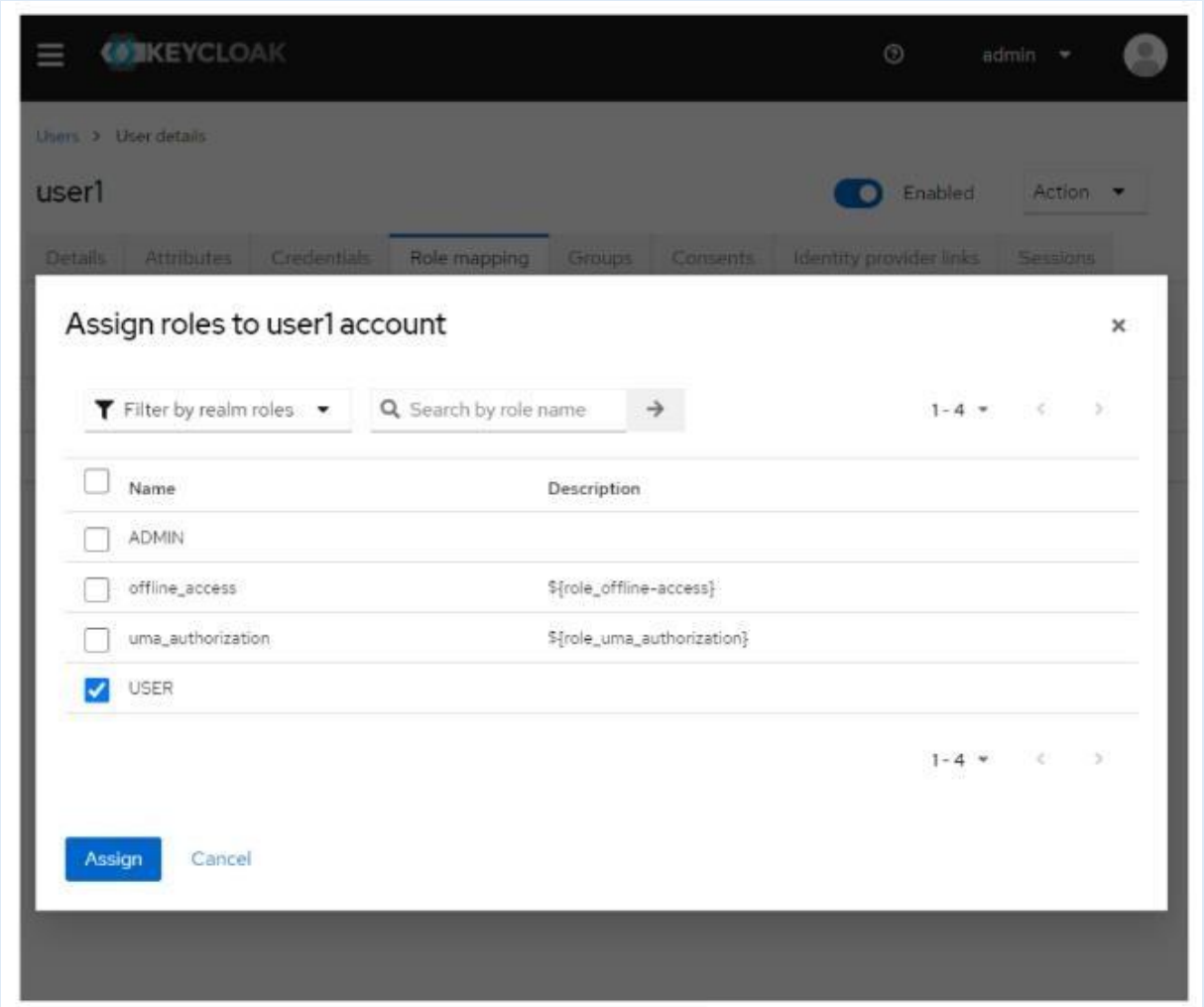

User1
Details
Attributes
Credentials
Role Mappings
Groups
Consents
Sessions
Manage Credentials
Position
Type
User Label
Data
password
Reset Password
Password
Password Confirmation
Temporary
ON
Reset Password
Credential Reset
Reset Actions
Select an action...
Expires In
12
Hours
Reset Actions Email
Send email

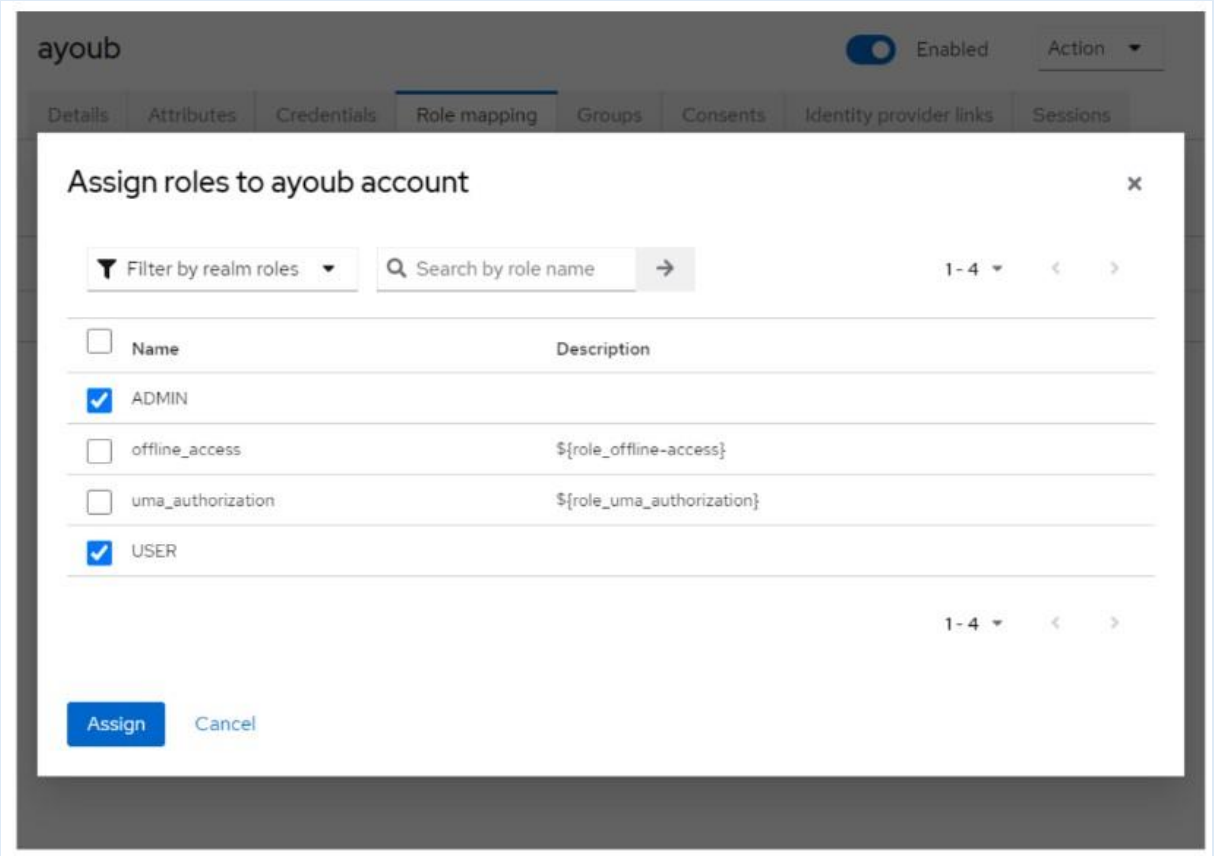

Add user
ID
Created At
Username *
ayoub
Email
ayoub@gmail.com
First Name
AYOUB
Last Name
KHYATI
User Enabled
ON
Email Verified
OFF
Groups
Select existing group...
No group selected
Required User Actions
Select an action...
Save
Cancel

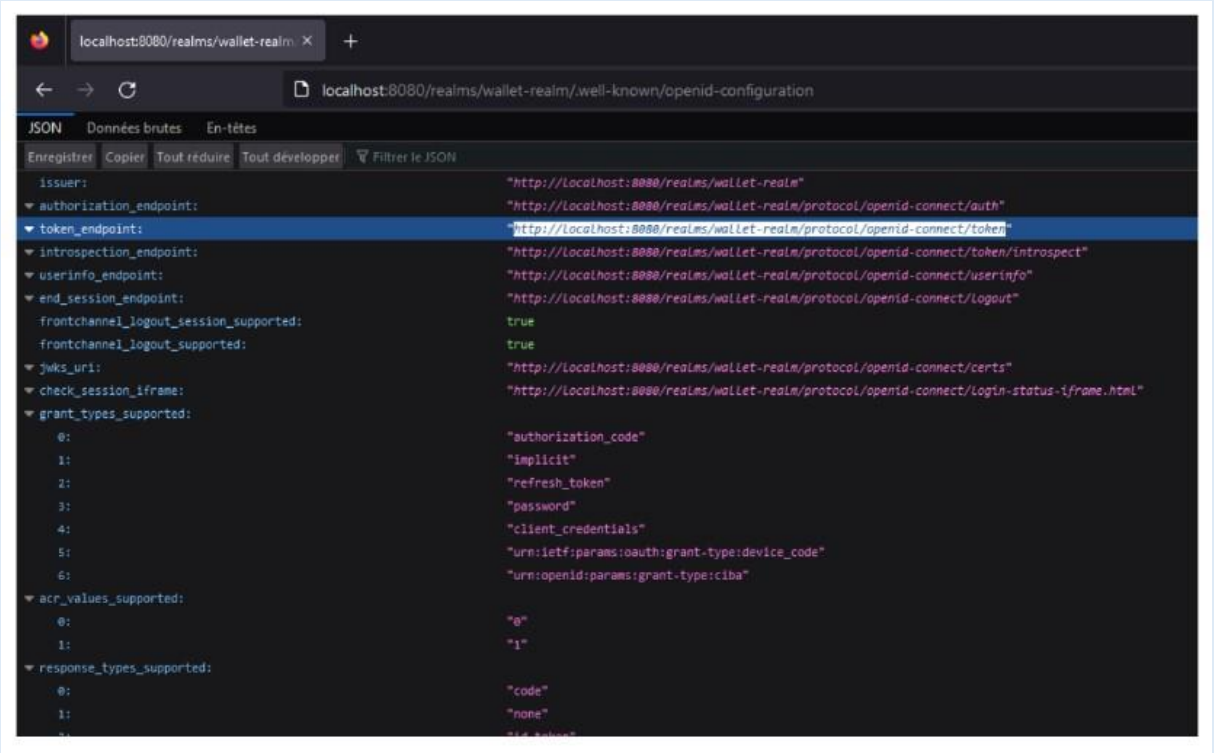

ayoub
Enabled
Action
Details
Attributes
Credentials
Role mapping
Groups
Consents
Identity provider links
Sessions
Credential Reset
Type
User label
Data
Password
My password
Show data
Reset password

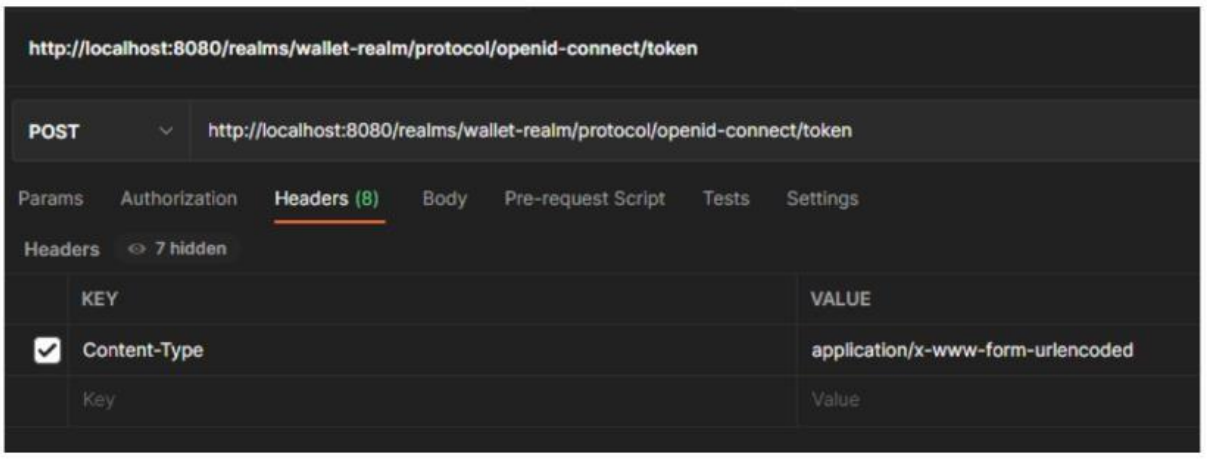

Realm roles
Create role
Create role
Role name *
USER
Description
Save
Cancel

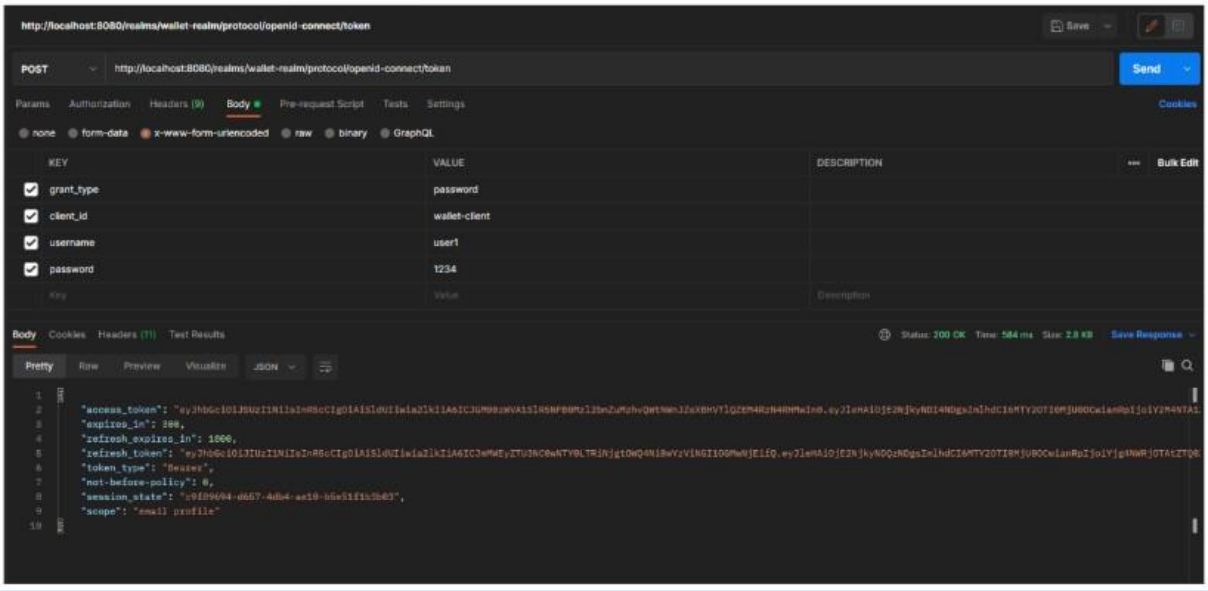

KEYCLOAK
admin
Role created
Realm roles > Role details
ADMIN
Action
Details
Attributes
Users in role
Permissions
Role name *
ADMIN
Description
Save
Revert

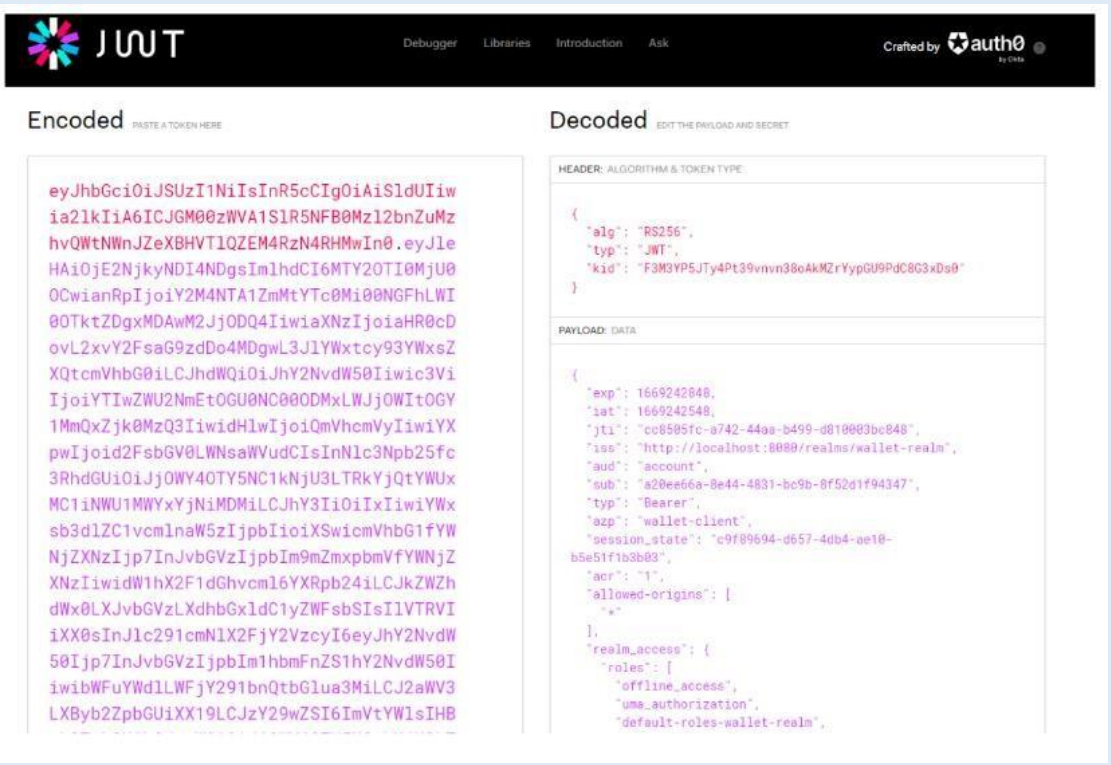

KEYCLOAK
admin
Users > User details
user1
Enabled
Action
Details
Attributes
Credentials
Role mapping
Groups
Consents
Identity provider links
Sessions
Assign roles to user1 account
Filter by realm roles
Search by role name
1 - 4
Name
Description
ADMIN
offline_access
${role_offline-access}
uma_authorization
${role_uma_authorization}
USER
1 - 4
Assign
Cancel


ayoub
Enabled
Action
Details
Attributes
Credentials
Role mapping
Groups
Consents
Identity provider links
Sessions
Assign roles to ayoub account
Filter by realm roles
Search by role name
1 - 4
Name
Description
ADMIN
offline_access
${role_offline-access}
uma_authorization
${role_uma_authorization}
USER
1 - 4
Assign
Cancel


localhost:8080/realms/wallet-realm
localhost:8080/realms/wallet-realm/.well-known/openid-configuration
JSON
Données brutes
En-têtes
Enregistrer
Copier
Tout réduire
Tout développer
Filtrer le JSON
issuer: "http://localhost:8080/realms/wallet-realm"
authorization_endpoint: "http://localhost:8080/realms/wallet-realm/protocol/openid-connect/auth"
token_endpoint: "http://localhost:8080/realms/wallet-realm/protocol/openid-connect/token"
introspection_endpoint: "http://localhost:8080/realms/wallet-realm/protocol/openid-connect/token/introspect"
userinfo_endpoint: "http://localhost:8080/realms/wallet-realm/protocol/openid-connect/userinfo"
end_session_endpoint: "http://localhost:8080/realms/wallet-realm/protocol/openid-connect/logout"
frontchannel_logout_session_supported: true
frontchannel_logout_supported: true
jwks_uri: "http://localhost:8080/realms/wallet-realm/protocol/openid-connect/certs"
check_session_iframe: "http://localhost:8080/realms/wallet-realm/protocol/openid-connect/login-status-iframe.html"
grant_types_supported:
0: "authorization_code"
1: "implicit"
2: "refresh_token"
3: "password"
4: "client_credentials"
5: "urn:ietf:params:oauth:grant-type:device_code"
6: "urn:openid:params:grant-type:ciba"
acr_values_supported:
0: "0"
1: "1"
response_types_supported:
0: "code"
1: "none"

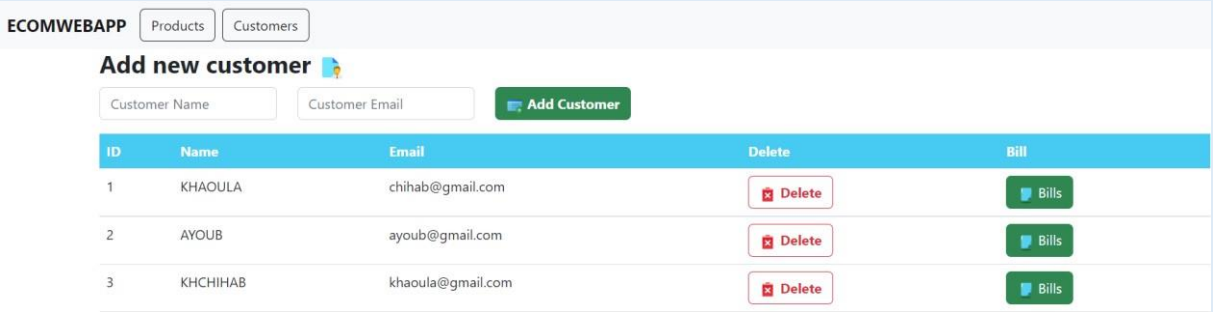

http://localhost:8080/realms/wallet-realm/protocol/openid-connect/token
POST
http://localhost:8080/realms/wallet-realm/protocol/openid-connect/token
Params
Authorization
Headers (8)
Body
Pre-request Script
Tests
Settings
Headers
7 hidden
KEY
VALUE
Content-Type
application/x-www-form-urlencoded
Key
Value

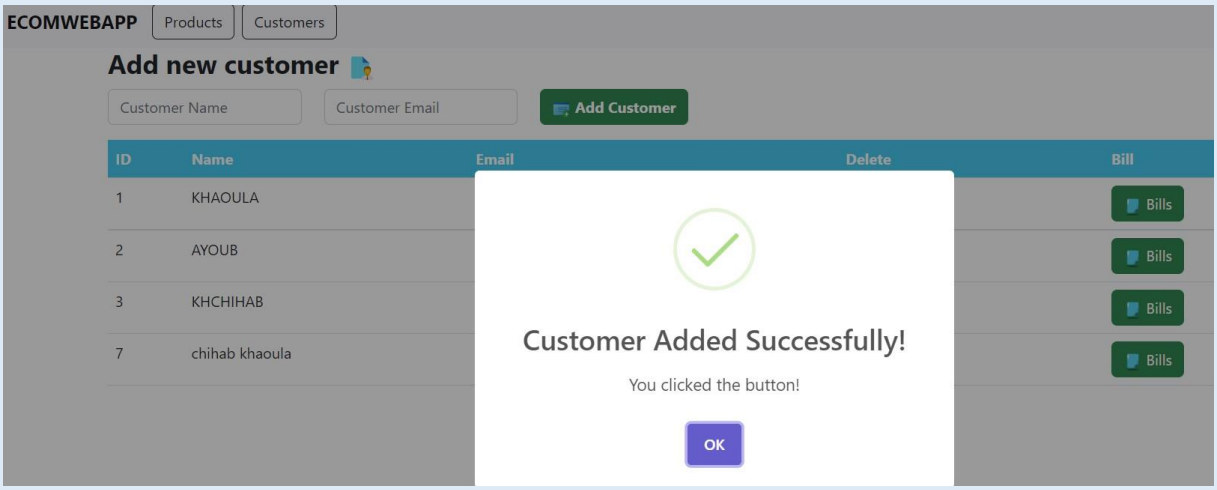

http://localhost:8080/realms/wallet-realm/protocol/openid-connect/token
Save
POST
http://localhost:8080/realms/wallet-realm/protocol/openid-connect/token
Send
Params
Authorization
Headers (9)
Body
Pre-request Script
Tests
Settings
Cookies
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
KEY
VALUE
DESCRIPTION
Bulk Edit
grant_type
password
client_id
wallet-client
username
user1
password
1234
Body
Cookies
Headers (11)
Test Results
Status: 200 OK
Time: 584 ms
Size: 2.8 KB
Save Response
Pretty
Raw
Preview
Visualize
JSON
"access_token":
"expires_in": 300,
"refresh_expires_in": 1800,
"refresh_token":
"token_type": "Bearer",
"not-before-policy": 0,
"session_state": "c9f89694-d657-4db4-ae10-b5e51f1b3b03",
"scope": "email profile"


JWT
Debugger
Libraries
Introduction
Ask
Crafted by auth0
Encoded
PASTE A TOKEN HERE
eyJhbGciOiJSUzI1NiIsInR5cCIgOiAiSldUIiw
ia2lkIiA6ICJGM00zWVA1SlR5NFB0Mzl2bnZuMz
hvQWtNWnJZeXBHVTlQZEM4RzN4RHMwIn0.eyJle
HAiOjE2NjkyNDI4NDgsImlhdCI6MTY2OTI0MjU0
OCwianRpIjoiY2M4NTA1ZmMtYTc0Mi00NGFhLWI
0OTktZDgxMDAwM2JjODQ4IiwiaXNzIjoiaHR0cD
ovL2xvY2FsaG9zdDo4MDgwL3JlYWxtcy93YWxsZ
XQtcmVhbG0iLCJhdWQiOiJhY2NvdW50Iiwic3Vi
IjoiYTIwZWU2NmEtOGU0NC00ODMxLWJjOWItOGY
1MmQxZjk0MzQ3IiwidHlwIjoiQmVhcmVyIiwiYX
pwIjoid2FsbGV0LWNsaWVudCIsInNlc3Npb25fc
3RhdGUiOiJjOWY4OTY5NC1kNjU3LTRkYjQtYWUx
MC1iNWU1MWYxYjNiMDMiLCJhY3IiOiIxIiwiYWx
sb3dlZC1vcmlnaW5zIjpbIioiXSwicmVhbG1fYW
NjZXNzIjp7InJvbGVzIjpbIm9mZmxpbmVfYWNjZ
XNzIiwidW1hX2F1dGhvcml6YXRpb24iLCJkZWZh
dWx0LXJvbGVzLXdhbGxldC1yZWFsbSIsIlVTRVI
iXX0sInJlc291cmNlX2FjY2VzcyI6eyJhY2NvdW
50Ijp7InJvbGVzIjpbIm1hbmFnZS1hY2NvdW50I
iwibWFuYWdlLWFjY291bnQtbGlua3MiLCJ2aWV3
LXByb2ZpbGUiXX19LCJzY29wZSI6ImVtYWlsIHB
Decoded
EDIT THE PAYLOAD AND SECRET
HEADER: ALGORITHM & TOKEN TYPE
{
"alg": "RS256",
"typ": "JWT",
"kid": "F3M3YP5JTy4Pt39vnvn38oAkMZrYypGU9PdC8G3xDs0"
}
PAYLOAD: DATA
{
"exp": 1669242848,
"iat": 1669242548,
"jti": "cc8505fc-a742-44aa-b499-d810003bc848",
"iss": "http://localhost:8080/realms/wallet-realm",
"aud": "account",
"sub": "a20ee66a-8e44-4831-bc9b-8f52d1f94347",
"typ": "Bearer",
"azp": "wallet-client",
"session_state": "c9f89694-d657-4db4-ae10-
b5e51f1b3b03",
"acr": "1",
"allowed-origins": [
"*"
],
"realm_access": {
"roles": [
"offline_access",
"uma_authorization",
"default-roles-wallet-realm",

un client Web Angular

Clients

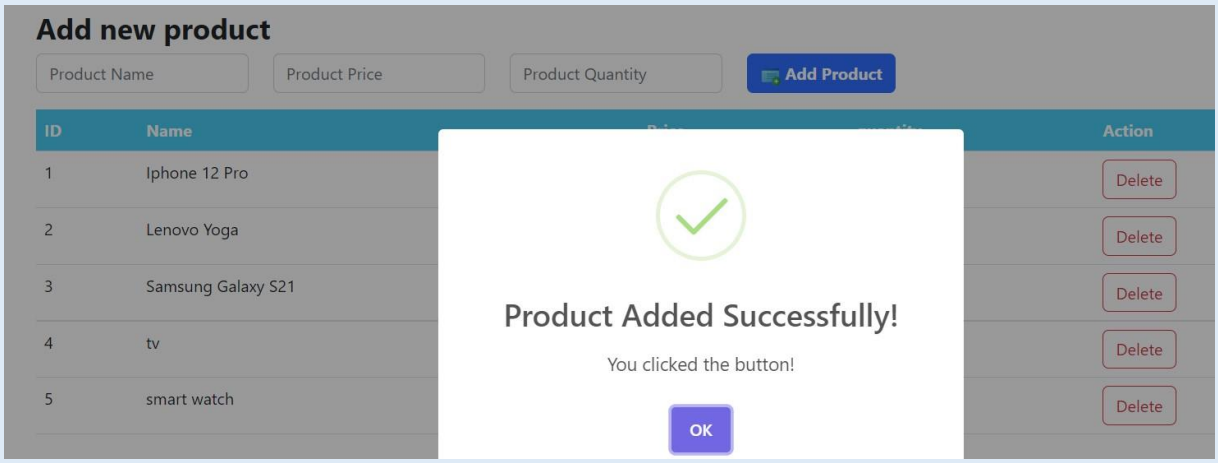




Produits

Add products

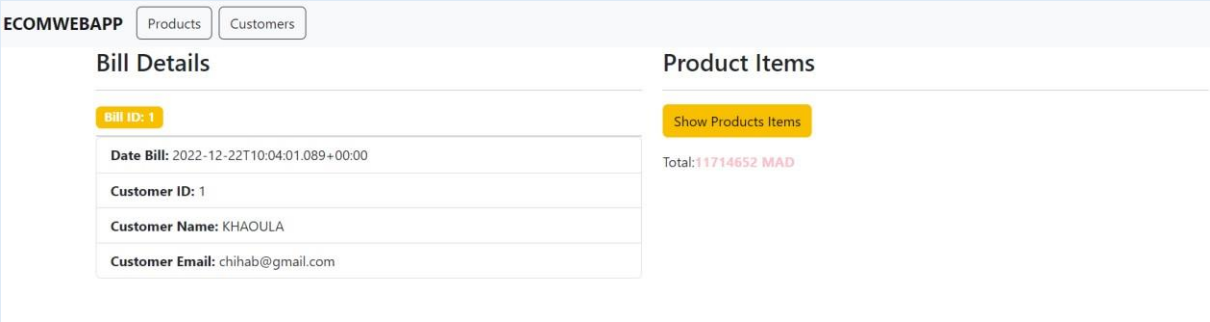
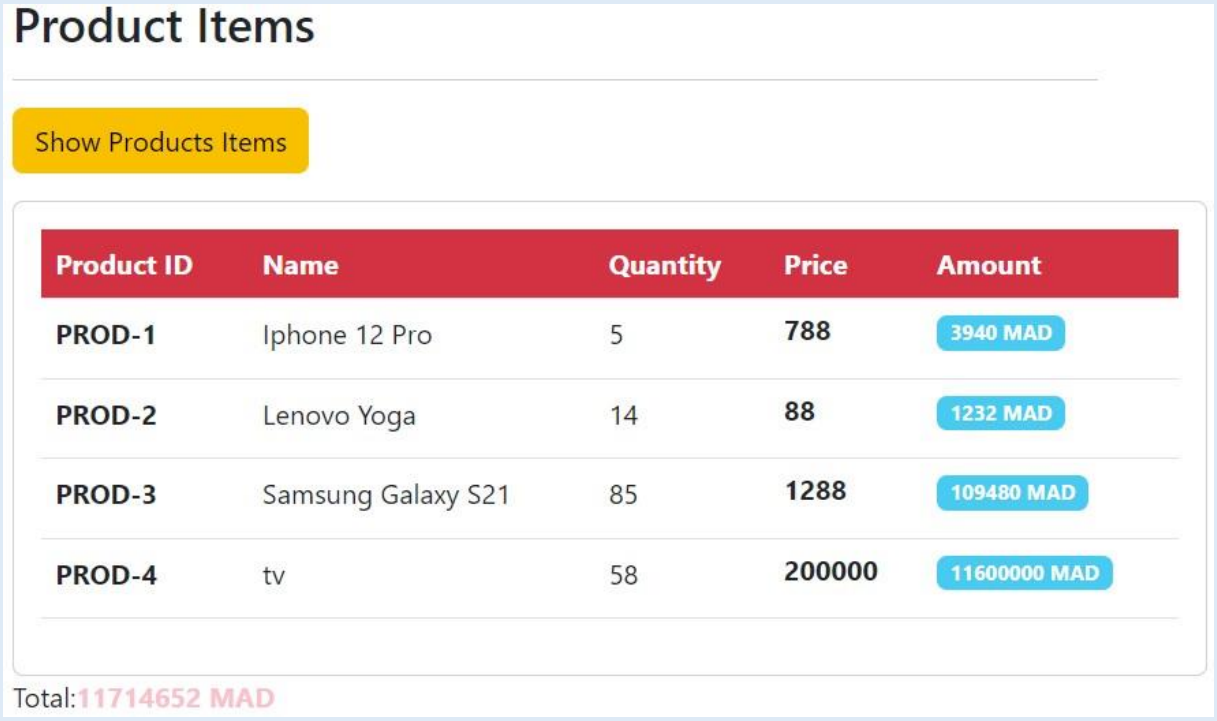
Un message d’alerte :le produit est ajouté avec succees



Factures

ID	Date	CustomerID	Action
1	22/12/2022	1	Bill Details

Bill details



Show products items