

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('692e03095c6e882222d2d79')
```

```
_id: ObjectId('692e03095c6e882222d2d7a')  
use("tamagotchi_db") : "// db"
```

```
_id: ObjectId('692e03095c6e882222d2d7b')
```

```
_id: ObjectId('692e03095c6e882222d2d7c')  
use("tamagotchi_db") : "// create collections"
```

```
_id: ObjectId('692e03095c6e882222d2d7d')  
use("tamagotchi_db") : "db.createCollection("users")"
```

```
_id: ObjectId('692e03095c6e882222d2d7e')  
use("tamagotchi_db") : "db.createCollection("pets")"
```

```
_id: ObjectId('692e03095c6e882222d2d7f')  
use("tamagotchi_db") : "db.createCollection("pet_logs")"
```

```
_id: ObjectId('692e03095c6e882222d2d80')
```

```
_id: ObjectId('692e03095c6e882222d2d81')  
use("tamagotchi_db") : "// show collections"
```

```
_id: ObjectId('692e03095c6e882222d2d79')
```

```
_id: ObjectId('692e03095c6e882222d2d7a')  
use("tamagotchi_db") : "// db"
```

```
_id: ObjectId('692e03095c6e882222d2d7b')
```

```
_id: ObjectId('692e03095c6e882222d2d7c')  
use("tamagotchi_db") : "// create collections"
```

```
_id: ObjectId('692e03095c6e882222d2d7d')  
use("tamagotchi_db") : "db.createCollection("users")"
```

```
_id: ObjectId('692e03095c6e882222d2d7e')  
use("tamagotchi_db") : "db.createCollection("pets")"
```

```
_id: ObjectId('692e03095c6e882222d2d7f')  
use("tamagotchi_db") : "db.createCollection("pet_logs")"
```

```
_id: ObjectId('692e03095c6e882222d2d80')
```

```
_id: ObjectId('692e03095c6e882222d2d81')  
use("tamagotchi_db") : "// show collections"
```

```
_id: ObjectId('692e03095c6e882222d2d8a')
use("tamagotchi_db") : "  {"
```

```
_id: ObjectId('692e03095c6e882222d2d8b')
use("tamagotchi_db") : "    full_name: "Miguel Rojas","
```

```
_id: ObjectId('692e03095c6e882222d2d8c')
use("tamagotchi_db") : "    email: "miguel.rojas@example.com","
```

```
_id: ObjectId('692e03095c6e882222d2d8d')
use("tamagotchi_db") : "    created_at: new Date(),"
```

```
_id: ObjectId('692e03095c6e882222d2d8e')
use("tamagotchi_db") : "  },"
```

```
_id: ObjectId('692e03095c6e882222d2d8f')
use("tamagotchi_db") : "  {"
```

```
_id: ObjectId('692e03095c6e882222d2d90')
use("tamagotchi_db") : "    full_name: "Sofía Martínez","
```

```
_id: ObjectId('692e03095c6e882222d2d91')
use("tamagotchi_db") : "    email: "sofia.martinez@example.com","
```