Software Requirements Specification (SRS)

For

1XPRESS LTD

Project Type: Web Application Development

Prepared By:

Project Started: ………../………../……………..

Project Deadline: ………/………/……………..

Authority Signature	Client Authority Signature	Team Leader Signature

Project Overview

Develop a modern, accessible, high scalable & smooth web based platform which includes Documents, Parcel & Ecommerce services with different users and administration roles.

Project Scope

Infrastructure:

1. **Database**: Design & develop a database to support administration and user experience of the software or other platform.

2. **API**: Design RESTFULL API for consumption in web and mobile or others applications.

3. **Integration**: Ensure usage of modern technologies for forwarding compatibility.

4. **Deployment:** Deploy on high-performance server infrastructure for smooth operation.

Technology Stack

Server Side Technologies

- ✓ **Runtime**: Node.js
- ✓ **Web Server**: Nginx
- ✓ **Containerization software**: Docker
- ✓ **Web application framework**: Express.js

Database:

- ✓ **Engine**: MongoDB

Client-Side Technology:

- ✓ **Front-end library**: React.js
- ✓ **React UI tools**: Mui
- ✓ **State Management:** Context or Redux

Web Services

- ✓ SMS Service, OTP Service, Google Analytics, etc……

Brief overview of the Technology

Nodejs is the server of choice for high traffic, active and scalable web application platforms. It is used by big names like PayPal, Netflix, Walmart, Uber and other Fortune 500 companies.

NGINX is open source software for web serving, reverse proxying, caching, load balancing, media streaming, and more. It started out as a web server designed for maximum performance and stability.

Docker is a software platform that allows you to build, test, and deploy applications quickly.

MongoDB is a high performance and high-availability NoSQL database for large applications.

React.js is a Facebook-developed library for building highly interactive websites and applications. Next.js is a production-ready framework for building Search Engine friendly websites using React.

MUI is a massive library of UI components designers and developers can use to build React applications.

Target Operating System & Platforms

S/N	Application	Operating System	Description
1	iExpress	Windows, Mac, Linux	Evergreen browsers.

Project Functional Requirements (Existing System)

Dashboard Information
- On process info
- Delivered info
- Return info
- On process info(ecommerce)
- Return info(ecommerce)
- Total Client Infi
- Total Branch Info
- Total User Info
- Sale Order chart

POD Manager
- POD List
- Add New POD
- Report
- Print POD
- Report Chart
- Upload POD Proof
- Client Report

Tracking
- Tracking Shipment
- Tracking Update
- Quick Track Update
- Sheet Management
- Mail Sheet List
- Sheet Tracking
- Delivery sheet Update
- Sprinter Commission Report
- Generate Outgoing Sheet

Data Entry Report

e-Commerce
- Add New
- Update e-Collection
- e-Orders
- Report e-Client
- e-Client Payment
- Web order (API)

Scanned POD

Change Password

E-commerce client

Billing Manager
- Add New Bill
- Billing List
- Billing Report

Settings
- Site Settings
- Employee Setup
- Branch Manager
- Rate Setup
- Client Management
- Delivery Area Setup
- Return Cause Generate
- Document Type setup
- SMS Template
- Create Relation
- Zone Setup
- Tracking Status
- Location Management
- Transport Management

CN
- Create CN Number
- CN Book Distribution
- CN Book Report
- CN POD Upload

Administrators
- Manage user
- User Type
- Menu Setup

Log
- System info and error log

Some relevant features will be newly added and some features will be modified as per client's requirements.