

AK-Express-App

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A Full-Stack Delivery Management Platform

Angular frontend | Node.js/Express + MongoDB backend

Table of Contents

1. Overview
2. Features
3. Technologies Used
4. Installation
5. Usage
6. API Endpoints

Overview

AK-Express-App is a delivery management system designed to streamline order creation, assignment, and tracking for vendors, admins, and delivery agents.

The project consists of:

- Frontend: Angular for a responsive, dynamic UI
- Backend: Node.js, Express, and MongoDB, exposing secure RESTful APIs

Features

- User authentication (Register/Login)
- Role-based access (Admin, Vendor, Delivery Agent)
- Order creation and assignment
- Delivery agent management

- Order status updates and real-time tracking
- Secure API using JWT authentication

Technologies Used

Frontend:

- Angular 19
- Bootstrap 5
- RxJS

Backend:

- Node.js
- Express.js
- MongoDB (Mongoose)
- JWT for authentication
- bcryptjs for password hashing
- dotenv for environment configuration

Installation

Prerequisites:

- Node.js (v18+ recommended)
- npm
- MongoDB

Backend Setup:

cd backend

npm install

npm start

Frontend Setup:

cd frontend

npm install ng

serve

Usage

1. Register and log in.
2. Vendors/Admins: Create and assign orders.
3. Delivery agents: View and update assigned orders.
4. All endpoints require JWT-based authentication.

API Endpoints

Auth Routes:

- POST /api/auth/register - Register a new user
- POST /api/auth/login - Log in

Delivery Routes:

- POST /api/delivery/create - Create a new order (Vendor/Admin)
- GET /api/delivery/all - Get all orders (Vendor/Admin)
- GET /api/delivery/agents/all - List all delivery agents (Vendor/Admin)
- PUT /api/delivery/assign - Assign an order (Admin only)

- GET /api/delivery/my-orders/:userId - Get orders for a delivery agent- PUT /api/delivery/status - Update order status (DeliveryAgent)

All endpoints require a valid JWT token and appropriate user role.