

# MongoDB Cheat Sheet & MERN Task Manager Setup

How to Run Locally:

## 1. Backend

- Save the backend code to server.js
- Run the following:

```
npm init -y
```

```
npm install express mongoose cors
```

```
node server.js
```

## 2. Frontend

- Inside client folder:

```
npx create-react-app .
```

```
npm install axios
```

- Replace src/App.js with the provided React code
  - Run with:
- ```
npm start
```

MongoDB Cheat Sheet (for a Frontend Developer)

## Basics

- Document: A JSON-like object (like a row)
- Collection: A group of documents (like a table)
- Schema: Structure rules for documents
- CRUD: Create, Read, Update, Delete

- ObjectId: Unique ID for each document

#### Common Commands (Mongo Shell / Mongoose)

```
db.tasks.find();           // Read all
```

```
db.tasks.insertOne({...}); // Create
```

```
db.tasks.updateOne({...}, {...}); // Update
```

```
db.tasks.deleteOne({...}); // Delete
```

This guide helps you build a full-stack MERN Task Manager and understand core MongoDB terms as a frontend developer.