



A modern eCommerce platform built with the MERN stack and Material UI.

## Overview

- Dealistic is a full-stack MERN eCommerce web application where:
- Users can browse, search, and purchase products.
- Vendors can manage their own product catalog (add, edit, delete, update).
- Admins can manage users, products, and sales analytics.

It showcases modern full-stack development using React, Node.js, Express, MongoDB, Redux Toolkit, Tailwind CSS, and Material UI.

## Features

### User

Browse and search products

Add items to cart

Place and manage orders

JWT-based authentication

Responsive design (Material UI + Tailwind)

### Admin / Vendor

Manage products (Add, Edit, Delete)

Manage stock and pricing

View sales chart and orders

Change user roles (Admin/Vendor/User)

## Tech Stack

Layer	Technology
Frontend	React.js, Redux Toolkit, React Router, Material UI, Tailwind CSS
Backend	Node.js, Express.js
Database	MongoDB (Mongoose)
Auth	JWT (JSON Web Token)
State Management	Redux Toolkit
Notifications	React Hot Toast

## Installation

### 1 Clone Repository

```
git clone https://github.com/comrade-08/Dealistic.git
```

```
cd Dealistic
```

### 2 Install Dependencies

```
cd backend && npm install
```

```
cd ../frontend && npm install
```

### 3 Setup Environment Variables

Create a `.env` in the backend folder:

```
PORT=4000
```

```
MONGO_URI=mongodb://127.0.0.1:27017/dealistic
```

```
JWT_SECRET=fJ7xP9qR2tL8wVc
```

```
JWT_REFRESH_SECRET=nZ4bT1mY6rE0sKd
```

```
CLIENT_URL=http://localhost:5173
```

## Run Application

### # Backend

```
cd backend && npm start
```

### # Frontend

```
cd frontend && npm run dev
```

Visit  <http://localhost:5173>

## Folder Structure

Dealistic/

```
├── backend/
|   ├── controllers/
|   ├── middleware/
|   ├── models/
|   ├── routes/
|   ├── server.js
|   └── .env
├── frontend/
|   ├── src/
|   |   ├── api/
|   |   |   ├── assets/
|   |   |   ├── components/
|   |   |   ├── pages/
|   |   |   ├── store/
|   |   |   ├── styles/
|   |   |   ├── theme/
|   |   |   └── App.jsx
|   └── package.json
└── README.md
```

## Sample Admin Actions

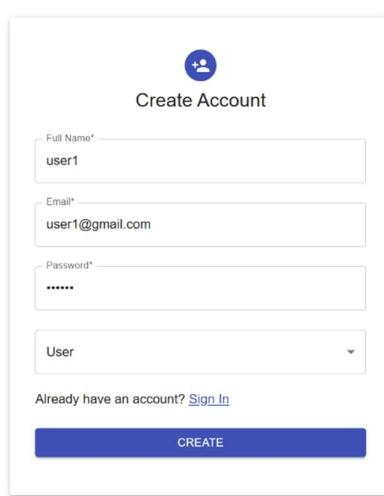
Layer	Technology
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## Key Learnings

- CRUD operations using MongoDB
- JWT Authentication
- Redux Toolkit state management
- Material UI + Tailwind for responsive UI
- RESTful API integration

## Output Screenshots

### Register Page

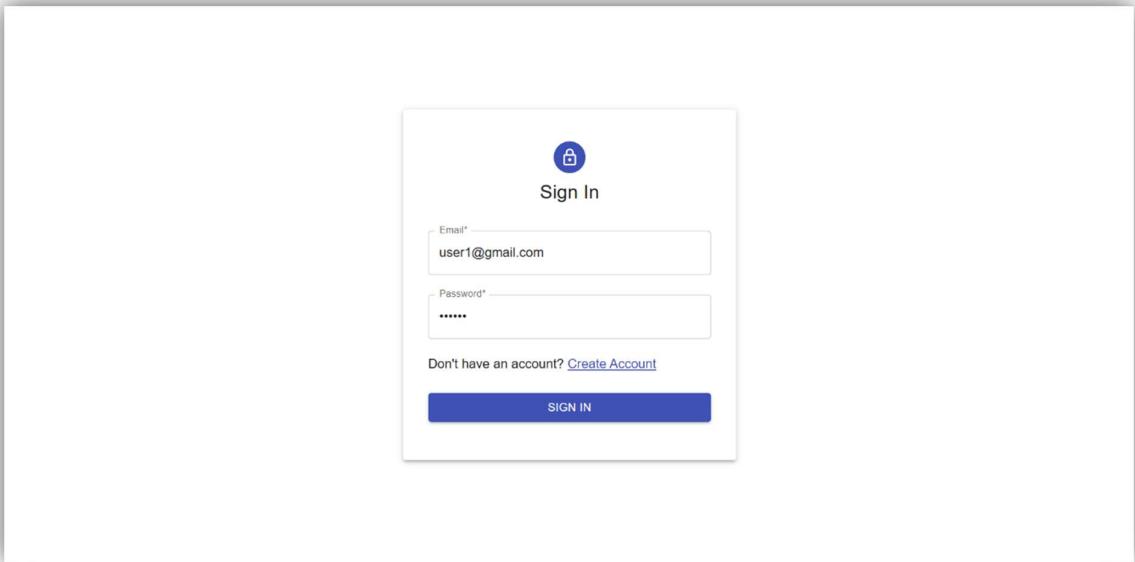


The screenshot shows a 'Create Account' form with the following fields:

- Full Name\*: user1
- Email\*: user1@gmail.com
- Password\*: [redacted]
- User: [dropdown menu showing 'User']

At the bottom left, it says "Already have an account? [Sign In](#)". At the bottom right is a large blue 'CREATE' button.

## Login Page



## User Dashboard

A screenshot of the User Dashboard for "Dealistic". The dashboard has a sidebar on the left with icons for "User", "Vendor", and "Admin". The main area is titled "Shop" and contains a search bar with "Search products...". Below the search bar are two product cards. The first card shows an iPhone 16 with the following details:

iPhone 16 128 GB: 5G  
Mobile Phone with Camera Control, A18 Chip and a Big Boost in Battery Life.  
Works with AirPods; Ultramarine

Brand Apple Operation System

₹66000 [ADD TO CART](#)

The second card shows a Samsung TV with the following details:

Samsung 138 cm (55 inches) Crystal 4K Vista Pro Ultra HD Smart LED TV UA55UE80AFUXXL

Screen Size 55 Inches Brand Samsung Display Technology LED Resolution 4K Refresh Rate 60Hz

₹38000 [ADD TO CART](#)

## Vendor Dashboard

The screenshot shows a vendor dashboard with a sidebar on the left containing 'User', 'Vendor', and 'Admin' options. The main area has a title 'Vendor Dashboard' and sections for 'Your Products' (with an 'ADD PRODUCT' button) and 'Quick Stats' (showing 2 products). A 'Products' table lists two items: an iPhone 16 and a Samsung TV. Below this is a 'Sales (Vendor)' section with a message 'No orders found for chart!'. The top right corner shows a 'Logout' and 'Vendor1' button.

Name	Price	Stock	Actions
iPhone 16 128 GB: 5G Mobile Phone with Camera Control, A18 Chip and a Big Boost in Battery Life. Works with AirPods; Ultramarine	₹66000	20	
Samsung 138 cm (55 inches) Crystal 4K Vista Pro Ultra HD Smart LED TV UA55UE86AFULXL	₹38000	12	

## Change the User Role to Admin in DB

```
_id: ObjectId('690696c33d29f0599bf81978')
name : "admin"
email : "admin@gmail.com"
password : "$2a$10$2yyaMINuGp2mh47hNSCw5uTPOLEnTdiQt35fiq7f5q5EFC06NTqKe"
role : "admin"
createdAt : 2025-11-01T23:24:51.788+00:00
updatedAt : 2025-11-01T23:24:51.788+00:00
__v : 0
```

## Admin Dashboard

The Admin Dashboard interface includes a sidebar with 'User', 'Vendor', and 'Admin' options. The main area displays summary statistics: Total Users (3), Total Products (2), and Total Orders (0). Below this are sections for 'Users' and 'Products'. The 'Users' section shows two entries: 'user1' (Email: user1@gmail.com, Role: user) and 'vendor1' (Email: vendor1@gmail.com, Role: vendor). The 'Products' section lists two items: 'iPhone 16 128 GB: 5G Mobile Phone with Camera Control, A18 Chip and a Big Boost in Battery Life. Works with AirPods, Ultramarine' (Price: ₹66000, Stock: 20, Vendor: vendor1) and 'Samsung 130 cm (55 inches) Crystal 4K Vista Pro Ultra HD Smart LED TV UA55UE66AFUXXL' (Price: ₹30000, Stock: 12, Vendor: vendor1). A 'Sales (monthly)' chart is present but shows no data.

## Add Product Modal

The 'Add Product' modal contains the following fields:

- Name\*: iPhone 16 128 GB: 5G Mobile Phone with Camera Control, A18 Chip and a Big Boost in Battery Life. Works with AirPods, Ultramarine
- Description\*: RAM Memory Installed Size 128 GB  
CPU Model A Series A10  
Memory Storage Capacity 128 GB
- Price\*: 66000
- Stock\*: 20
- Image URL: [https://m.media-amazon.com/images/I/712SuRmHG4L.\\_SX679\\_.jpg](https://m.media-amazon.com/images/I/712SuRmHG4L._SX679_.jpg)

At the bottom right are 'CANCEL' and 'SAVE' buttons.

## Update Product Modal

Edit Product

Name\*  
iPhone 16 128 GB: 5G Mobile Phone with Camera Control, A18 Chip and a Big Boost in Battery Life. Works with AirPods; Ultramarine

Price\*  
66000

Stock\*  
20

Description\*  
Brand Apple  
Operating System iOS  
RAM Memory Installed Size 128 GB

CANCEL SAVE

## Delete Product Modal

Delete Product

Are you sure you want to delete **iPhone 16 128 GB: 5G Mobile Phone with Camera Control, A18 Chip and a Big Boost in Battery Life. Works with AirPods; Ultramarine**? This action cannot be undone.

CANCEL DELETE

## Cart Page

Dealistic X

User Vendor Admin

### Shop

Search products...



iPhone 16 128 GB: 5G  
Mobile Phone with Camera Control, A18 Chip and a Big Boost in Battery Life. Works with AirPods; Ultramarine

Brand: Apple | Inspiration: Fashion

₹66000 Add To Cart



Samsung 138 cm (55 inches) Crystal 4K Vista Pro Ultra HD Smart LED TV UA55UE86AFULXL  
Screen Size 55 Inches Brand Samsung Display Technology LED Resolution 4K Refresh Rate 120Hz

₹38000 Add To Cart

Cart X

Samsung 138 cm (55 inches) Crystal 4K Vista Pro Ultra HD Smart LED TV UA55UE86AFULXL Qty: 1

iPhone 16 128 GB: 5G Mobile Phone with Camera Control, A18 Chip and a Big Boost in Battery Life. Works with AirPods; Ultramarine Qty: 1

Total ₹104000

PLACE ORDER CLEAR CART

## Orders Page

Dealistic X

User Vendor Admin

### My Orders

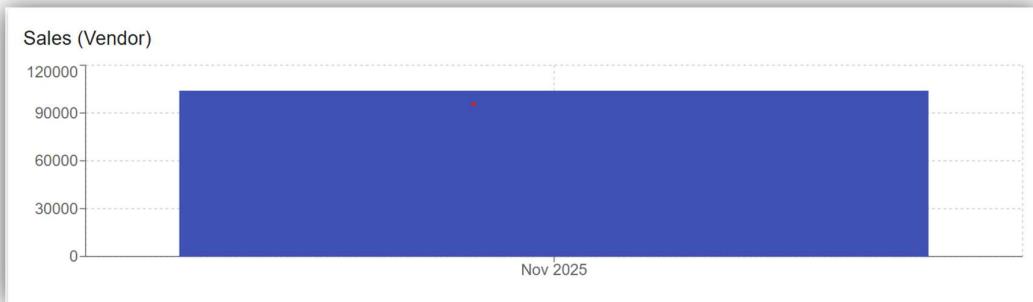
Order ID	User	Total	Status	Date
690697813d29f0599bf819ad	admin	₹104000	Pending	11/2/2025, 4:58:01 AM

## Sales Chart

Admin



## Vendor



## Theme

Dealistic X

User   Vendor   Admin

### Shop

Search products...

iPhone 16 128 GB: 5G Mobile Phone with Camera Control, A18 Chip and a Big Boost in Battery Life. Works with AirPods; Ultramarine

₹66000 ADD TO CART

Samsung 138 cm (55 inches) Crystal 4K Vista Pro Ultra HD Smart LED TV UA55UE86AFULXZ

Screen Size 55 Inches Brand Samsung Display Technology LED Resolution 4K Refresh Rate 60Hz

₹38000 ADD TO CART

Admin Area. Operating System

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