

# Orders API README

## Orders API

A simple CRUD API for managing orders using Express, MongoDB, and Mongoose.

This backend allows creating, reading, updating, and deleting orders.

It also supports CORS and JSON payloads for easy integration with frontend frameworks like React.

### Technologies Used:

- Node.js & Express.js
- MongoDB & Mongoose
- CORS for cross-origin requests
- JSON request handling

### Features:

- Create a new order
- Read all orders
- Read a single order by ID
- Update an order by ID
- Delete an order by ID

### Installation:

#### 1. Clone the repository

```
git clone <repository-url>  
cd <repository-folder>
```

#### 2. Install dependencies

```
npm install
```

#### 3. Set up MongoDB

Make sure MongoDB is running locally or provide a connection string in `./config/mongoose-config.js`.

### API Endpoints:

#### Create Order

POST /orders

Body:

```
{  
  "customerName": "John Doe",  
  "product": "iPhone",  
  "quantity": 2,  
  "price": 50000  
}
```

Get All Orders

GET /orders

Get Single Order

GET /orders/:id

Update Order

PUT /orders/:id

Body:

```
{  
  "quantity": 3,  
  "price": 75000  
}
```

Delete Order

DELETE /orders/:id

Run the Server:

npm start

Server will run on: <http://localhost:3000>

Notes:

- Ensure MongoDB is running before starting the server.
- The API supports JSON payloads and CORS, so it can be directly consumed by frontend applications.
- Error handling included for invalid IDs and failed operations.