MongoDB Report

Explicación breve del caso de uso elegido

Se diseñó un sistema de reservas de citas para un negocio. MongoDB almacena usuarios, servicios y

citas usando documentos con estructuras flexibles.

Descripción de las colecciones

- users: datos de clientes con campos anidados y listas.
- services: servicios ofrecidos con precio y duración.
- appointments: citas que referencian usuarios y servicios.

Ejemplos de documentos

{ "name": "Carlos", "email": "carlos@example.com", "visits":[{"date":"2025-01-10","service":"corte"}] }

{ "name": "Corte de Cabello", "duration":30, "price":20000 }

{ "user_id": "...", "service_id":"...", "date":"2025-02-01", "status":"confirmada" }

Consultas relevantes

db.users.find()

db.appointments.find({ user_id: ObjectId('...') })

```
db.appointments.updateOne({ _id:ObjectId('...') },{ $set:{ status:'completada'} })
```

```
_id: ObjectId('692e03095c6e8822222d2d79')
```

```
_id: ObjectId('692e03095c6e8822222d2d7a')
use("tamagotchi_db") : "// db"
```

```
_id: ObjectId('692e03095c6e8822222d2d7b')
```

```
_id: ObjectId('692e03095c6e8822222d2d7c')
use("tamagotchi_db") : "// create collections"
```

```
_id: ObjectId('692e03095c6e8822222d2d7d')
use("tamagotchi_db") : "db.createCollection("users")"
```

```
_id: ObjectId('692e03095c6e8822222d2d7e')
use("tamagotchi_db") : "db.createCollection("pets")"
```

```
_id: ObjectId('692e03095c6e8822222d2d7f')
use("tamagotchi_db") : "db.createCollection("pet_logs")"
```

```
_id: ObjectId('692e03095c6e8822222d2d80')
```

```
_id: ObjectId('692e03095c6e8822222d2d81')
use("tamagotchi_db") : "// show collections"
```

_id: ObjectId('692e03095c6e8822222d2d79')

_id: ObjectId('692e03095c6e8822222d2d7a')
use("tamagotchi_db") : "// db"

_id: ObjectId('692e03095c6e8822222d2d7b')

_id: ObjectId('692e03095c6e8822222d2d7c')
use("tamagotchi_db") : "// create collections"

_id: ObjectId('692e03095c6e8822222d2d7d')
use("tamagotchi_db") : "db.createCollection("users")"

_id: ObjectId('692e03095c6e8822222d2d7e')
use("tamagotchi_db") : "db.createCollection("pets")"

_id: ObjectId('692e03095c6e8822222d2d7f')
use("tamagotchi_db") : "db.createCollection("pet_logs")"

_id: ObjectId('692e03095c6e8822222d2d80')

_id: ObjectId('692e03095c6e8822222d2d81')
use("tamagotchi_db") : "// show collections"

_id: ObjectId('692e03095c6e8822222d2d8a')
use("tamagotchi_db") : " {"

_id: ObjectId('692e03095c6e8822222d2d8b')
use("tamagotchi_db") : "   full_name: "Miguel Rojas","

_id: ObjectId('692e03095c6e8822222d2d8c')
use("tamagotchi_db") : "   email: "miguel.rojas@example.com","

_id: ObjectId('692e03095c6e8822222d2d8d')
use("tamagotchi_db") : "   created_at: new Date(),"

_id: ObjectId('692e03095c6e8822222d2d8e')
use("tamagotchi_db") : " },"

_id: ObjectId('692e03095c6e8822222d2d8f')
use("tamagotchi_db") : " {"

_id: ObjectId('692e03095c6e8822222d2d90')
use("tamagotchi_db") : "   full_name: "Sofía Martínez","

_id: ObjectId('692e03095c6e8822222d2d91')
use("tamagotchi_db") : "   email: "sofia.martinez@example.com","