# Client Side

Modifier le contenu de



import React from 'react'

const page = () => {

  return (

    <div>

      <h1>APPLICATION</h1>

    </div>

  )

}

export default page

Créer sous /src/components/client le fichier Navabar.js en ajoutant le lien vers la page home



import Link from "next/link";

const NavBar = () => {

return (

<nav className="navbar navbar-expand-lg bg-light">

    <ul className="navbar-nav me-auto mb-2 mb-lg-0">

    <li className="nav-item">

        <Link className="nav-link" href={"/client"}>Home</Link>

    </li>

</ul>

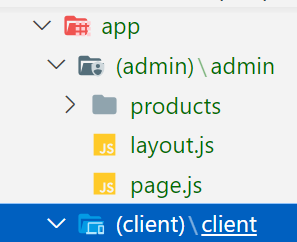
</nav>

);

};

export default NavBar;

Créer le dossier (client) dans le quel un dossier client sous /src/app.



Dans ce dossier créer page.js



import React from 'react'

const page = () => {

  return (

    <div>

      <h1>page client</h1>

    </div>

  )

}

export default page

Créer layout.js sous /src/app/(client)/client



import Navabar from '@/components/client/Navabar'

export default function ClientLayout({ children }) {

  return (

    <>

       <Navabar/>

        {children}

    </>

  )

}

<http://localhost:3000/client>

# Authentification User

## Package next-auth

Dans le projet next installer

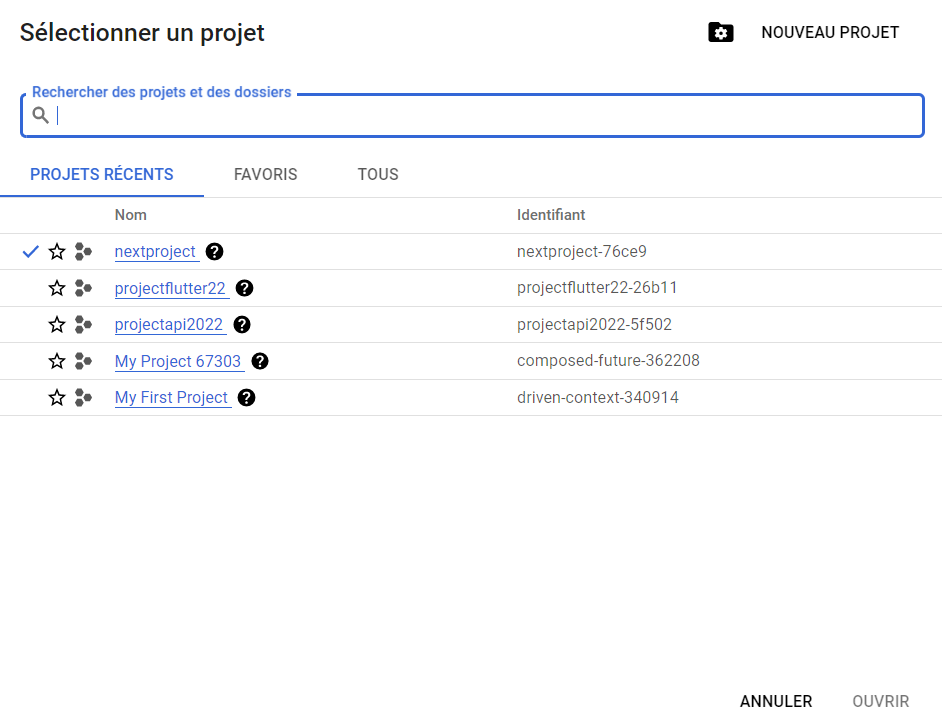
npm i next-auth

## Google Login

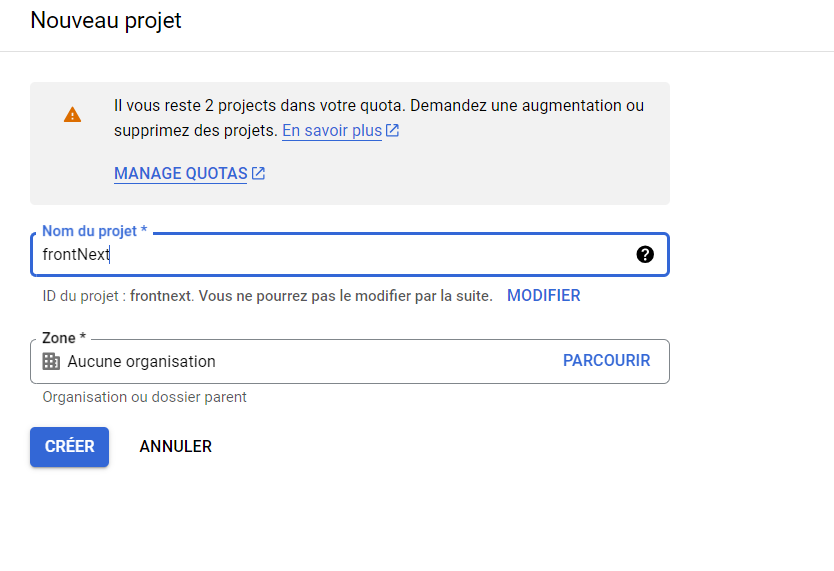
Aller au site :

<https://console.cloud.google.com/>

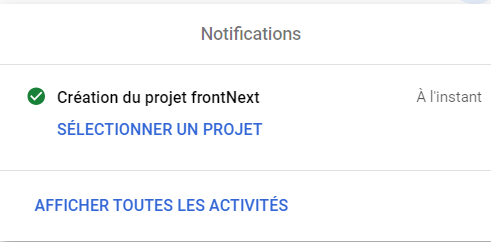




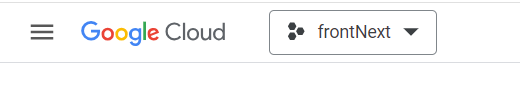




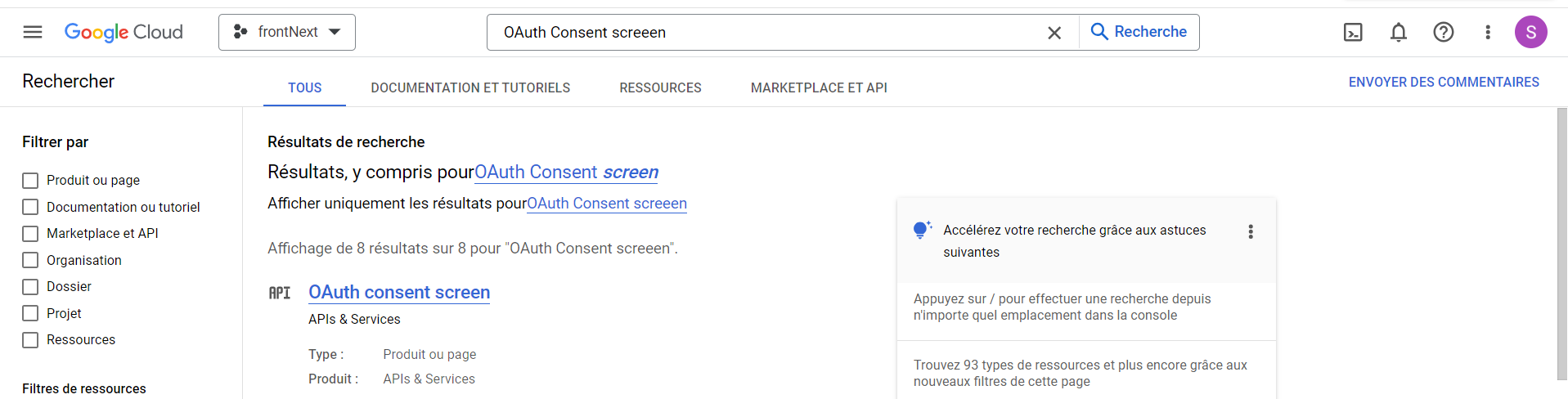


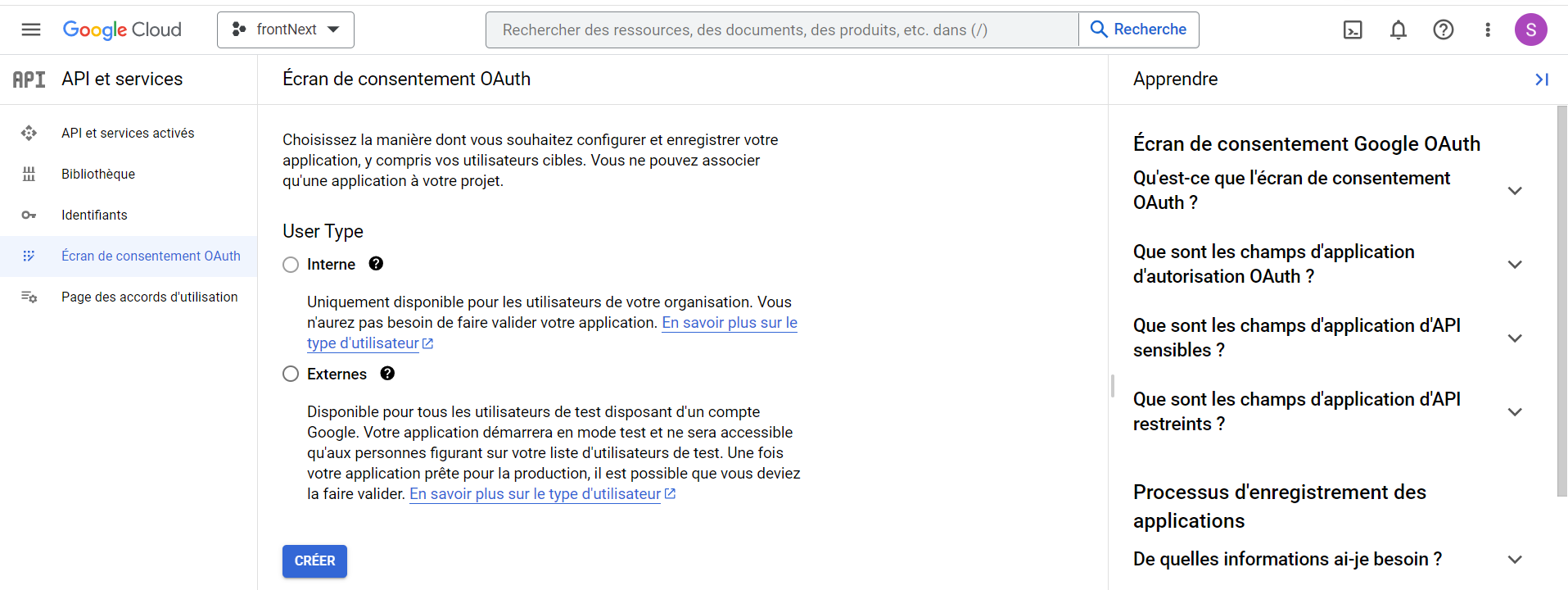


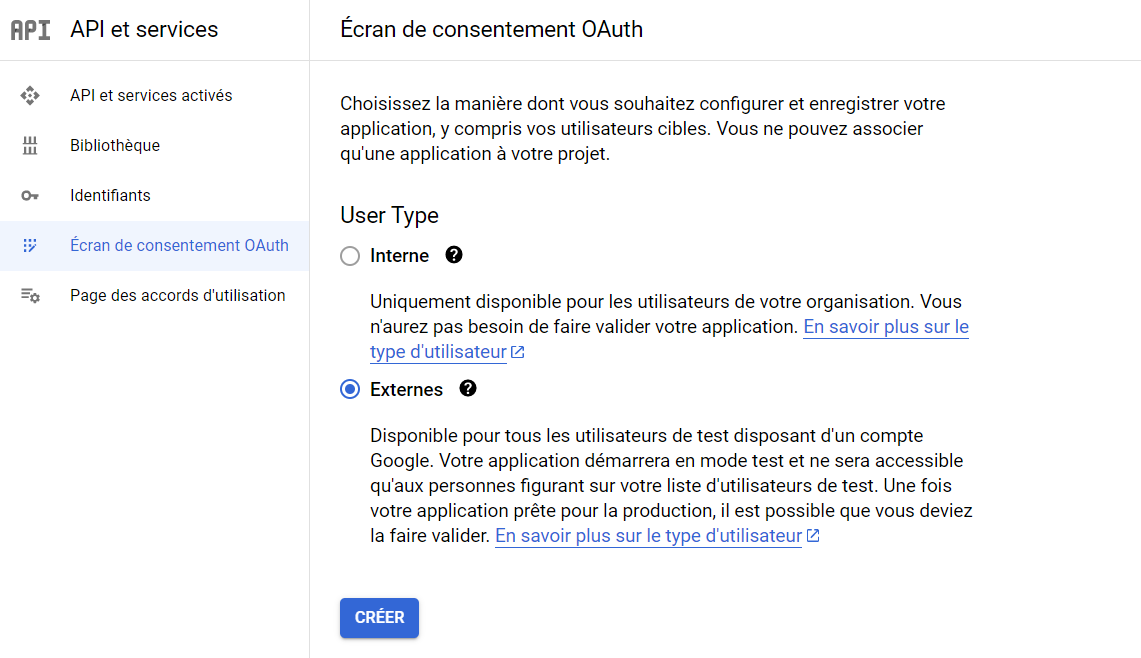


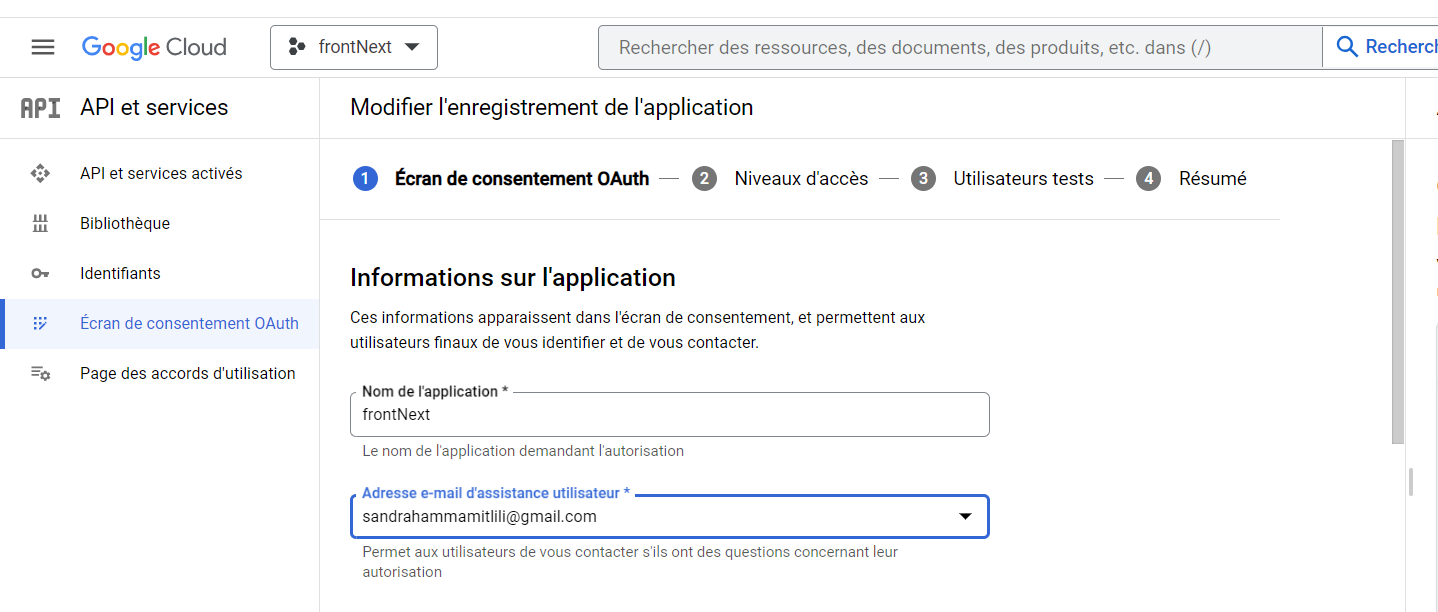


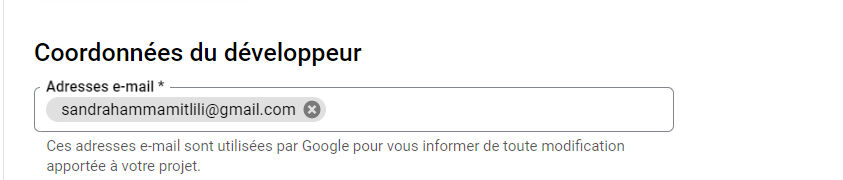




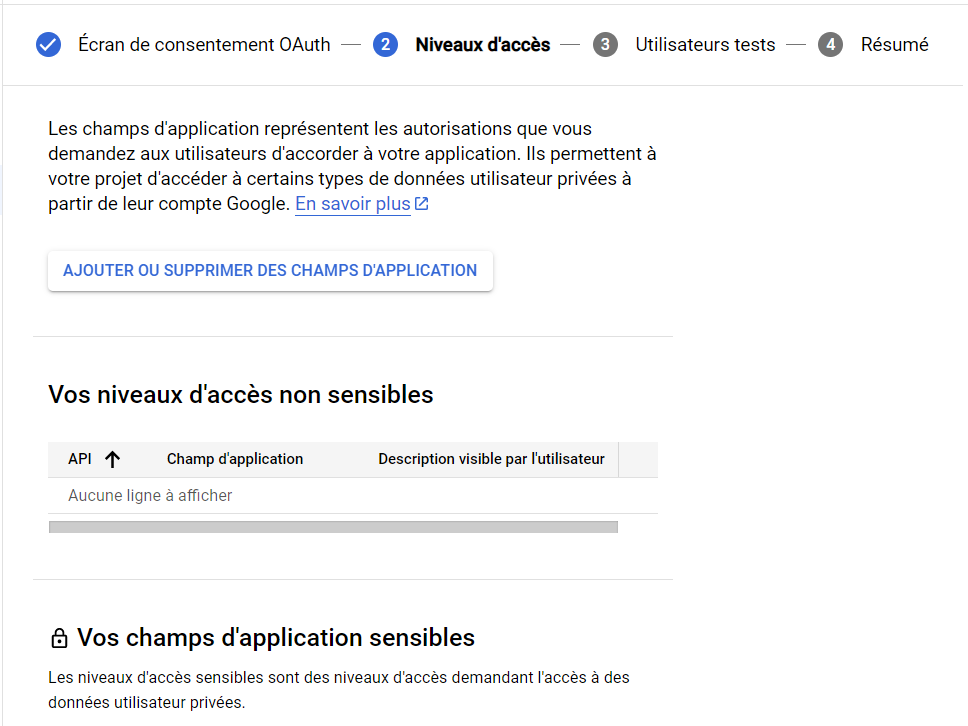


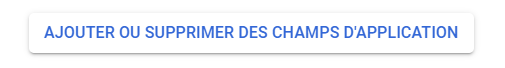


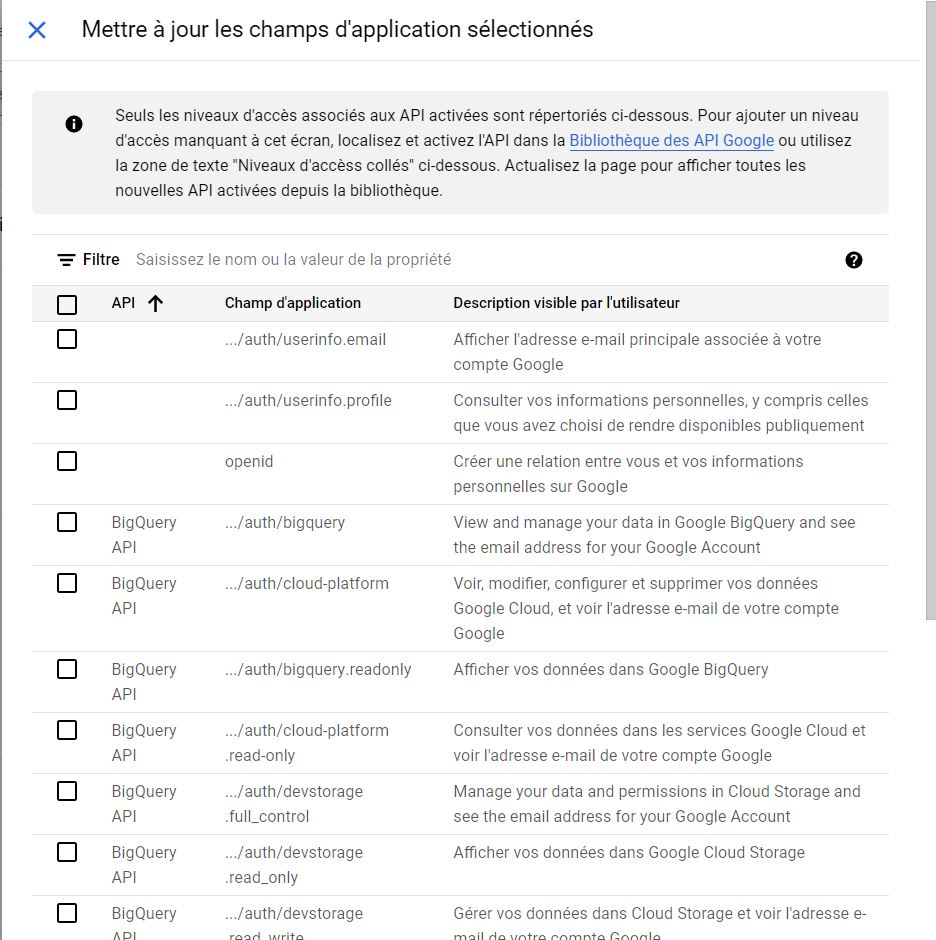


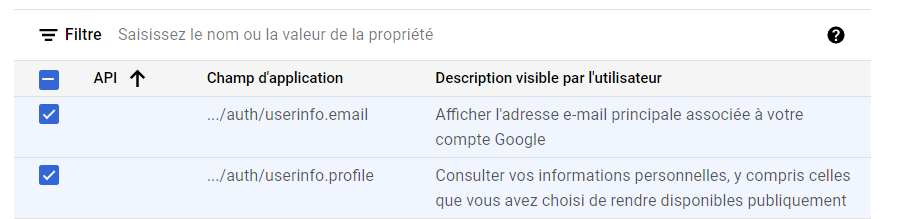


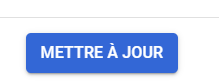


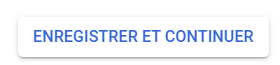


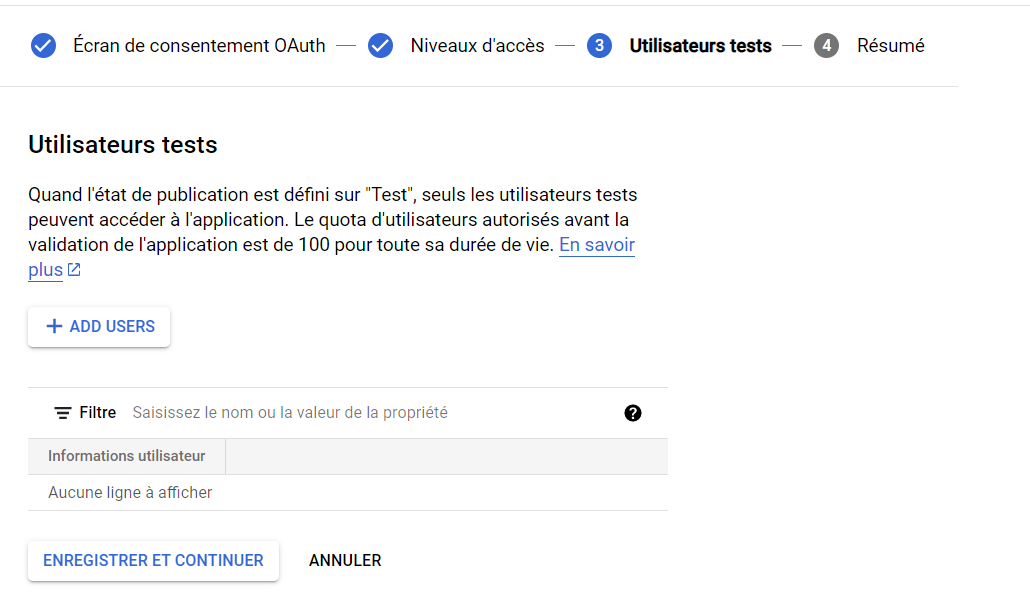


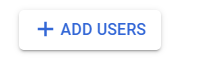


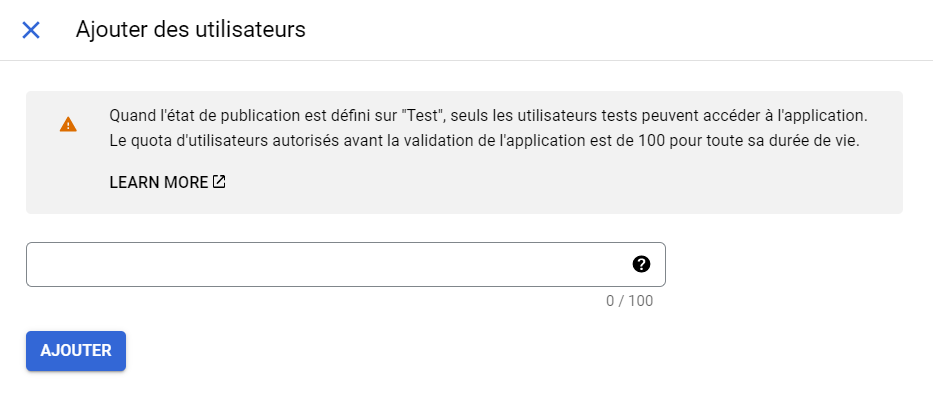








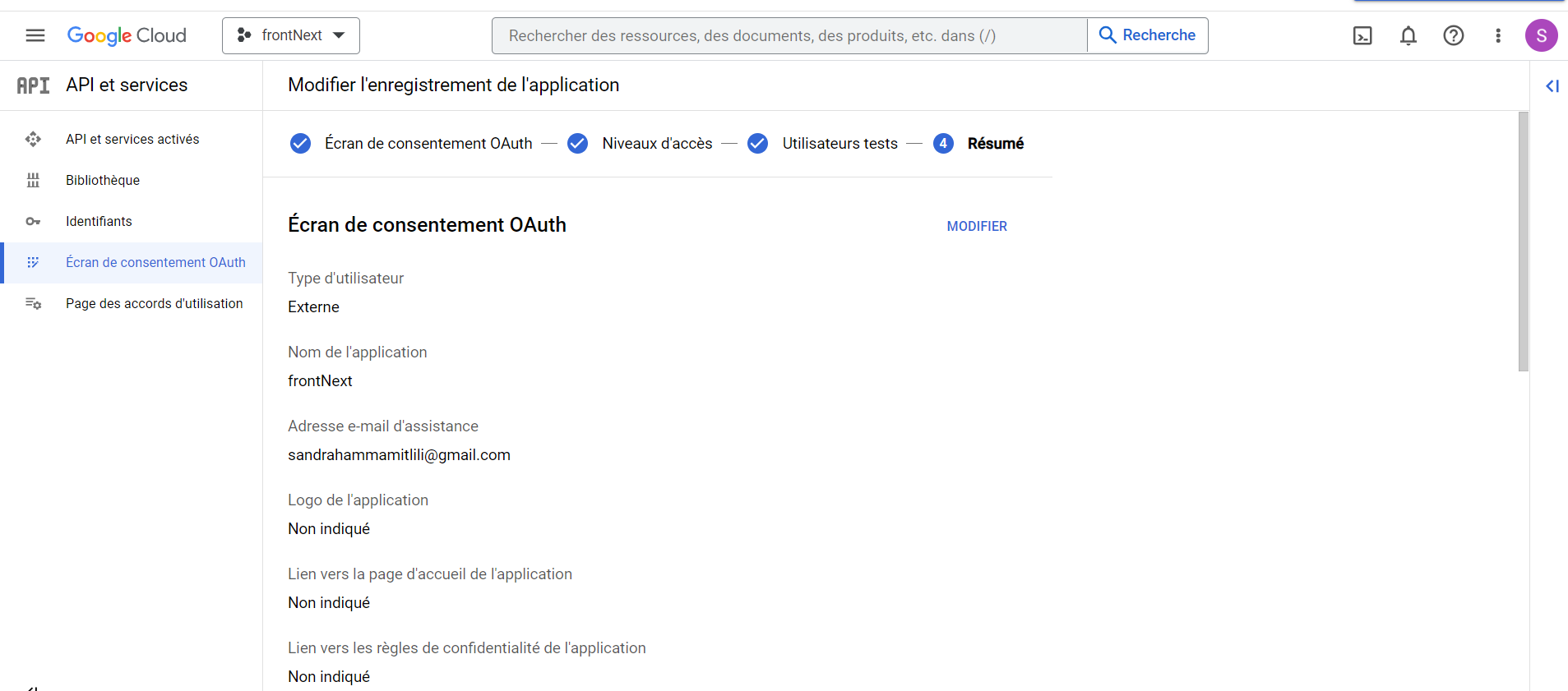


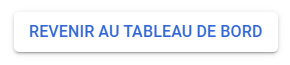


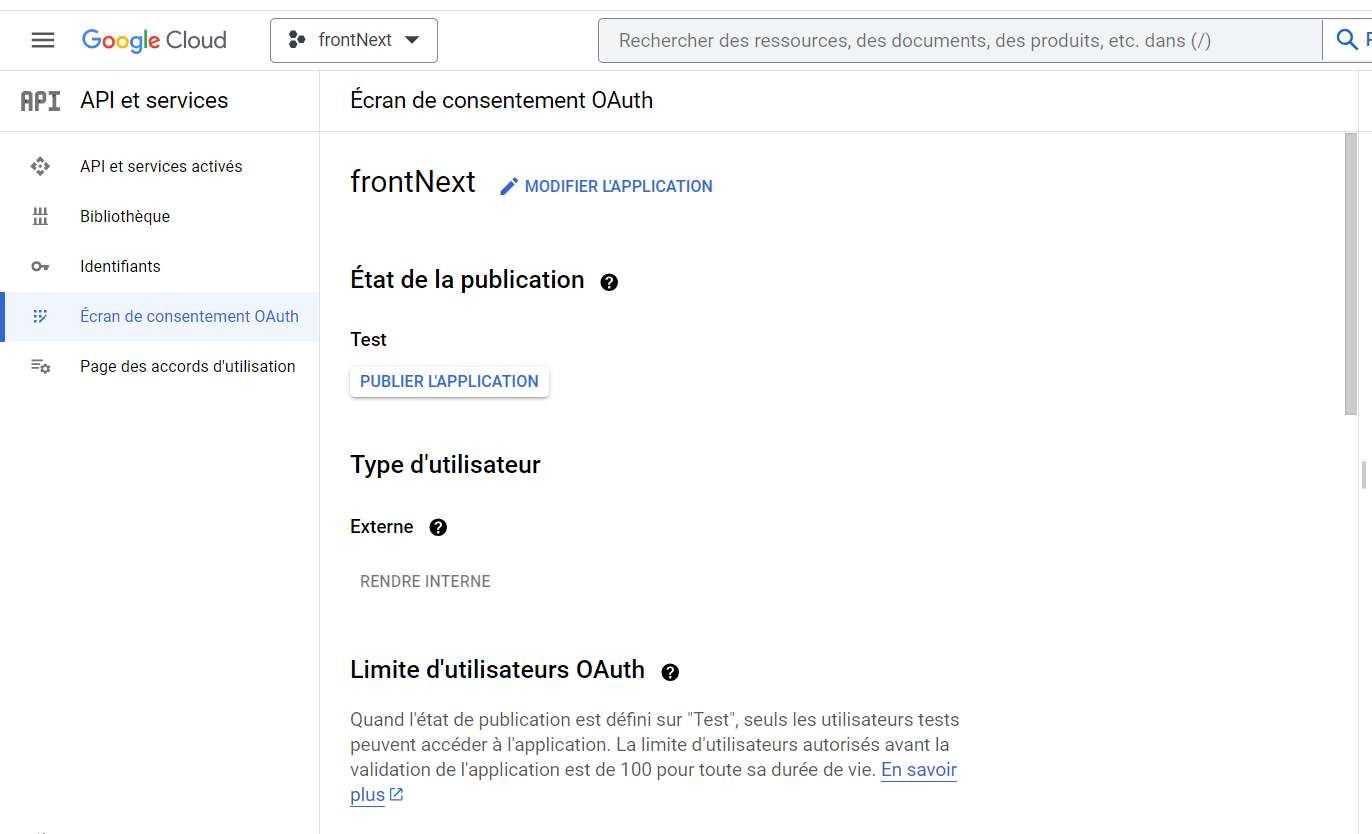




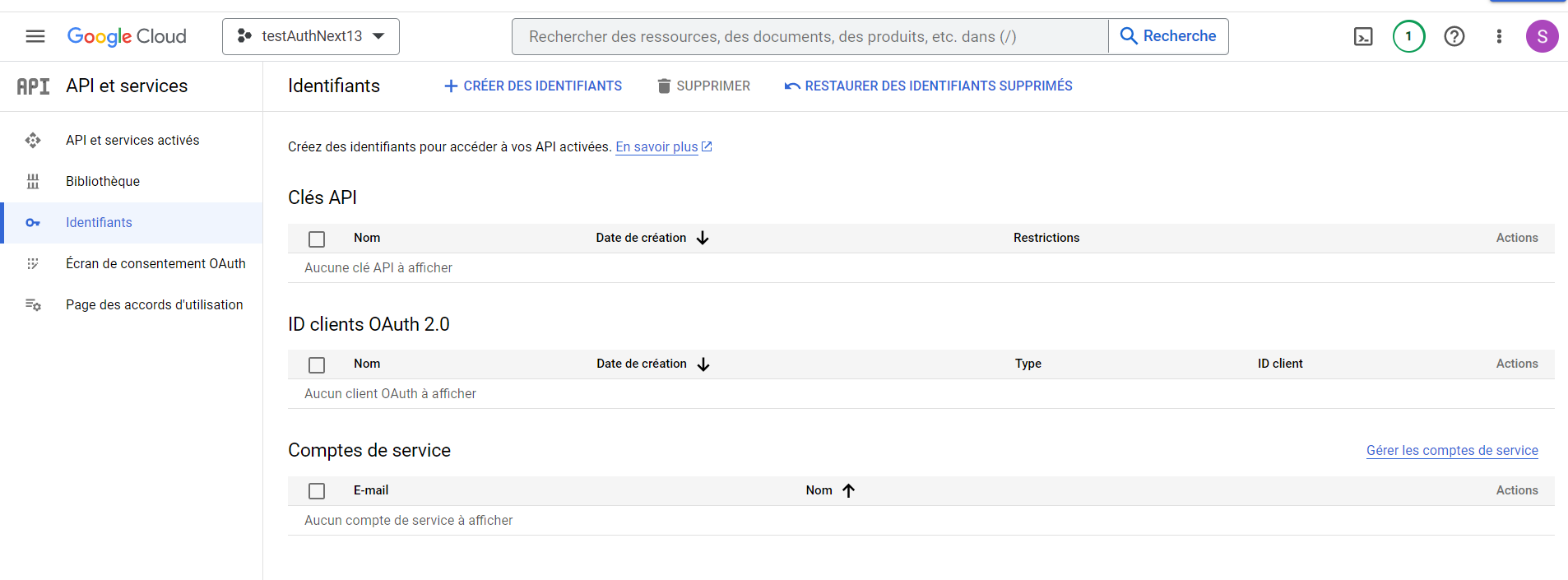




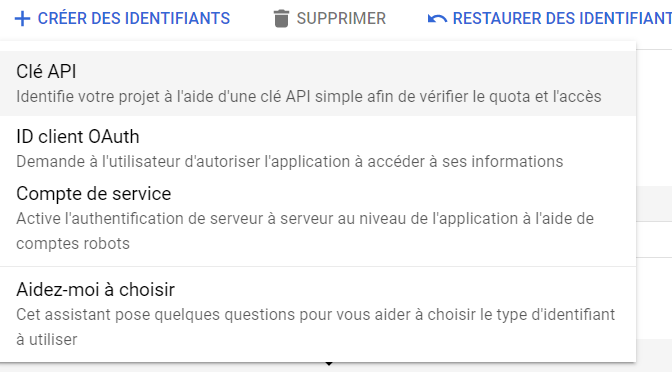




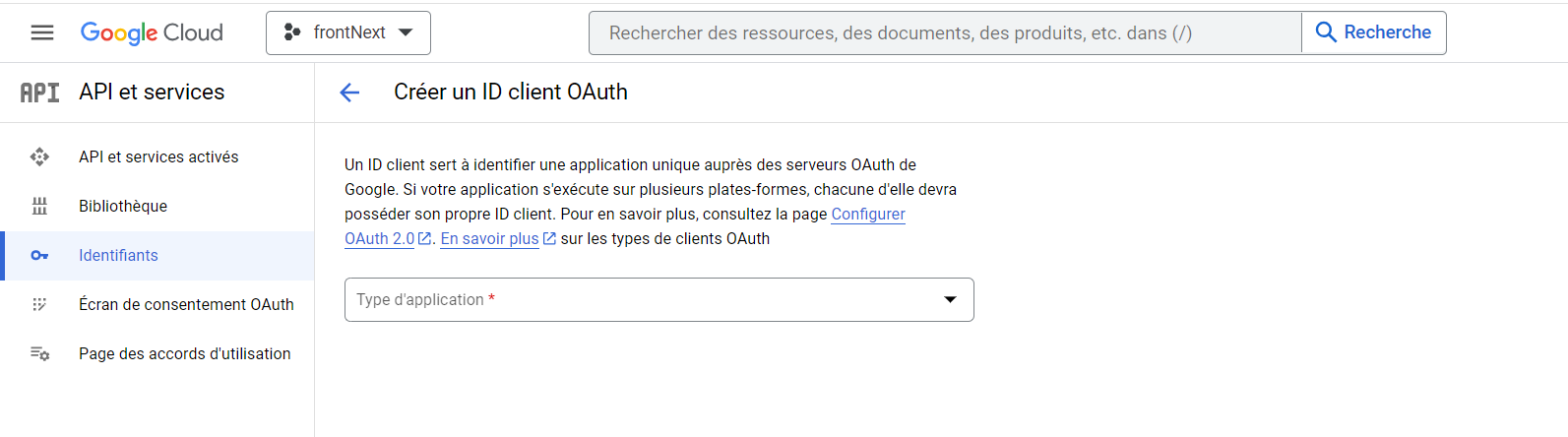




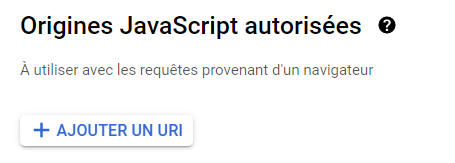


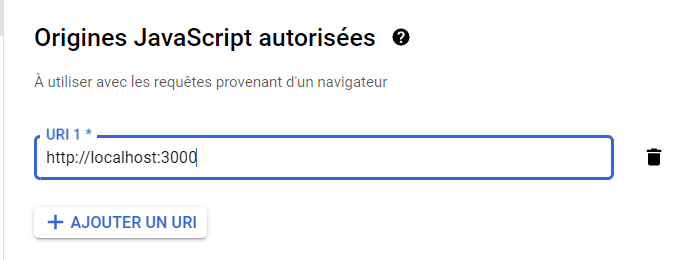






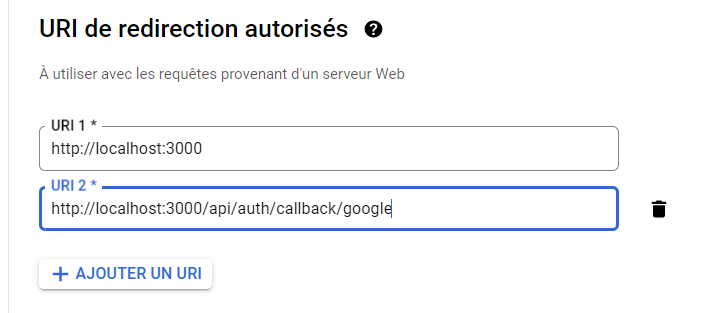




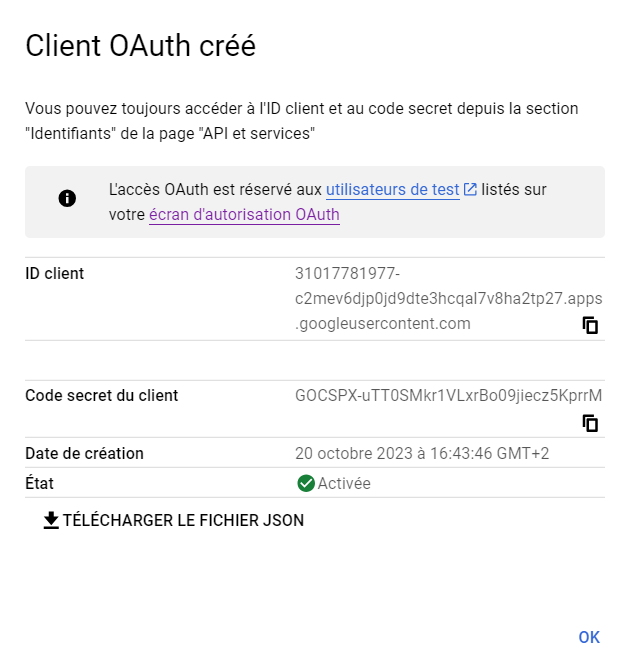










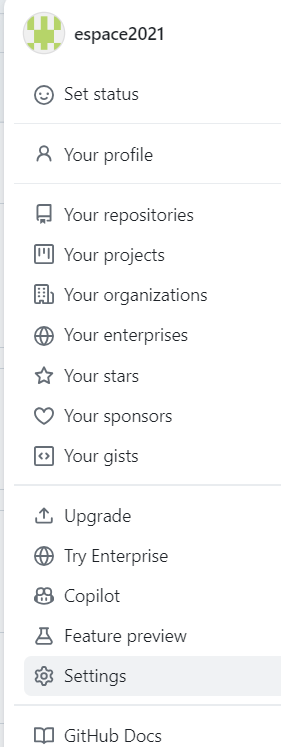


ID client : 31017781977-c2mev6djp0jd9dte3hcqal7v8ha2tp27.apps.googleusercontent.com

Code secret du client : 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

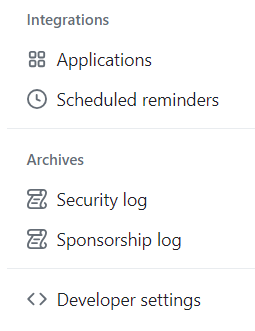
## GitHub Credentials

Connectez-vous à votre tableau de bord Github et cliquez sur l'image de profil dans le coin supérieur droit.

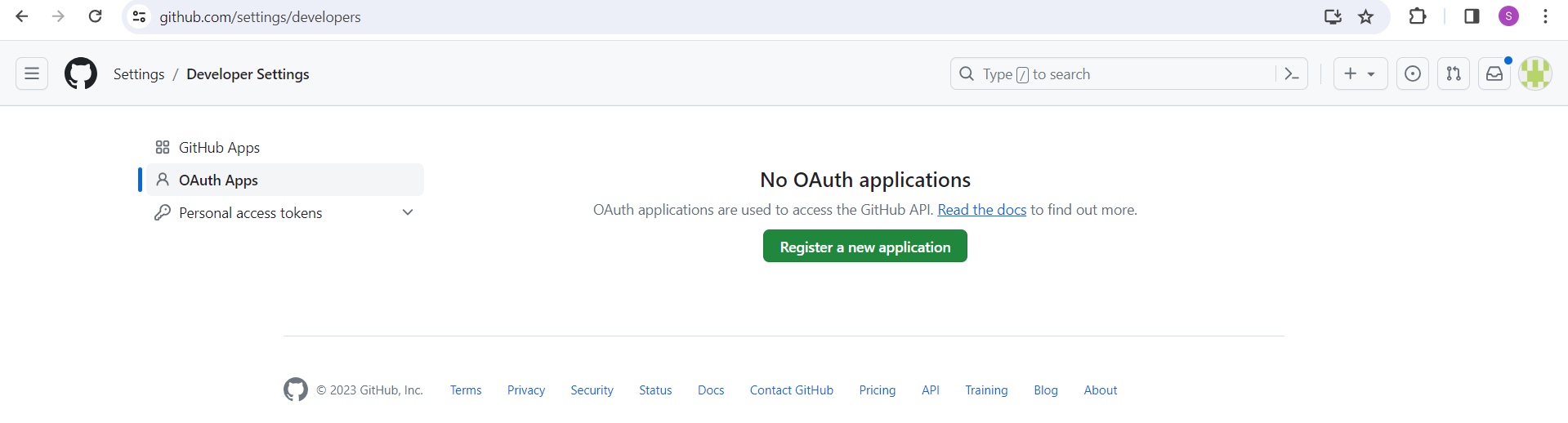


Sélectionnez Settings dans le menu déroulant :

Dans la page qui suit, faites défiler vers le bas et sélectionnez Developer settings :



Cliquez sur OAuth Apps sur la page suivante et choisissez Register a New Application :

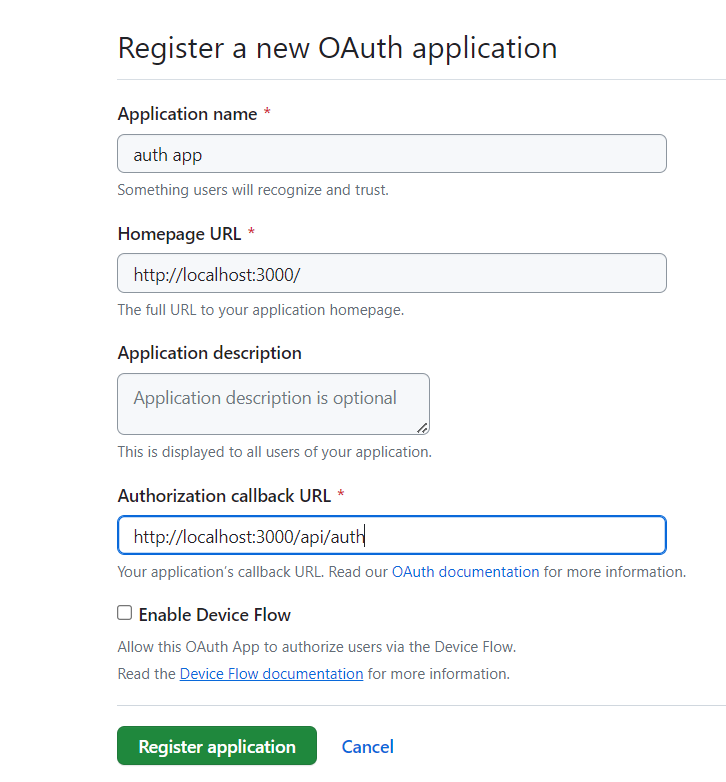


Remplissez le formulaire que vous voyez sur la page qui suit :

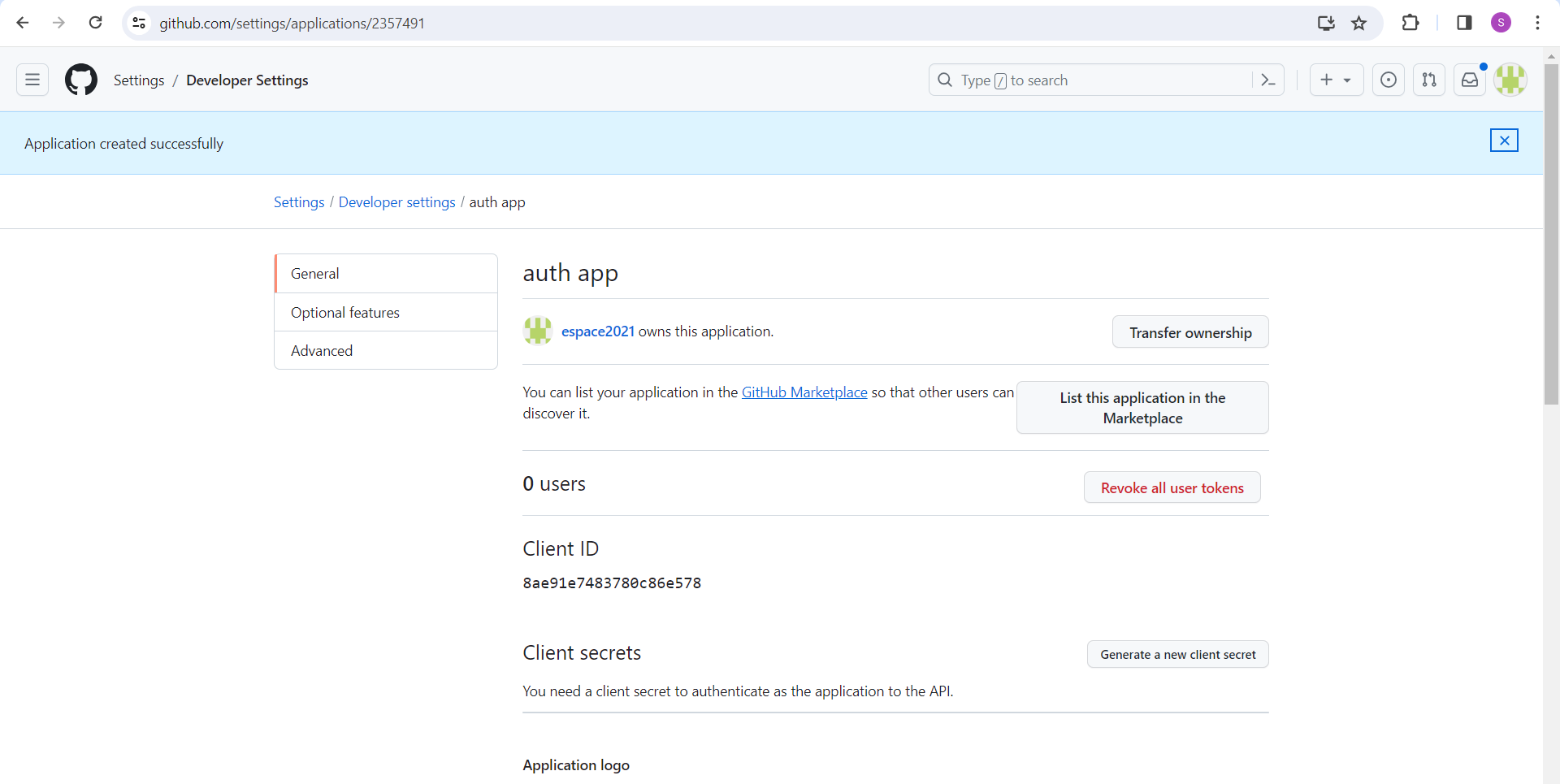
Application name - auth app

Homepage URL - http://localhost:3000/

Authorization callback URL - http://localhost:3000/api/auth



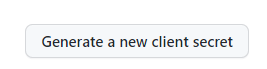
Cliquez sur le bouton Register Application. Une nouvelle page apparaît avec le GITHUB\_ID et le GITHUB\_SECRET :

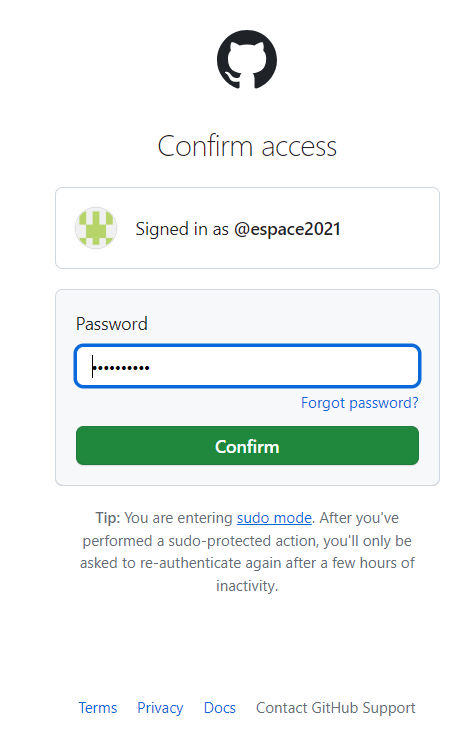


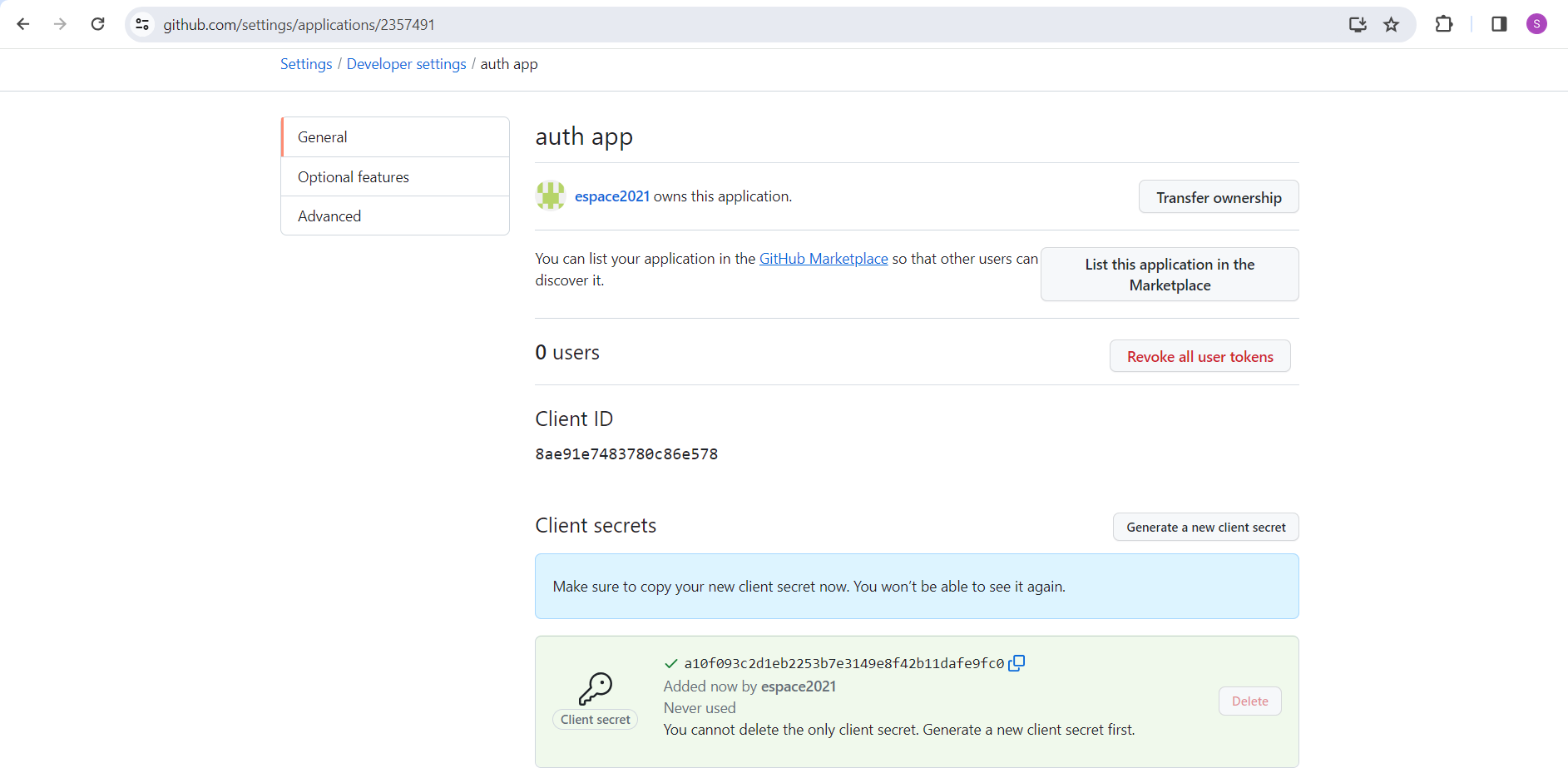
## Client ID

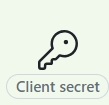
8ae91e7483780c86e578

Cliquez sur Generate a new client secret pour voir le GITHUB\_SECRET.









a10f093c2d1eb2253b7e3149e8f42b11dafe9fc0

## Provider

Dans layout ajouter le code de provider



'use client';

import Navabar from '@/components/client/Navabar'

import {SessionProvider} from "next-auth/react";

export default function ClientLayout({ children,session }) {

  return (

    <>

    <SessionProvider session={session}>

       <Navabar/>

        {children}

    </SessionProvider>

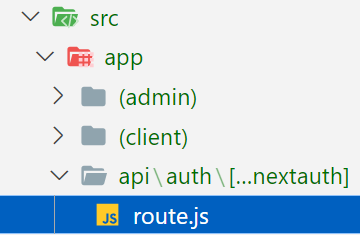
    </>

  )

}

## /app/api/auth/[…nextauth]/route.js

Sous /app créer /api/auth/[…nextauth]/route.js



import NextAuth from "next-auth";

import GoogleProvider from "next-auth/providers/google";

import GitHubProvider from "next-auth/providers/github";

export const authOptions = {

    providers: [

        GitHubProvider({

            clientId: "8ae91e7483780c86e578",

            clientSecret: "a10f093c2d1eb2253b7e3149e8f42b11dafe9fc0",

          }),

        GoogleProvider({

            clientId: "31017781977-c2mev6djp0jd9dte3hcqal7v8ha2tp27.apps.googleusercontent.com",

            clientSecret: "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"

        })

    ],

}

const handler = NextAuth(authOptions)

export { handler as GET, handler as POST }

## Logout

Dans Navbar changer le code pour ajouter l’action logout



'use client';

import Link from "next/link";

import {useSession, signOut} from 'next-auth/react';

const NavBar = () => {

    const {data} =useSession();

return (

<nav className="navbar navbar-expand-lg bg-light">

    <ul className="navbar-nav me-auto mb-2 mb-lg-0">

    <li className="nav-item">

        <Link className="nav-link" href={"/client"}>Home</Link>

    </li>

   <li className="nav-item">

   {data ?  ( <>

      <button className="btn btn-default"  onClick={() => {signOut();}}>Logout </button>

              </>

              ):  null

              }

   </li>

</ul>

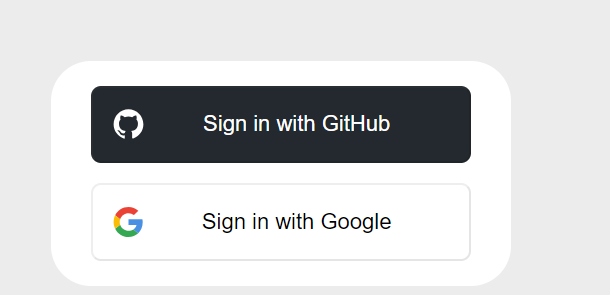
</nav>

);

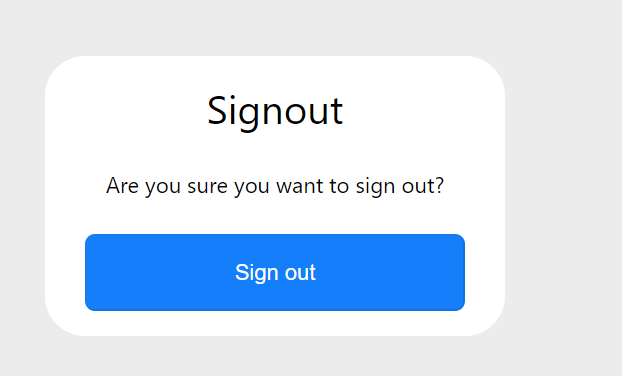
};

export default NavBar;

# <http://localhost:3000/api/auth/signin>



<http://localhost:3000/api/auth/signout>





import React from 'react'

import Link from "next/link";

const page = () => {

  return (

    <div>

      <h1>APPLICATION</h1>

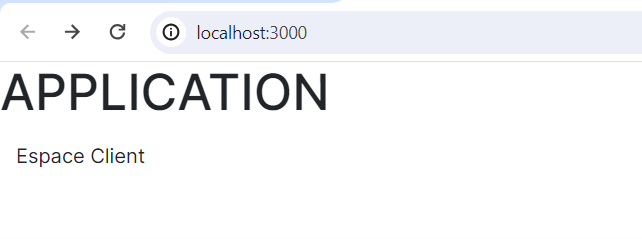
      <Link className="btn btn-default" href={'/client'}> Espace Client </Link>

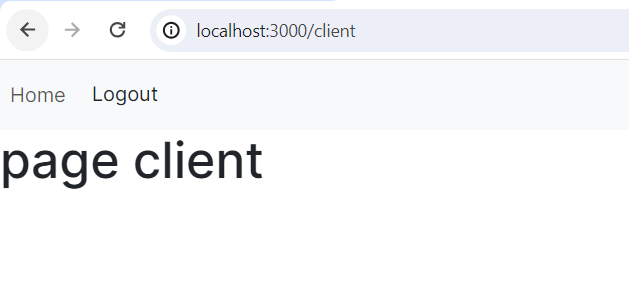
    </div>

  )

}

export default page





# Shopping Cart et protected page

Référence : <https://www.npmjs.com/package/use-shopping-cart>

Exécutez la commande suivante pour installer la bibliothèque :

npm install use-shopping-cart --force

## Ajouter le composant cartProvider

Nous devons envelopper le composant racine de notre application avec <CartProvider/> de use-shopping-cart. Cela nous permettra d'accéder à l'état et à la logique du panier à partir de n'importe quelle page ou composant de notre application. Pour notre projet, le composant racine est **layout** sous le dossier **/app**

'use client';

import Navabar from '@/components/client/Navabar'

import {SessionProvider} from "next-auth/react";

import { CartProvider } from "use-shopping-cart";

export default function ClientLayout({ children,session }) {

  return (

    <>

    <SessionProvider session={session}>

    <CartProvider

    // Enables local storage

    shouldPersist={true}

  >

       <Navabar/>

        {children}

        </CartProvider>

    </SessionProvider>

    </>

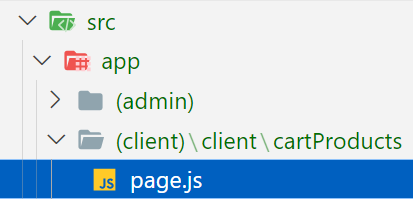
  )

}

shouldPersist est mise à true pour stocker les articles du panier dans le localStorage.

# Page cartProducts

Créer le dossier cartProducts sous le répertoire /client contenant le ficher page.js



import CartProductList from '@/components/client/CartProductList';

import {fetchArticles} from "@/services/ArticlesService"

const getProducts=async()=>{

const {data}=await fetchArticles();

return data

};

const CartProductsPage= async ()=> {

    const products = await getProducts();

    return (

      <>

      <CartProductList products={products} />

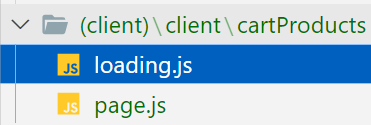
     </>

    )

}

export default CartProductsPage;

Puis créer loading.js



import React from 'react'

const loading = () => {

return (

<div className="d-flex justify-content-center mt-5">

<h1>Loading...</h1>

</div>

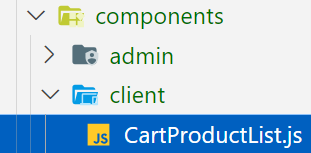
)

}

export default loading

# Component CartProductList

Sous le dossier /components créer le dossier client puis y créer le composant CartProductList.js



import CartProductItem from "./CartProductItem";

const CartProductList=  async ({products})=> {

       return (

        <div className="row">

            {products && products?.map((product) => (

              <CartProductItem key={product?.\_id} product={product} />

            ))}

          </div>

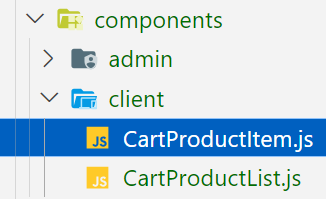
       );

}

export default CartProductList;

# Component CartProductItem

Sous le dossier /components/client/ créer le composant CartProductItem.js



"use client";

import React,{ useState } from "react";

const CartProductItem= ({product})=> {

    const [quantity, setQuantity] = useState(1);

    const decreaseQuantity = () => {

      if (quantity > 1) {

        setQuantity(quantity - 1);

      }

    };

    const increaseQuantity = () => {

      setQuantity(quantity + 1);

    };

    return (

<article className="col-sm-3">

  <div className="card">

    <img

      src={product?.imageart}

      className="card-img-top p-5"

      alt={product.designation}

    />

  </div>

  <div>

 <div>{product.designation}</div>

 <div>Prix : {product.prix} TND </div>

 <div>

    <button

      onClick={decreaseQuantity}

      className="btn btn-default"

    >

      -

    </button>

    <span>{quantity}</span>

    <button

      onClick={increaseQuantity}

      className="btn btn-default"

    >

      +

    </button>

  </div>

  </div>

  <div className="text-center">

  <button className="btn btn-warning">

    Add to cart

  </button>

  </div>

</article>

    );

}

export default CartProductItem;

# Ajouter le lien dans le NavBar

Changer le code pour ajouter le lien vers la page shopping cart

'use client';

import Link from "next/link";

import ShoppingBasketIcon from '@mui/icons-material/ShoppingBasket';

import {useSession, signOut} from 'next-auth/react';

const NavBar = () => {

    const {data} =useSession();

return (

<nav className="navbar navbar-expand-lg bg-light">

    <ul className="navbar-nav me-auto mb-2 mb-lg-0">

    <li className="nav-item">

        <Link className="nav-link" href={"/client"}>Home</Link>

    </li>

   <li className="nav-item">

   <Link className="btn btn-default" href={'/client/cartProducts'}><ShoppingBasketIcon style={{ color: 'pink' }}/> Shopping Cart </Link>

   </li>

   <li className="nav-item">

   {data ?  ( <>

      <button className="btn btn-default"  onClick={() => {signOut();}}>Logout </button>

              </>

              ):  null

              }

   </li>

</ul>

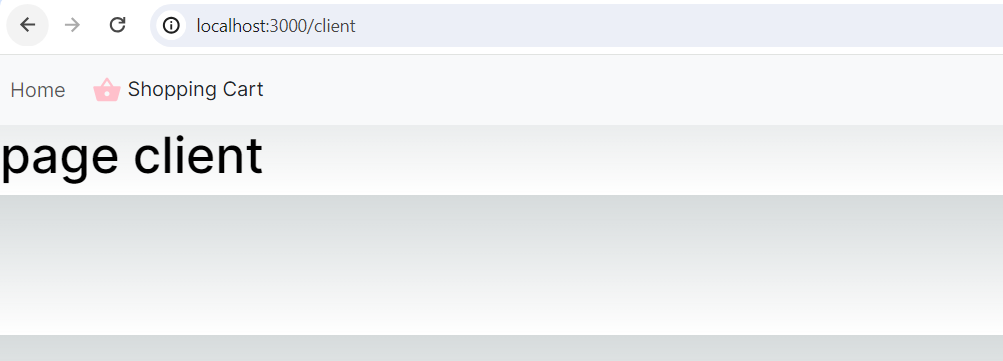
</nav>

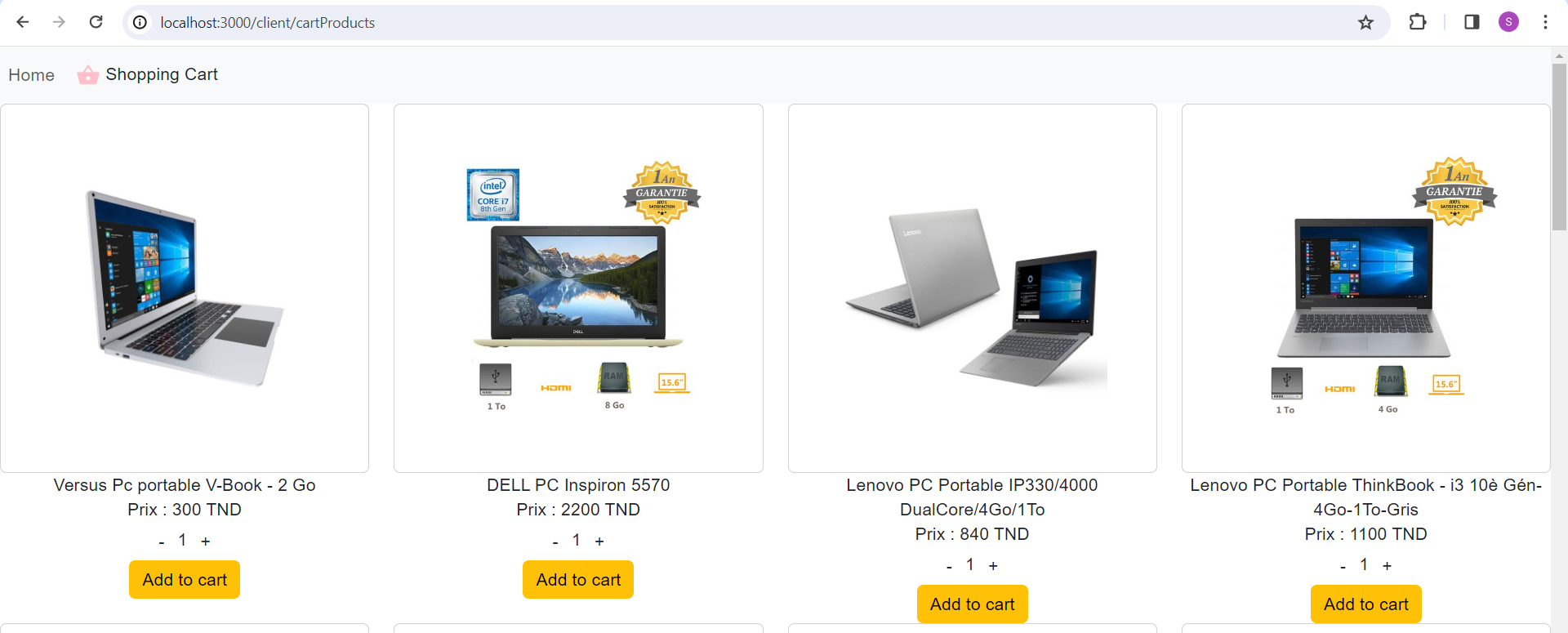
);

};

export default NavBar;

[http://localhost:3000/client/](http://localhost:3000/client/cartProducts)





# Protéger la page avec la session



"use client";

import React,{ useState } from "react";

import { useSession } from 'next-auth/react'

import { redirect } from 'next/navigation'

const CartProductItem= ({product})=> {

  const { data: session } = useSession({

    required: true,

    onUnauthenticated() {

    redirect('/signin?callbackUrl=/client/cartProducts')

    }

  })

    const [quantity, setQuantity] = useState(1);

    const decreaseQuantity = () => {

      if (quantity > 1) {

        setQuantity(quantity - 1);

      }

    };

    const increaseQuantity = () => {

      setQuantity(quantity + 1);

    };

    return (

<article className="col-sm-3">

  <div className="card">

    <img

      src={product?.imageart}

      className="card-img-top p-5"

      alt={product.designation}

    />

  </div>

  <div>

 <div>{product.designation}</div>

 <div>Prix : {product.prix} TND </div>

 <div>

    <button

      onClick={decreaseQuantity}

      className="btn btn-default"

    >

      -

    </button>

    <span>{quantity}</span>

    <button

      onClick={increaseQuantity}

      className="btn btn-default"

    >

      +

    </button>

  </div>

  </div>

  <div className="text-center">

  <button className="btn btn-warning">

    Add to cart

  </button>

  </div>

</article>

    );

}

export default CartProductItem;

## signIn

Sous le répertoire /src/app/ créer le dossier signin dans le quel créer page.js



Nous avon besoin de cette page pour retrouver l’url de callback et ne pas la perdre (callbackUrl).

'use client';

import { signIn } from 'next-auth/react'

import { useSearchParams } from 'next/navigation'

const SignInPage = () => {

    const searchParams = useSearchParams()

    const callbackUrl = searchParams.get('callbackUrl')

    signIn('resend', { callbackUrl })

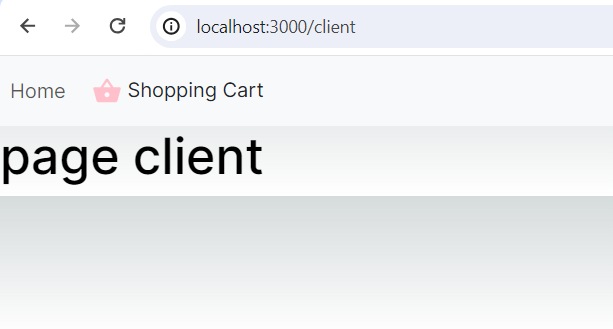
  return (

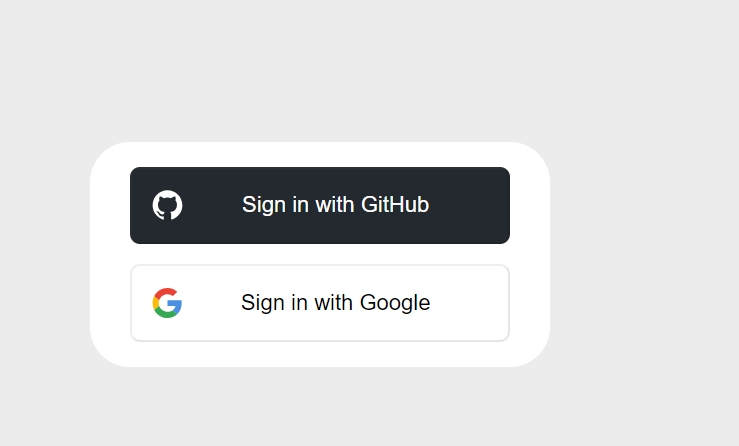
<></>

  )

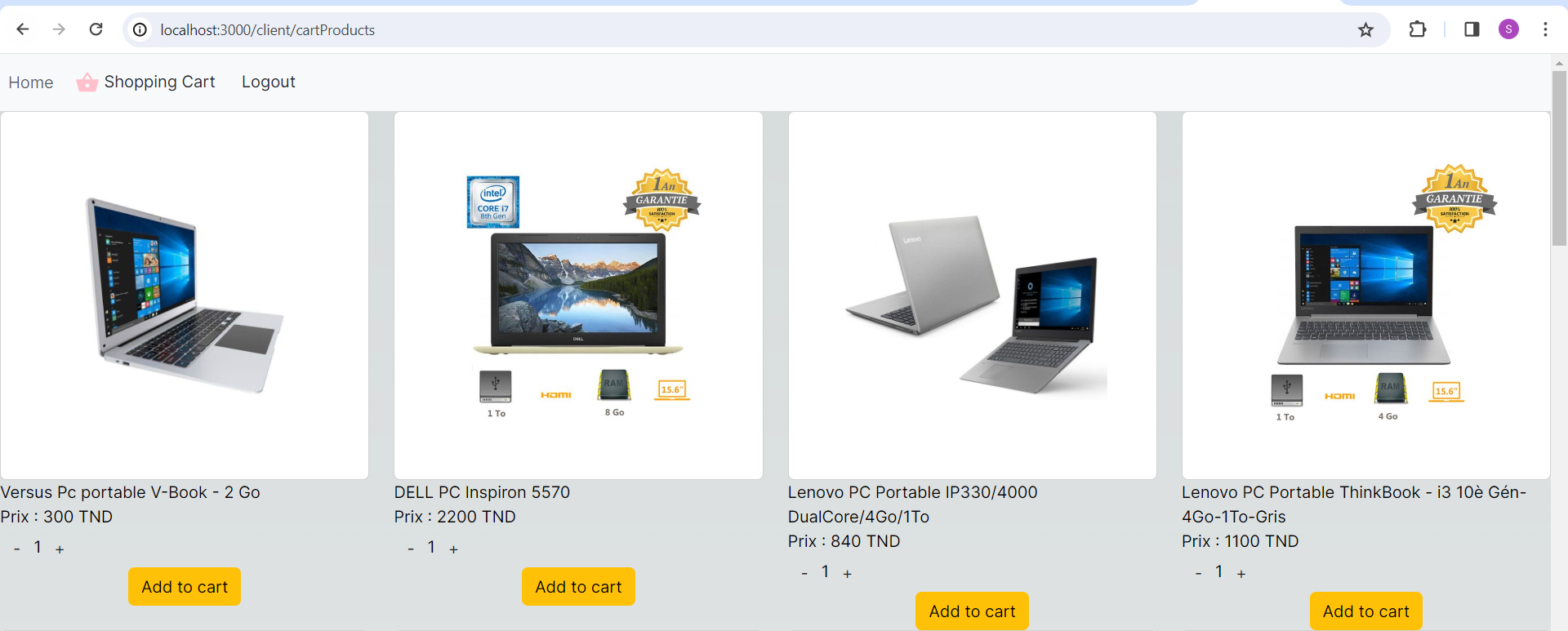
}

export default SignInPage

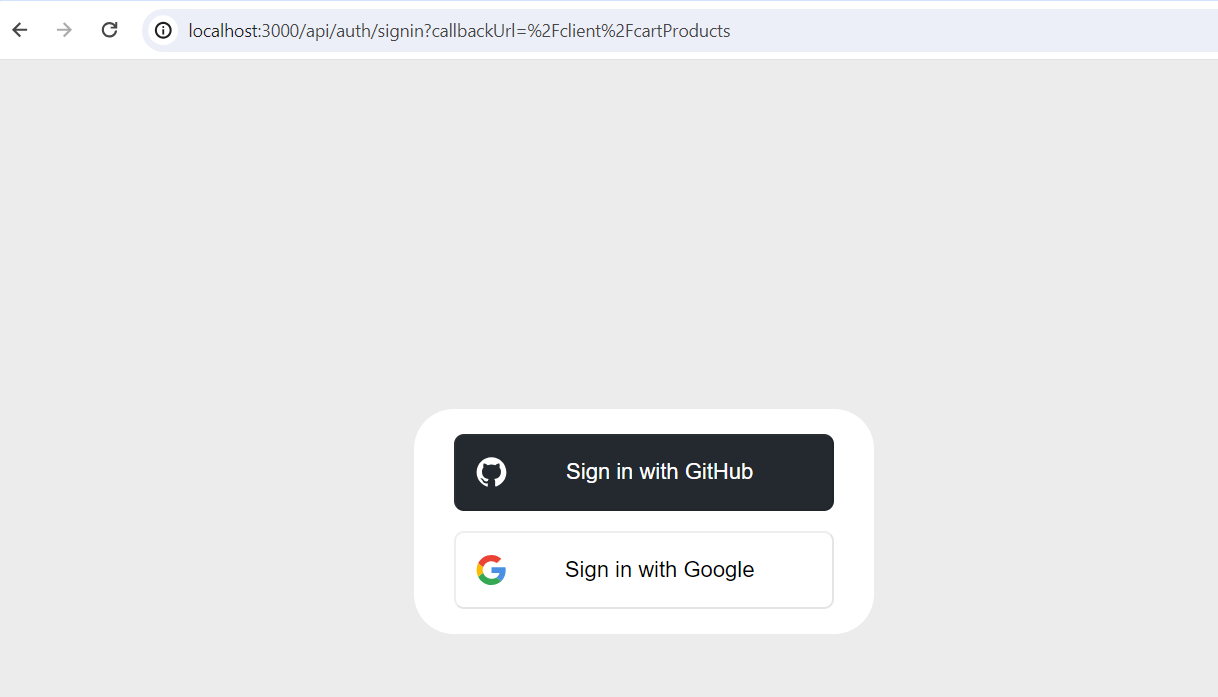




Après authentification par l’un de ces choix, on peut enfin visualiser la page



Si on clique sur logout on aura de nouveau la page signin





'use client';

import Link from "next/link";

import ShoppingBasketIcon from '@mui/icons-material/ShoppingBasket';

import {useSession, signOut} from 'next-auth/react';

import Image from "next/image";

const NavBar = () => {

    const {data} =useSession();

return (

<nav className="navbar navbar-expand-lg bg-light">

    <ul className="navbar-nav me-auto mb-2 mb-lg-0">

    <li className="nav-item">

        <Link className="nav-link" href={"/client"}>Home</Link>

    </li>

   <li className="nav-item">

   <Link className="btn btn-default" href={'/client/cartProducts'}><ShoppingBasketIcon style={{ color: 'pink' }}/> Shopping Cart </Link>

   </li>

   <li className="nav-item">

   {data ?  ( <>

      <button className="btn btn-default"  onClick={() => {signOut();}}>Logout </button>

      <button className="btn btn-default">

                <Image

                  src="/images/cart.png"

                  width={40}

                  height={40}

                  alt="shopping cart icon"

                />

                 <span className="badge bg-primary">4</span>

        </button>

              </>

              ):  null

              }

   </li>

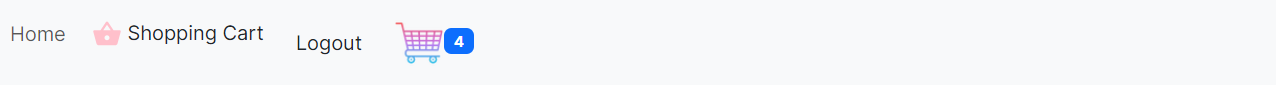
</ul>

</nav>

);

};

export default NavBar;





"use client";

import React,{ useState } from "react";

import { useSession } from 'next-auth/react'

import { redirect } from 'next/navigation'

import { useShoppingCart } from "use-shopping-cart" ;

const CartProductItem= ({product})=> {

  const { addItem } = useShoppingCart();

  const { data: session } = useSession({

    required: true,

    onUnauthenticated() {

    redirect('/signin?callbackUrl=/client/cartProducts')

    }

  })

    const [quantity, setQuantity] = useState(1);

    const decreaseQuantity = () => {

      if (quantity > 1) {

        setQuantity(quantity - 1);

      }

    };

    const increaseQuantity = () => {

      setQuantity(quantity + 1);

    };

const addToCart = () => {

const target = {

id:product.\_id,

title: product.designation,

image: product.imageart,

price : product.prix,

quantity : quantity,

count:quantity

};

addItem(target);

console.log('Item added to cart:', target);

// We are adding this line, which resets the quantity back to 1

setQuantity(1);

};

    return (

<article className="col-sm-3">

  <div className="card">

    <img

      src={product?.imageart}

      className="card-img-top p-5"

      alt={product.designation}

    />

  </div>

  <div>

 <div>{product.designation}</div>

 <div>Prix : {product.prix} TND </div>

 <div>

    <button

      onClick={decreaseQuantity}

      className="btn btn-default"

    >

      -

    </button>

    <span>{quantity}</span>

    <button

      onClick={increaseQuantity}

      className="btn btn-default"

    >

      +

    </button>

  </div>

  </div>

  <div className="text-center">

  <button className="btn btn-warning" onClick={() => addToCart()}>

    Add to cart

  </button>

  </div>

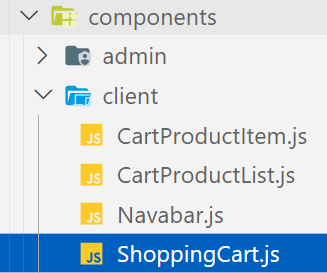
</article>

    );

}

export default CartProductItem;

Créer



"use client";

import { useState } from "react";

import CartItem from "./CartItem";

import { useShoppingCart } from "use-shopping-cart";

export default function ShoppingCart() {

    const { shouldDisplayCart,cartDetails, totalPrice } = useShoppingCart();

console.log(cartDetails)

    const [status, setStatus] = useState("idle");

  return (

    <div

      className={`${

        shouldDisplayCart ? "opacity-100" : "opacity-0"

      }`}

    >

      {cartDetails ? (

        <>

          {

          Object.values(cartDetails ?? {}).map((item) => (

            <CartItem item={item} key={item.id} />

          ))}

                <article className="mt-3 flex flex-col">

Total : {totalPrice}

                   <button>

                     {status !== "loading" ? "Proceed to checkout" : "Loading..."}

                  </button>

               </article>

        </>

      ) : (

        <div className="p-5">You have no items in your cart</div>

      )

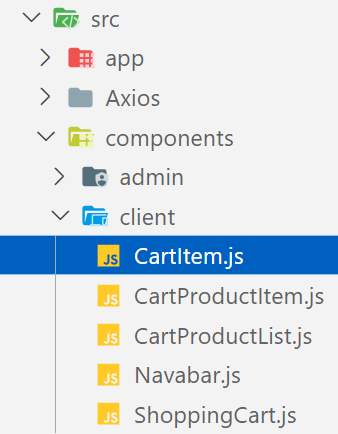
      }

    </div>

  );

    }

Créer



import Image from "next/image";

import { useShoppingCart } from "use-shopping-cart" ;

export default function CartItem({ item }) {

    const { removeItem } = useShoppingCart();

  const { title, image, quantity, price } = item;

  const removeItemFromCart = () => {

    removeItem(item.id);

  };

  return (

    <div className="column">

      <p>

                    <img

                    src={image}

                    width={40} height={40}

                    alt={title}

                   />

                   </p>

       {title} <span> Quantity : ({quantity})</span>

      Price : {price} TND

      <button className="btn btn-default" onClick={() => removeItemFromCart()}>

        <Image alt="delete icon" src="/images/trash.png" width={25} height={25} />

      </button>

    </div>

  );

}



'use client';

import Link from "next/link";

import ShoppingBasketIcon from '@mui/icons-material/ShoppingBasket';

import {useSession, signOut} from 'next-auth/react';

import Image from "next/image";

import ShoppingCart from "./ShoppingCart";

import { useShoppingCart } from "use-shopping-cart" ;

const NavBar = () => {

    const { clearCart,cartCount,handleCartClick} = useShoppingCart();

    const {data} =useSession();

return (

<nav className="navbar navbar-expand-lg bg-light">

    <ul className="navbar-nav me-auto mb-2 mb-lg-0">

    <li className="nav-item">

        <Link className="nav-link" href={"/client"}>Home</Link>

    </li>

   <li className="nav-item">

   <Link className="btn btn-default" href={'/client/cartProducts'}><ShoppingBasketIcon style={{ color: 'pink' }}/> Shopping Cart </Link>

   </li>

   <li className="nav-item">

   {data ?  ( <>

      <button className="btn btn-default"  onClick={() => {signOut();}}>Logout </button>

      <button className="btn btn-default" onClick={() => handleCartClick()}>

                <Image

                  src="/images/cart.png"

                  width={40}

                  height={40}

                  alt="shopping cart icon"

                />

                 <span className="badge bg-primary">{cartCount}</span>

        </button>

        <span onClick={()=>clearCart()}>clearCart</span>

        <ShoppingCart />

              </>

              ):  null

              }

   </li>

</ul>

</nav>

);

};

export default NavBar;

