

Software Requirements Specification (SRS): Wholesale Delivery Management App

1. Introduction

The Wholesale Delivery Management App is designed to facilitate the efficient distribution of goods from wholesalers to retail vendors. It enables truck drivers to manage orders and track vendor-related information. The system is accessible by Admin and Truck Drivers (TD).

2. User Roles

- **Admin:** Responsible for system management and configuration.
- **Truck Drivers (TD):** Responsible for order management and delivery.

3. User Flow

3.1. Truck Driver (TD) Workflow

1. **Login:** TDs can log in using their mobile number and password.
2. **Choose Vendor:** TDs can select a vendor from a list.
3. **Create New Bill:** TDs can add products to a cart with quantities and finalise the order.

4. Backend Modules (REST API/GraphQL)

4.1. Admin Management

- **Admin Registration:** Admin can register and access the system.

4.2. Truck Driver Management

- **Create, Read, Update, Delete (CRUD):** Admin can manage Truck Driver profiles, including name, mobile number, address, and driving licence details.

4.3. Vendor Management

- **Create, Read, Update, Delete (CRUD):** Admin can manage Vendor profiles, including name, location, contact information, email.

4.4. Products Inventory Management

- **Create, Read, Update, Delete (CRUD):** Admin can manage the product inventory, including product name, price, category, and image.

4.5. Orders Management

- **Create, Read:** Admin and TDs can manage orders. Each order contains:
 - Products: A list of products in the order.
 - Truck Driver: Foreign key of truck driver.
 - Vendor details: Foreign key of vendor.
 - Total bill amount.
 - Collected amount.

5. General Features

1. Input Validation: Ensure robust input validation for all updates and create methods to prevent data errors and security vulnerabilities.

2. Nested Objects: When fetching records, the system should return nested objects where applicable. For example, when fetching products, include the category object instead of just the category ID.

Deliverables

- **Backend API Code:** Send us the link to your git repository where you have posted your code, along with a postman collection.

NB: Feel free to ask question at hr@araigen.com