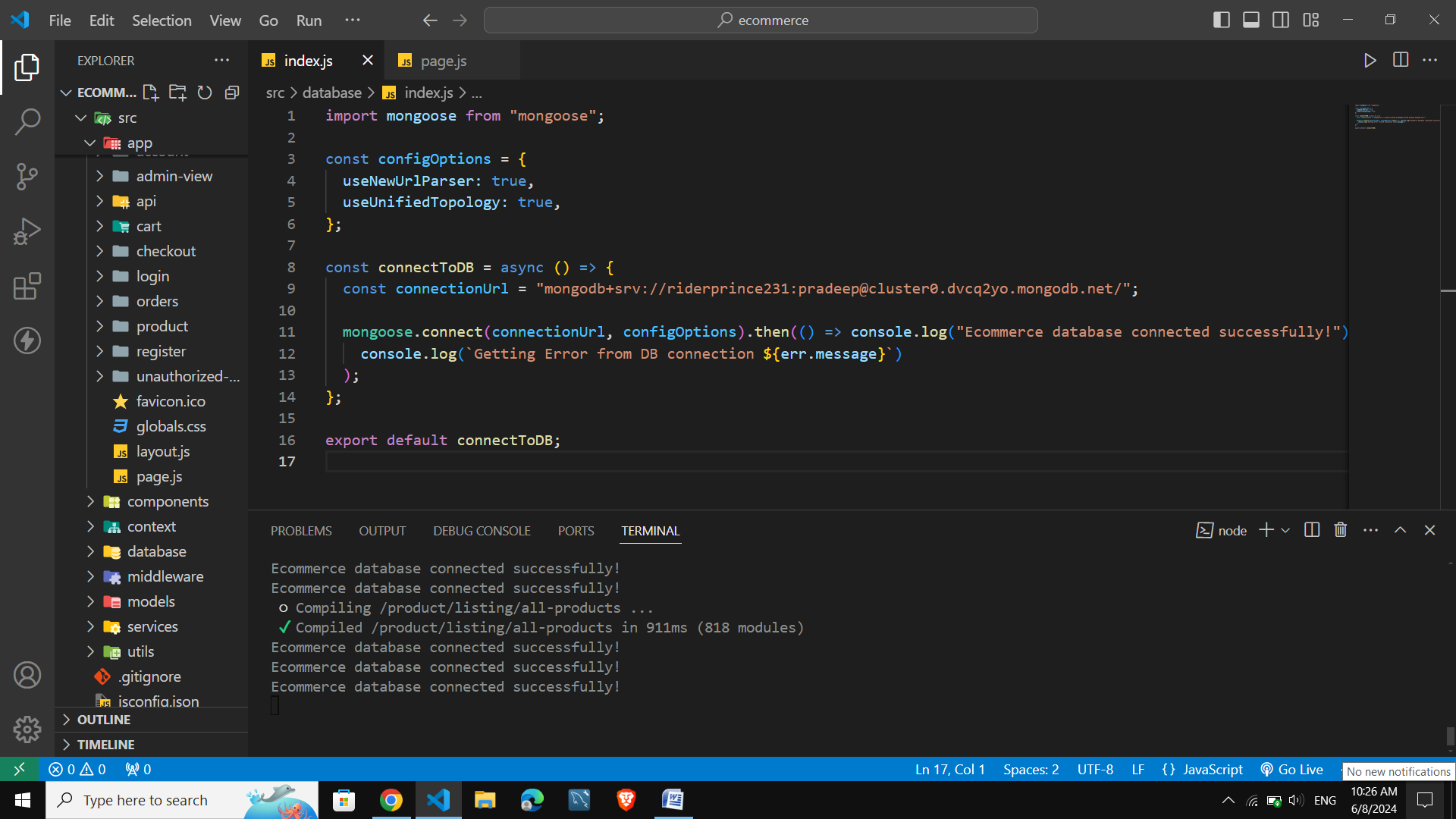
**Assignment 7.3.2**

**Project Structure**



**Step 1: Setting Up the Backend**

**1. Initialize the Backend Project**

Create a new directory for your backend project and initialize it:

mkdir backend

cd backend

npm init -y

**2. Install Dependencies**

Install the necessary dependencies:

npm install express cors dotenv bcryptjs encoding firebase mongoose react-toastify react-spinners

npm install nodemon

**3. Set Up the Server**

**Step 2: Setting Up the Frontend**

**1. Initialize the Frontend Project**

Create a new directory for your frontend project and initialize it:

mkdir frontend

cd frontend

npx create-react-app .

**2. Install Dependencies**

Install Axios for making HTTP requests:

npm install axios

**3. Set Up Components**

**Step 3: Run the Application**

**1. Start the Backend Server**

In the backend directory, start the backend server:

npm run dev

**2. Start the Frontend Server**

In the frontend directory, start the frontend development server:

npm start

**Step 4: Test the Application**

Open your browser and navigate to http://localhost:3000. You should see your Name List application. You can add names and see them listed below the form.

Home page (pages.js)

"use client";

import { GlobalContext } from "@/context";

import { getAllAdminProducts } from "@/services/product";

import { useRouter } from "next/navigation";

import { useContext, useEffect, useState } from "react";

export default function Home() {

  const { isAuthUser } = useContext(GlobalContext);

  const [products, setProducts] = useState([]);

  const router = useRouter();

  async function getListOfProducts() {

    const res = await getAllAdminProducts();

    if (res.success) {

      setProducts(res.data);

    }

  }

  useEffect(() => {

    getListOfProducts();

  }, []);

  console.log(products);

  return (

    <main className="flex min-h-screen flex-col items-center justify-between p-24">

      <section className="">

        <div className="grid max-w-screen-xl px-4 py-8 mx-suto  lg:gap-8 xl:gap-0 lg:py-16 lg:grid-cols-12">

          <div className="mr-auto place-self-center lg:col-span-7">

            <h1 className="max-w-2xl mb-4 text-4xl font-extrabold tracking-tight leading-none md:text-5xl xl:text-6xl">

              Best Fashion Collection

            </h1>

            <p className="max-w-2xl mb-6 font-light text-gray-500 lg:mb-8 md:text-lg lg:text-xl">

              Quisquemos sodales suscipit tortor ditaemcos condimentum de cosmo

              lacus meleifend menean diverra loremous.

            </p>

            <button

              type="button"

              onClick={() => router.push("/product/listing/all-products")}

              className="mt-1.5 inline-block bg-black px-5 py-3 text-xs font-medium uppercase tracking-wide text-white"

            >

              Explore Shop Collection

            </button>

          </div>

          <div className="hidden lg:mt-0 lg:col-span-5 lg:flex">

            <img

              src="https://images.unsplash.com/photo-1483985988355-763728e1935b?ixlib=rb-4.0.3&ixid=M3wxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8fA%3D%3D&auto=format&fit=crop&w=1170&q=80"

              alt="Explore Shop Collection"

            />

          </div>

        </div>

        <div className="max-w-screen-xl px-4 py-8 mx-auto sm:py-12 sm:px-6 lg:px-8">

          <div className="grid grid-cols-1 gap-4 lg:grid-cols-3 lg:items-stretch">

            <div className="grid p-6 bg-gray-100 rounded place-content-center sm:p-8">

              <div className="max-w-md mx-auto text-center lg:text-left">

                <div>

                  <h2 className="text-xl font-bold text-gray-900 sm:text-3xl">

                    Summer Sale Collection

                  </h2>

                </div>

                <button

                  onClick={() => router.push("/product/listing/all-products")}

                  className="mt-1.5 inline-block bg-black px-5 py-3 text-xs font-medium uppercase tracking-wide text-white"

                >

                  Shop ALL

                </button>

              </div>

            </div>

            <div className="lg:col-span-2 lg:py-8">

              <ul className="grid grid-cols-2 gap-4">

                {products && products.length

                  ? products

                      .filter((item) => item.onSale === "yes")

                      .splice(0, 2)

                      .map((productItem) => (

                        <li

                          onClick={() =>

                            router.push(`/product/${productItem.\_id}`)

                          }

                          className="cursor-pointer"

                          key={productItem.\_id}

                        >

                          <div>

                            <img

                              src={productItem.imageUrl}

                              alt="Sale Product Item"

                              className="object-cover w-full rounded aspect-square"

                            />

                          </div>

                          <div className="mt-3">

                            <h3 className="font-medium text-gray-900">

                              {productItem.name}

                            </h3>

                            <p className="mt-1 text-sm text-gray-800">

                              ${productItem.price}{" "}

                              <span className="text-red-700">{`(-${productItem.priceDrop}%) Off`}</span>

                            </p>

                          </div>

                        </li>

                      ))

                  : null}

              </ul>

            </div>

          </div>

        </div>

        <div className="max-w-screen-xl px-4 py-8 mx-auto sm:px-6 sm:py-12 lg:px-8">

          <div className="text-center">

            <h2 className="text-xl font-bold text-gray-950 sm:text-3xl">

              SHOP BY CATEGORY

            </h2>

          </div>

          <ul className="grid grid-cols-1 gap-4 mt-8 lg:grid-cols-3">

            <li>

              <div className="relative block group">

                <img

                  src="https://images.unsplash.com/photo-1618898909019-010e4e234c55?ixlib=rb-4.0.3&ixid=MnwxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8&auto=format&fit=crop&w=774&q=80"

                  className="object-cover w-full aspect-square"

                />

                <div className="absolute inset-0 flex flex-col items-start justify-end p-6">

                  <h3 className="text-xl font-medium text-white">KIDS</h3>

                  <button

                    onClick={() => router.push("/product/listing/kids")}

                    className="mt-1.5 inline-block bg-black px-5 py-3 text-xs font-medium uppercase tracking-wide text-white"

                  >

                    Shop Now

                  </button>

                </div>

              </div>

            </li>

            <li>

              <div className="relative block group">

                <img

                  src="https://images.unsplash.com/photo-1624623278313-a930126a11c3?ixlib=rb-4.0.3&ixid=MnwxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8&auto=format&fit=crop&w=774&q=80"

                  className="object-cover w-full aspect-square"

                />

                <div className="absolute inset-0 flex flex-col items-start justify-end p-6">

                  <h3 className="text-xl font-medium text-white">WOMEN</h3>

                  <button

                    onClick={() => router.push("/product/listing/women")}

                    className="mt-1.5 inline-block bg-black px-5 py-3 text-xs font-medium uppercase tracking-wide text-white"

                  >

                    Shop Now

                  </button>

                </div>

              </div>

            </li>

            <li className="lg:col-span-2 lg:col-start-2 lg:row-span-2 lg:row-start-1">

              <div className="relative block group">

                <img

                  src="https://images.unsplash.com/photo-1593795899768-947c4929449d?ixlib=rb-4.0.3&ixid=MnwxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8&auto=format&fit=crop&w=2672&q=80"

                  className="object-cover w-full aspect-square"

                />

                <div className="absolute inset-0 flex flex-col items-start justify-end p-6">

                  <h3 className="text-xl font-medium text-white">MEN</h3>

                  <button

                    onClick={() => router.push("/product/listing/men")}

                    className="mt-1.5 inline-block bg-black px-5 py-3 text-xs font-medium uppercase tracking-wide text-white"

                  >

                    Shop Now

                  </button>

                </div>

              </div>

            </li>

          </ul>

        </div>

      </section>

    </main>

  );

}

Connection.js

import mongoose from "mongoose";

const configOptions = {

  useNewUrlParser: true,

  useUnifiedTopology: true,

};

const connectToDB = async () => {

  const connectionUrl = "mongodb+srv://riderprince231:pradeep@cluster0.dvcq2yo.mongodb.net/";

  mongoose.connect(connectionUrl, configOptions).then(() => console.log("Ecommerce database connected successfully!")).catch((err) =>

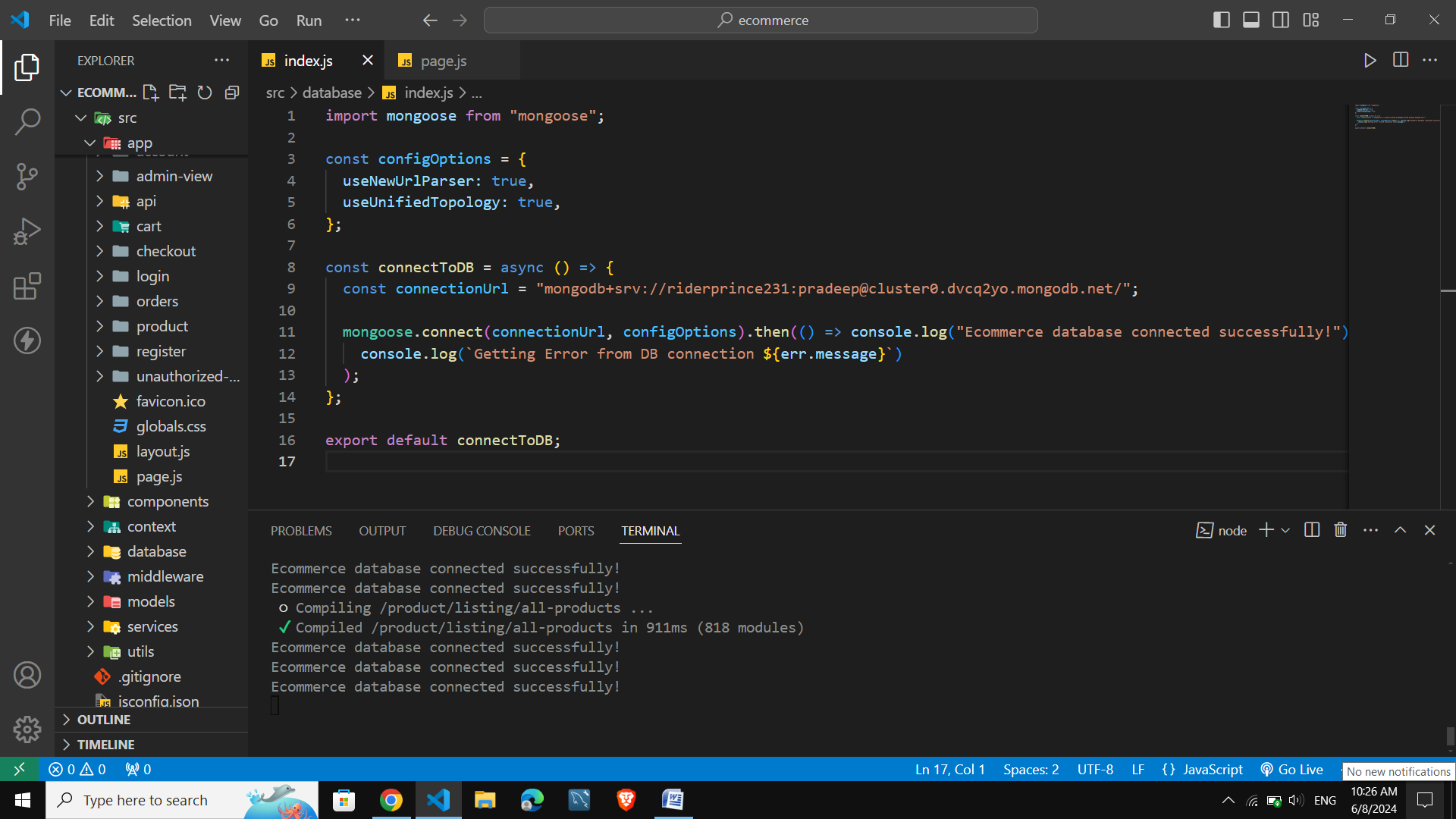
    console.log(`Getting Error from DB connection ${err.message}`)

  );

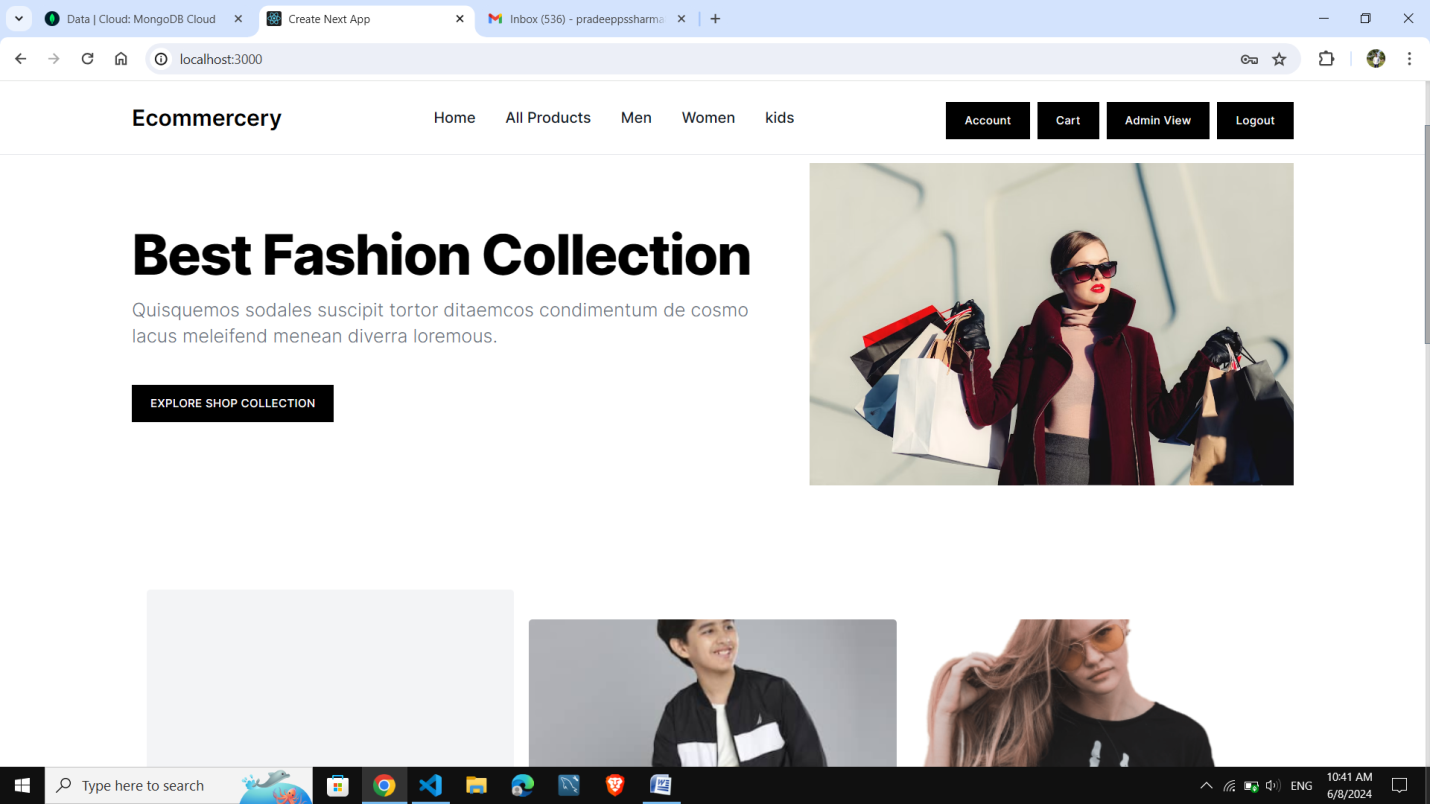
};

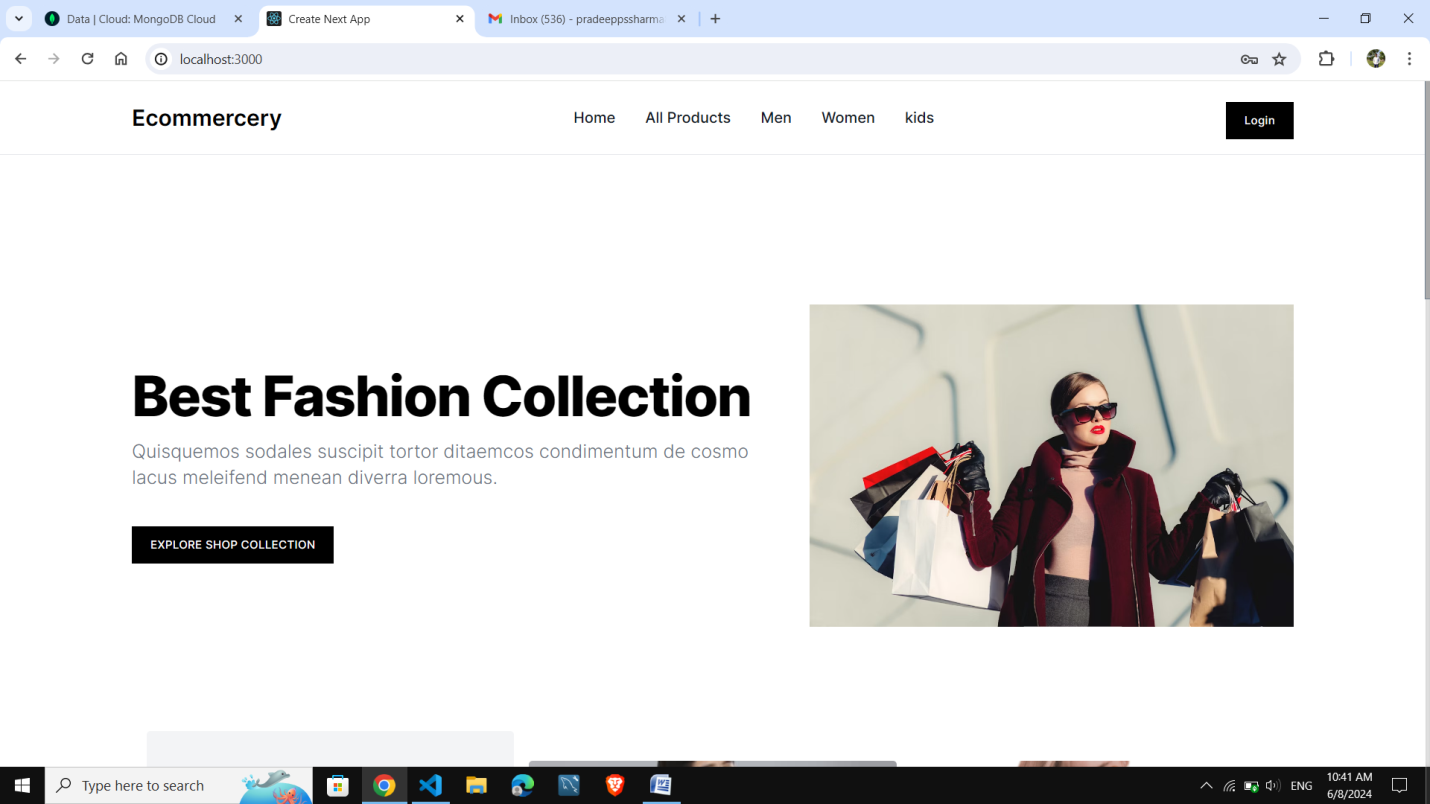
export default connectToDB;

**Screenshot**

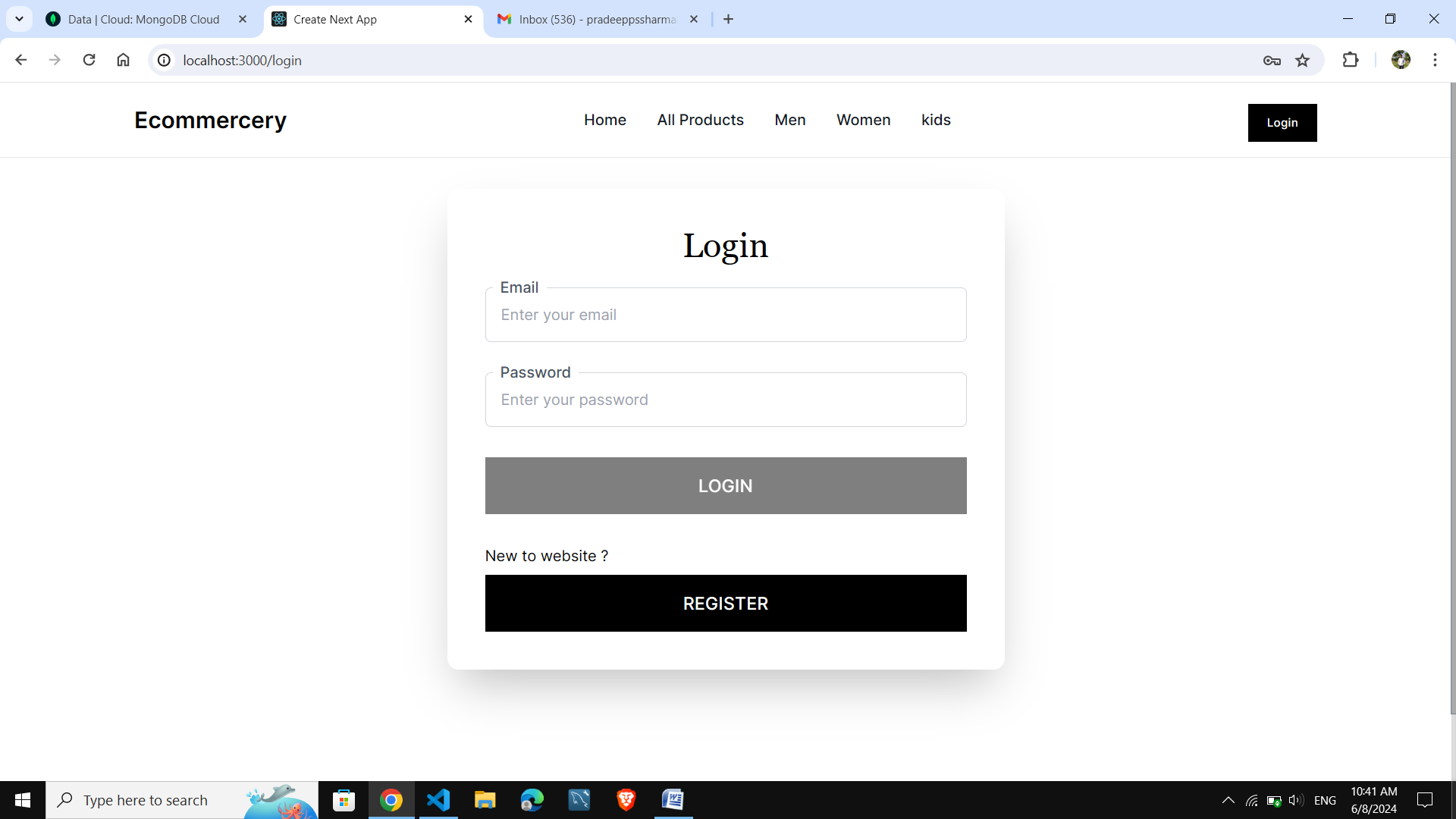
****

**Home page**

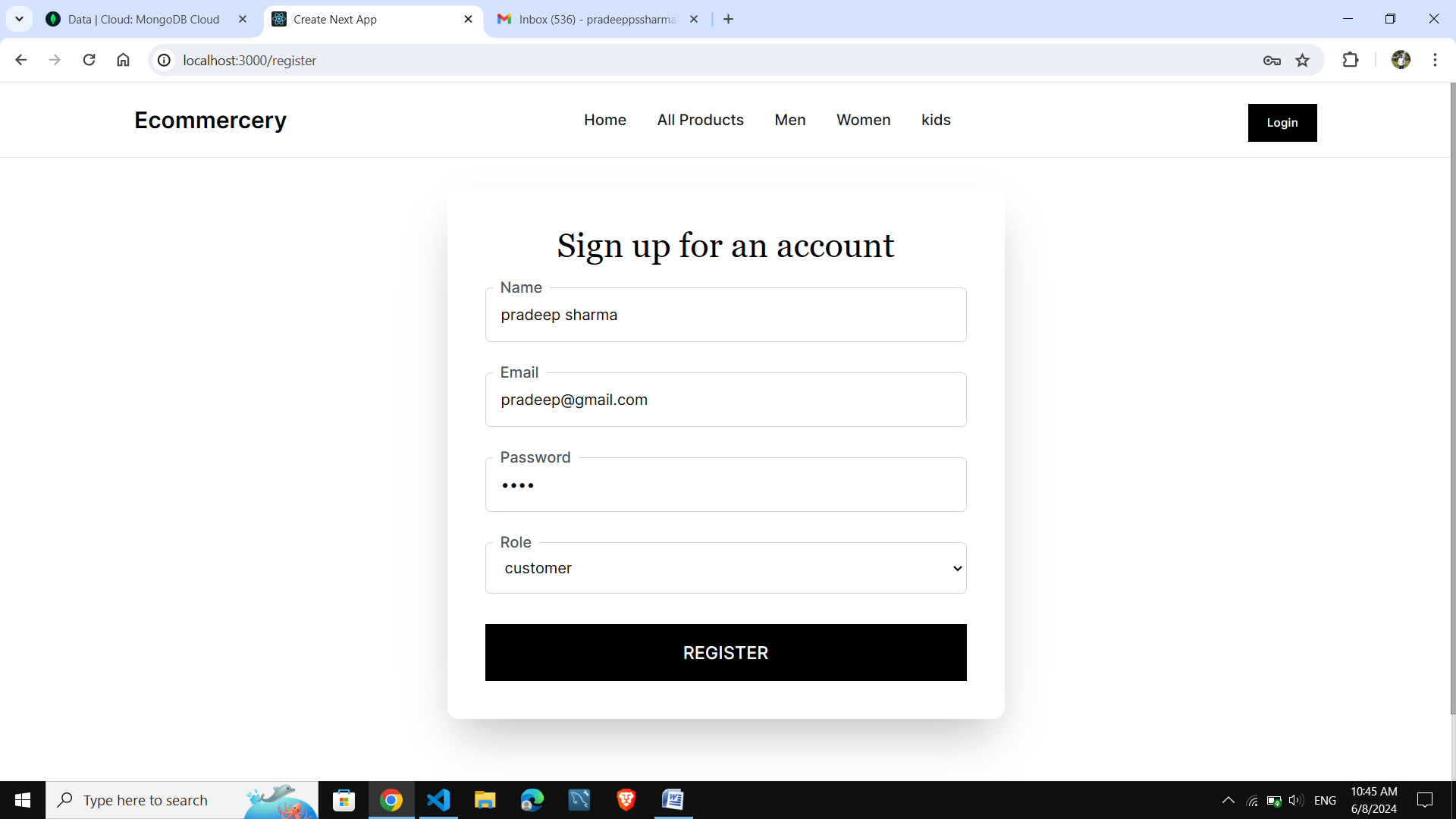
****

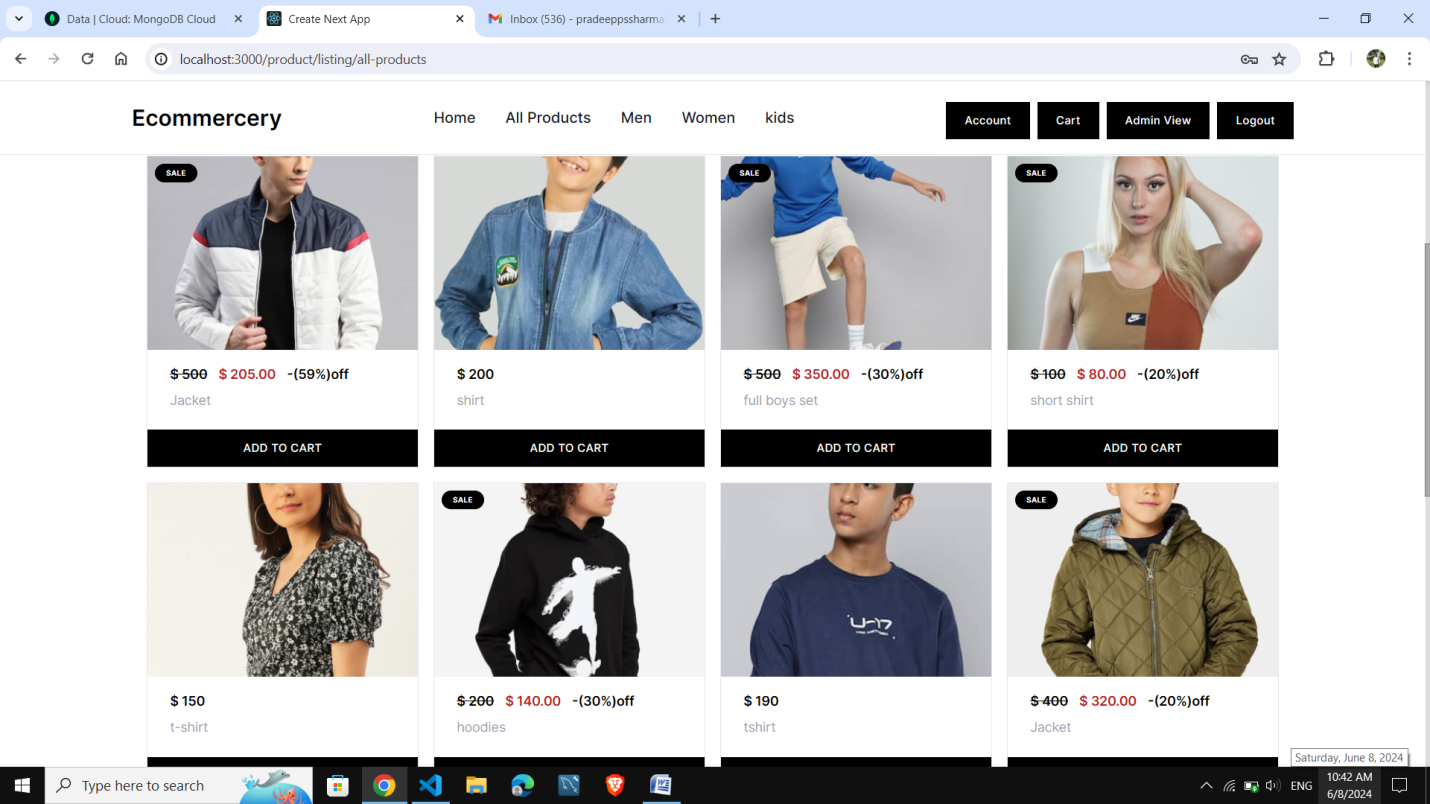
****

**Login page**

****

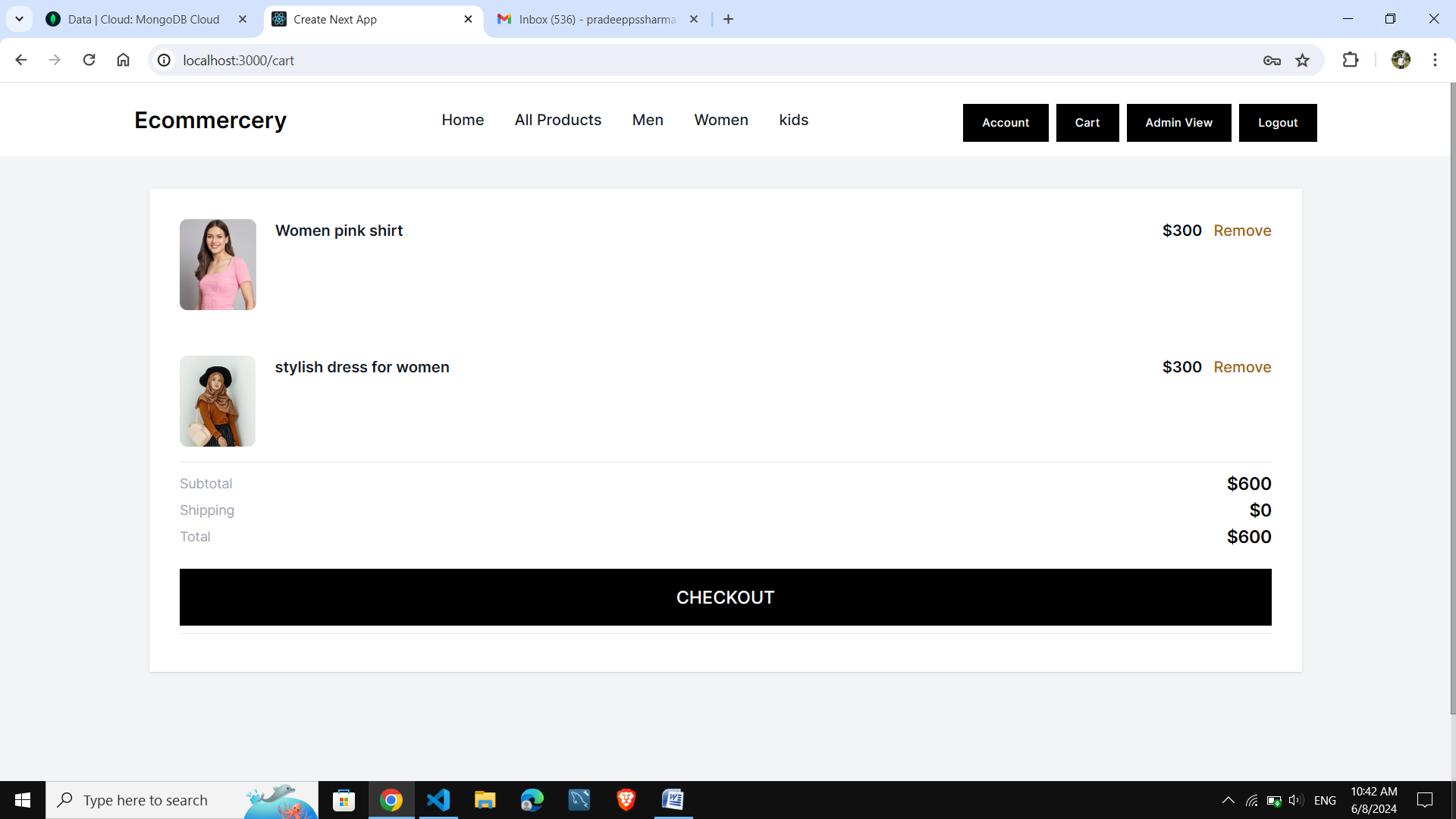
**Sign up page**

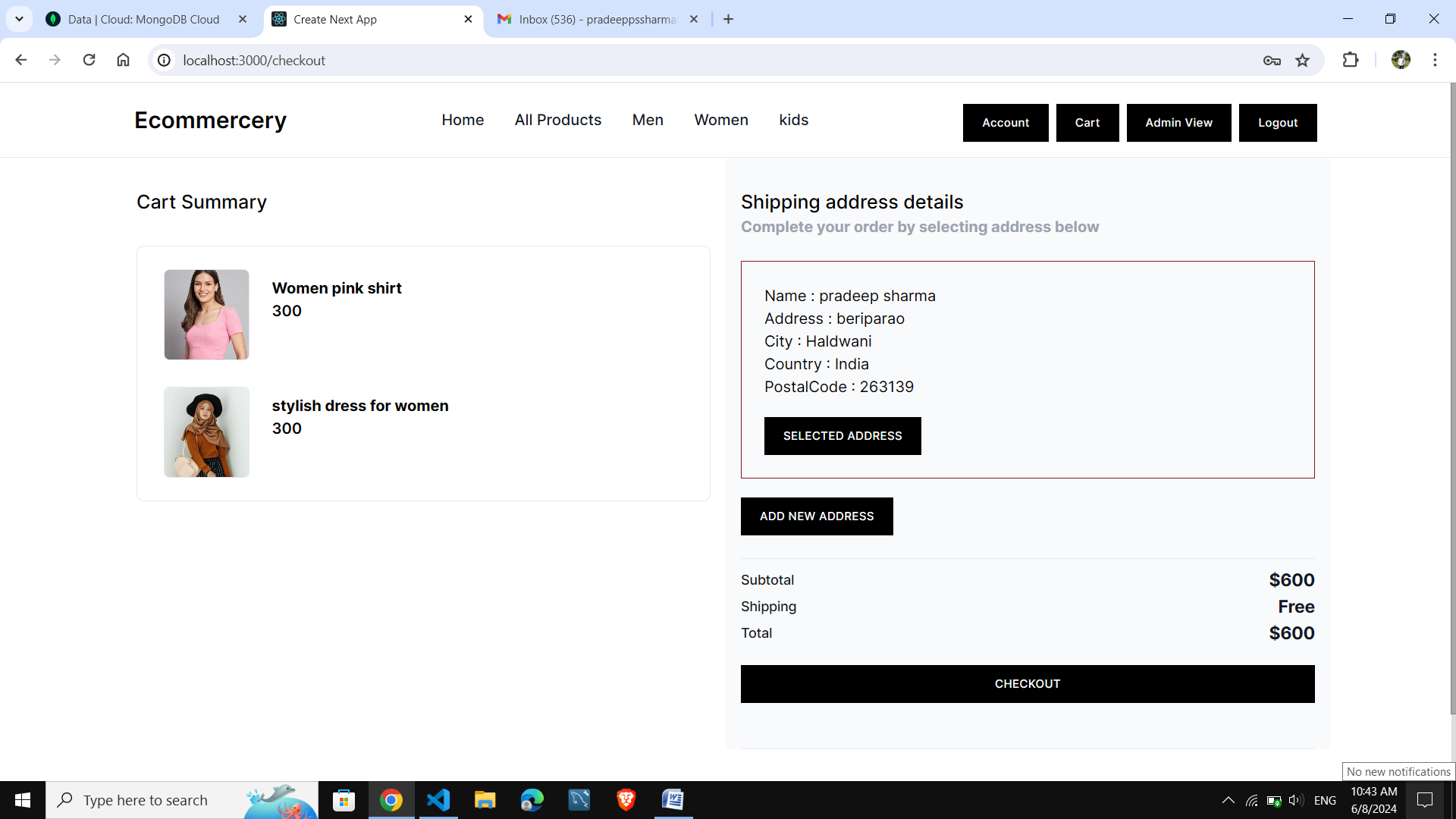
****

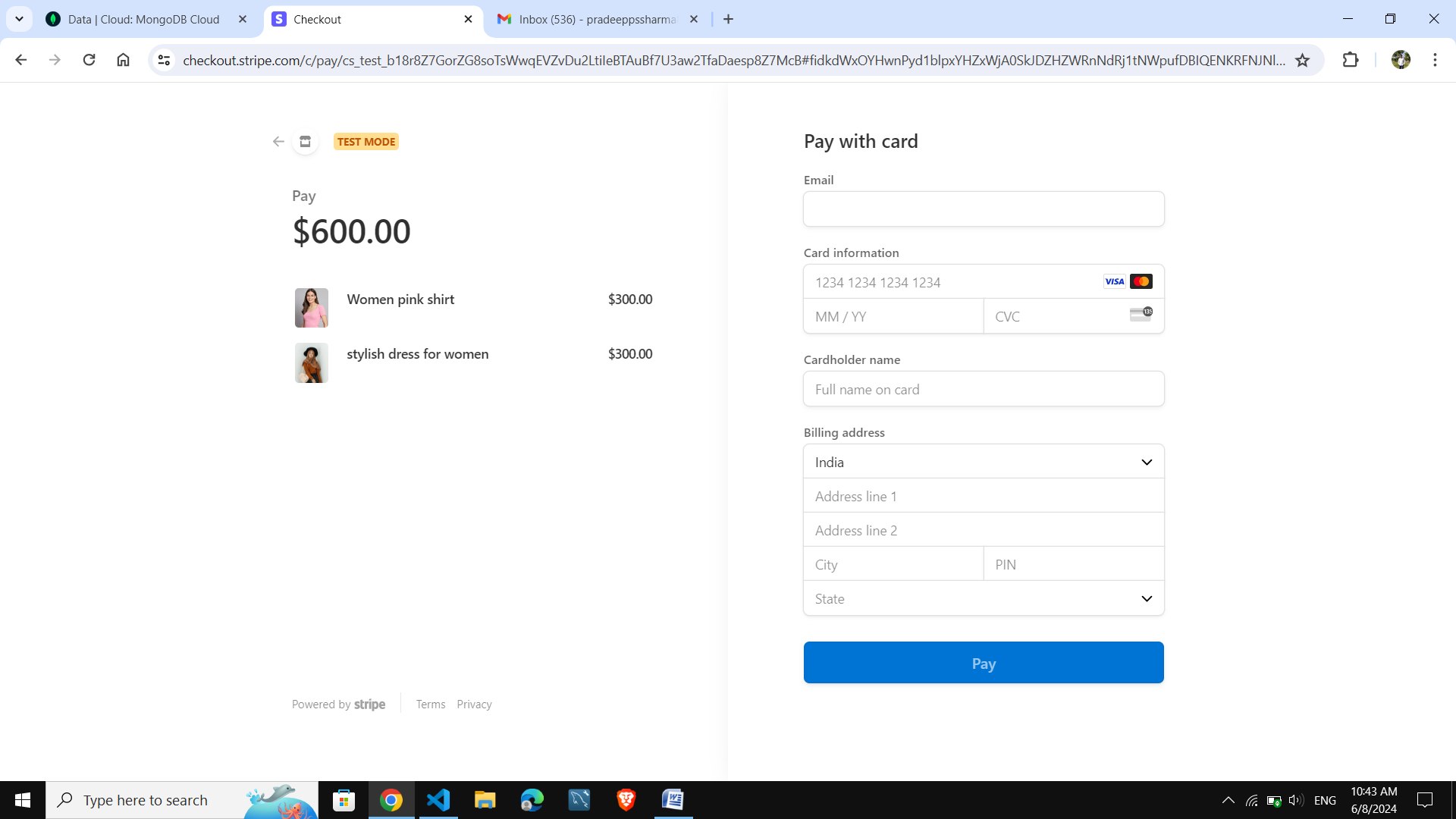
****

****

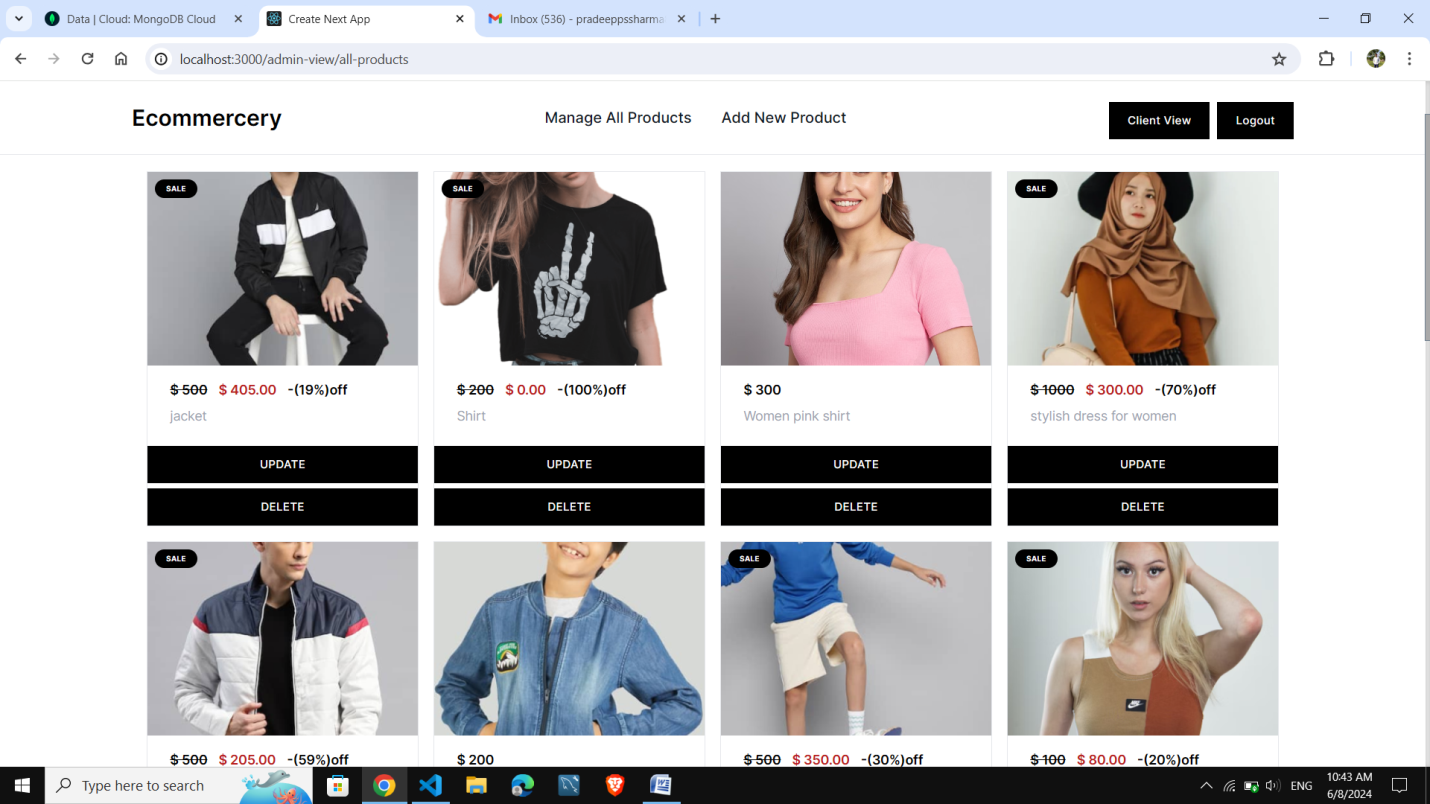
****

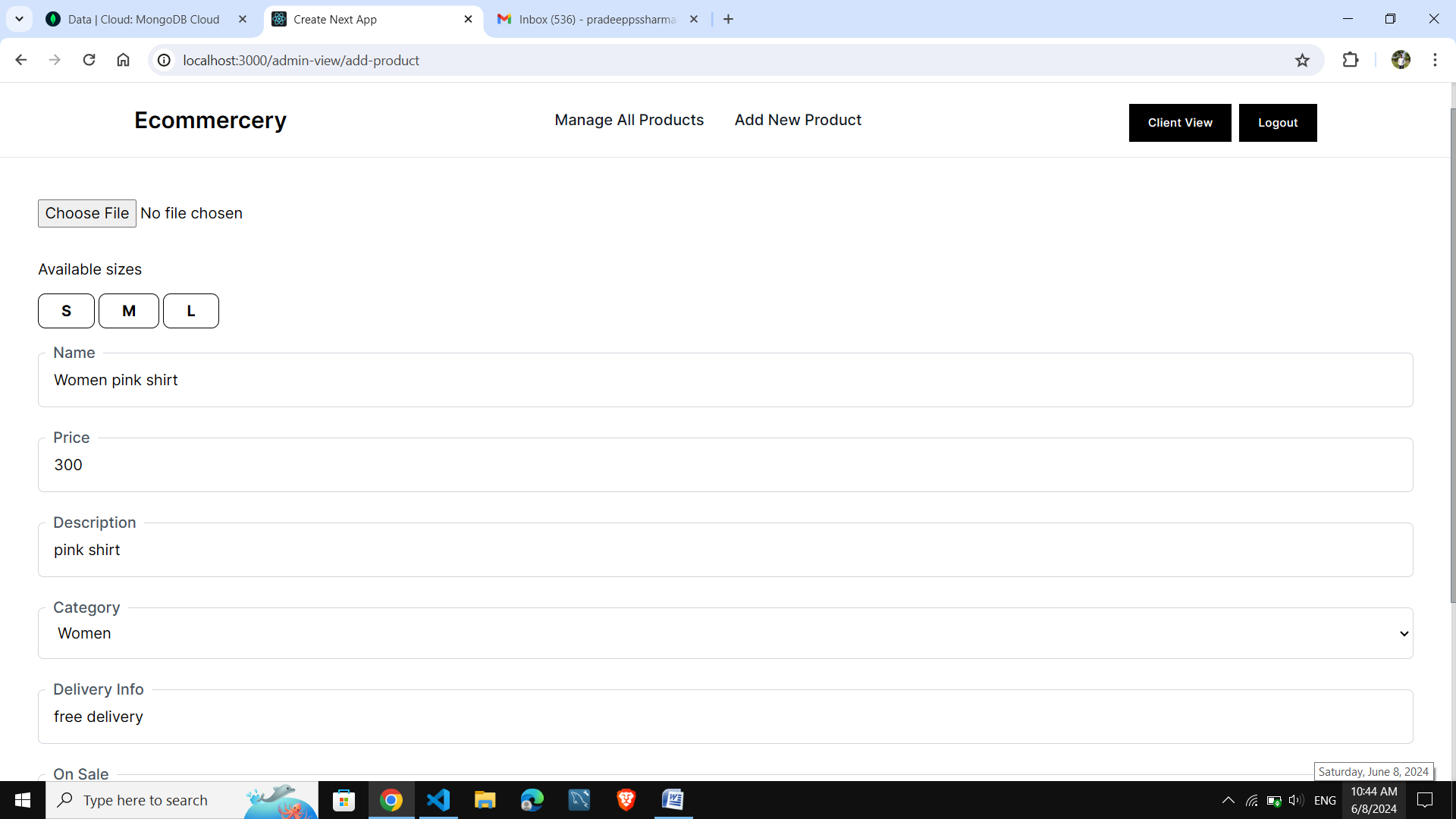
****

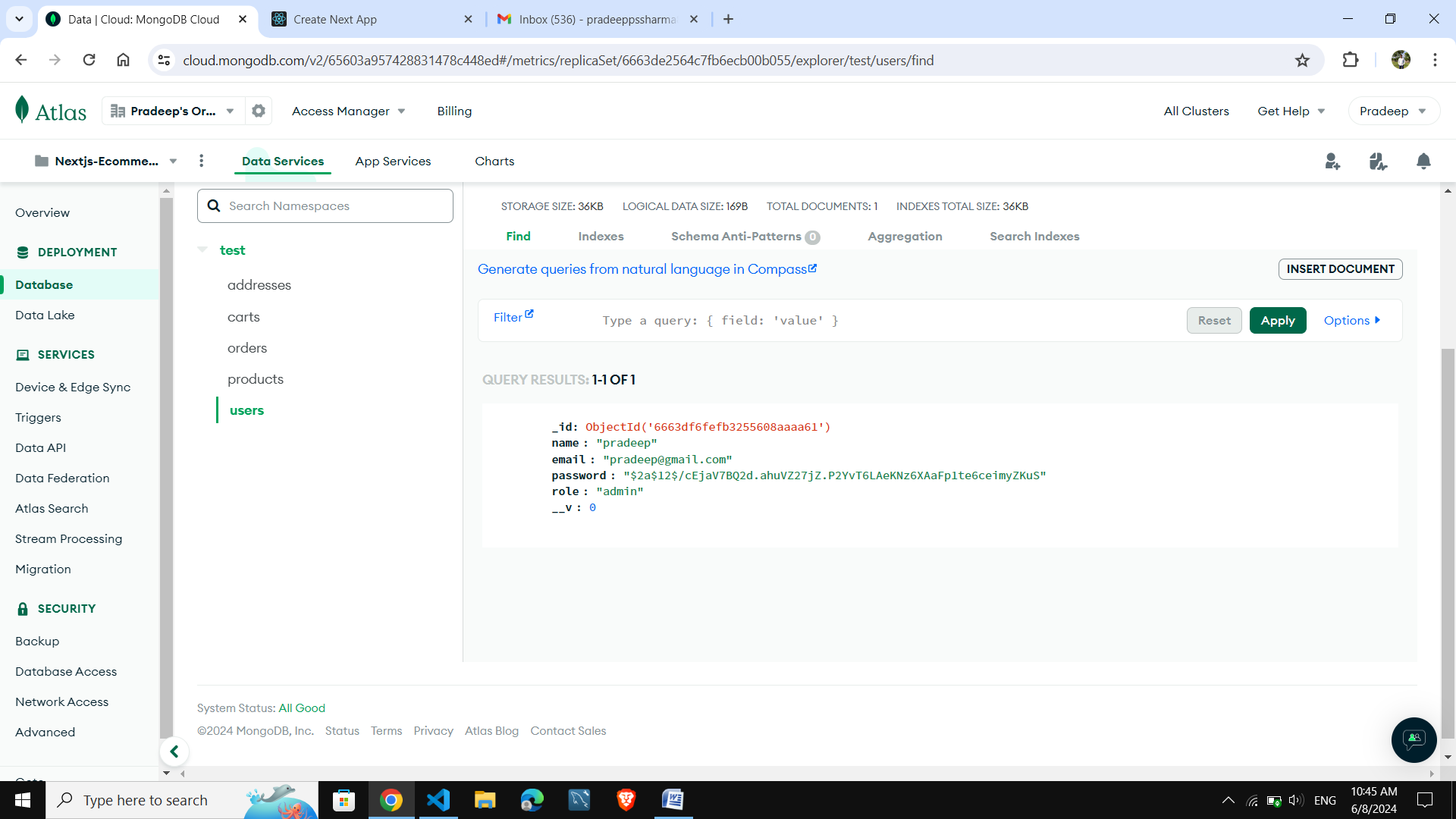
****

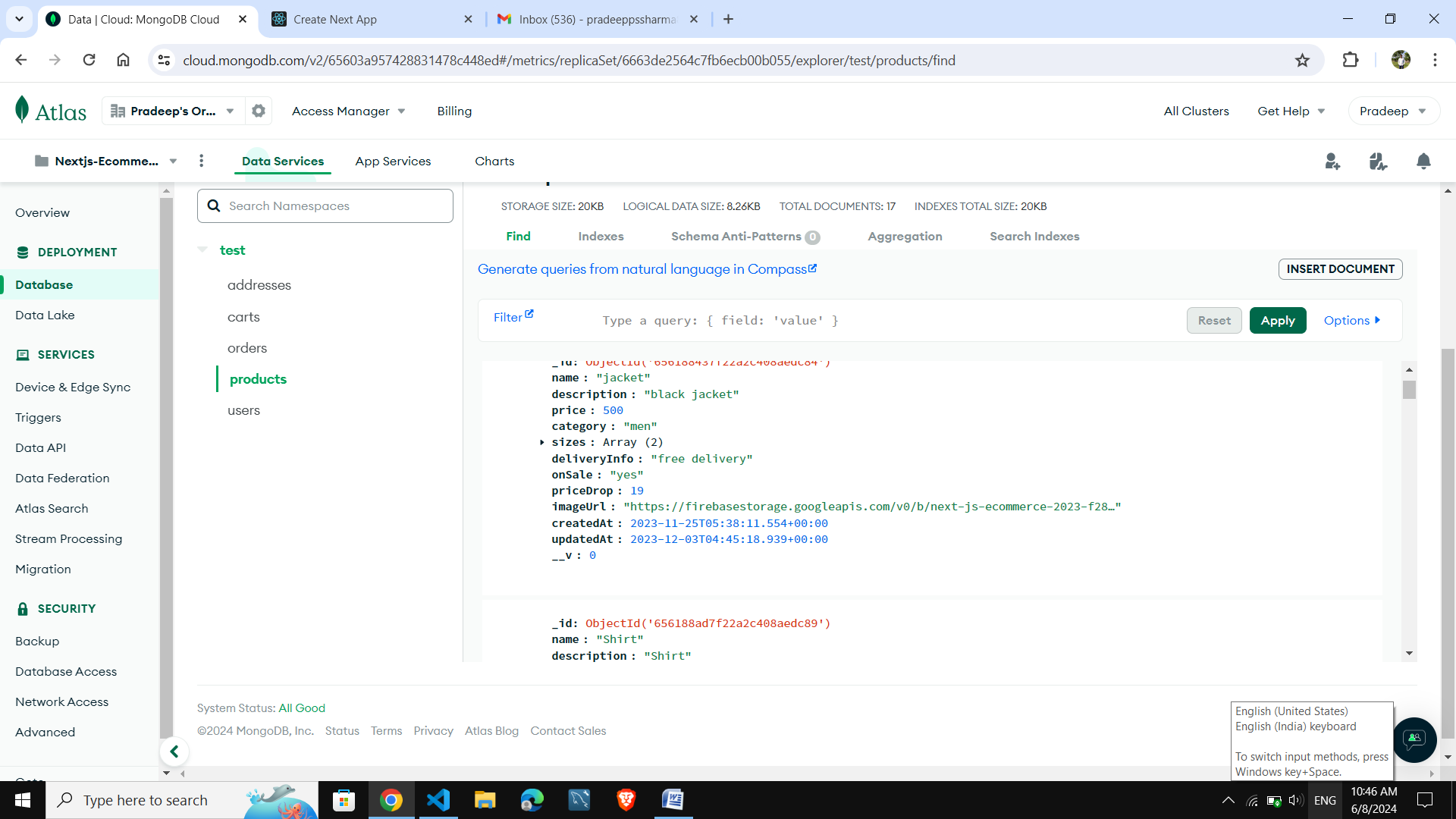
****

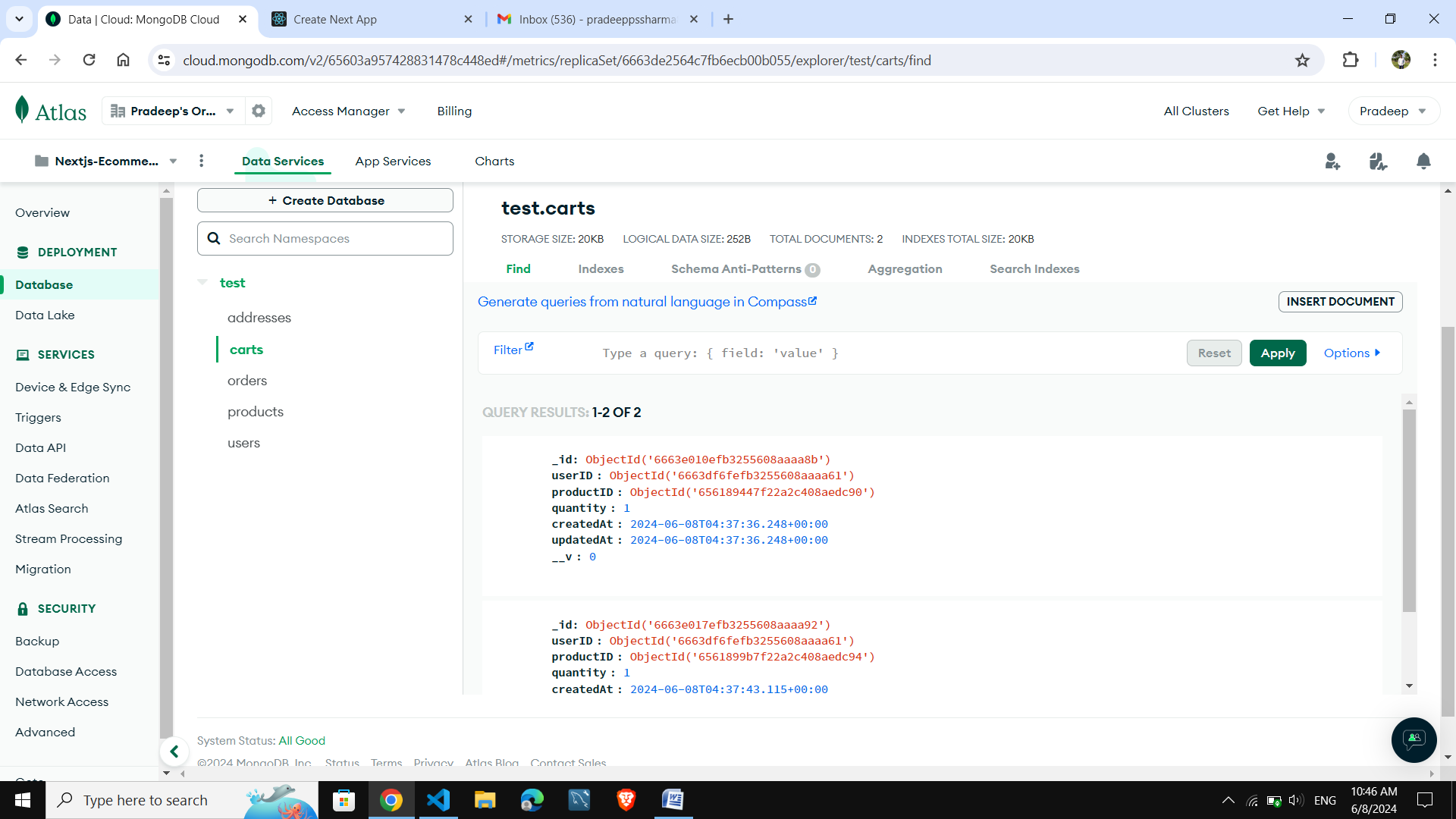
Admin page

****

****

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****

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