# WOODEX Project Documentation

### [Figma design](https://www.figma.com/design/orILeOxbNjuPV33e47KXg9/Untitled?node-id=0-1&t=NiVVK8grAnvuvbj7-1) [github link](https://github.com/alirafatartist/ng-E-Commerce) [project link](file:///D:\design%20&%20presentatioin\e-commerce-one-opal.vercel.app\)

## 1. Project Overview

WOODEX is a front-end solution tailored for the woodworking and timber industry. It connects with external APIs to manage inventory, orders, and logistics efficiently, without requiring backend or database management. WOODEX ensures seamless integration with existing systems and provides a user-friendly interface.

## 2. Features

### 2.1 Inventory Management

- Real-time tracking of inventory through API integration.

- Low inventory alerts for proactive restocking.

### 2.2 Order Management

- View and manage customer orders fetched via APIs.

- Track order status in real-time.

### 2.3 Logistics and Delivery

- Real-time delivery tracking through API integration.

- Notifications for delivery updates.

### 2.4 Reporting and Analytics

- API-driven dashboards for sales and inventory insights.

- Export reports in multiple formats (PDF, CSV) .

### 2.5 loign security

- Save the information .

## 3. User Roles

- \*\*Administrators\*\*: Configure and manage the application.

- \*\*Production Managers\*\*: Oversee production data fetched via APIs.

- \*\*Warehouse Staff\*\*: View and update stock levels through API calls.

- \*\*Clients\*\*: Access order and delivery details via the customer portal.

## 4. Technical Details

WOODEX is a front-end-only application built using Angular. It leverages APIs for all backend functionalities, including inventory management, order processing, and logistics tracking.

### 4.1 Frontend

- Built with Angular framework for a dynamic and responsive interface.

- Styled with Bootstrap for a modern look and feel.

### 4.2 API Integration

- RESTful APIs provide all data and operations required by the app.

- Authentication via API keys or OAuth 2.0.

## 5. Development Process

### 5.1 Methodology

Agile methodology with sprints of two weeks.

### 5.2 Tools

- \*\*Code Management\*\*: Git and GitHub.

- \*\*Task Tracking\*\*: ~~Jira~~.

## 6. Deployment

WOODEX is deployed as a static front-end application. It communicates with APIs hosted on external servers, ensuring minimal infrastructure requirements.