Courier Management System

Software Requirement Specification

Version 1.5.1

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Brief overview of the technology

Front end: React,Mui,Context API
- **React**: React is a JavaScript library for building user interfaces
- **Mui:** MUI is a massive library of UI components designers and developers can use to build React applications.
- **Context API**: Context is designed to share data that can be considered "global" for a tree of React components

Back end: Node.js,Express.js
- **Node.js:** Node. js (Node) is an open source development platform for executing JavaScript code server-side
- **Express.js:** Express is a node js web application framework that provides broad features for building web applications.

Database: MongoDB
- **MongoDB:** MongoDB is an open source NoSQL database management program

Brief overview of the development and production

Last Release Version: 1.5.1

Development Environment
- Install node.js version 16
- Install MongoDB
- Any Browser
- VS Code Editor

Production Environment
1. Minumum 4GB Linux Machine(Ubuntu 20X)
2. Mongodb Databse Service
3. Node.js 16 +
4. Nginx Web Server
5. PM2

Installation And Run Steps
Should follow of release version branch

```
Backend:
using SSH:
$ git clone
git@gitlab.com:starit-web-developers/nodejs/janani_express_and_parcel_servi
ce_api.git
$ cd Janani_express_and_parcel_service_api
$ npm install   or npm install -f
Configure app
Open Janani_express_and_parcel_service_api/
.env then You will need:
PORT =
MONGO_URI_PROD =
MONGO_URI_DEV =
JWT_SECRET =
JWT_EXPIRE_LOGIN =


Run the server with nodemon
$ npm run dev
Run the server
$ npm start

Frontend:
using SSH:
$ git clone
git@gitlab.com:starit-web-developers/reactjs/janani_express_admin_panel_new
.git
$ cd janani_express_admin_panel_new
$ npm install   or npm install -f
$ npm start
```

Introduction

A Courier management system (software) project is a web-based platform.
The manager/booking officer can use this software to enter the details of the customer and goods along with the source and destination points. The details of loading the goods into the physical transport system are also recorded by the system. The system has GUI for the users to manage not only daily transactions but also to keep the historical data in the database for future

reference.The other user of the system is administrator who can manage the vehicles information as well as employees' information, parcel information, load unload information. He can also create new branches based on branch requests and create transport so that delivery happens at the customer's nearest point. also it provides the management reports like booking loading unloading stock delivery call sheet topsheet etc reports.

Objective

This project deals with the 'Courier management'. The system is used for daily activities such as booking, loading, unloading delivery, status check, and managing branches. It is very difficult to do this process manually. Hence using this software easily manages related courier services.

Features of the Project

Authentication Module
- Role Create, Update
- Permission
- Users Create Update,
- User Active Deactive

Customer Module
- Customer List
- Customer Report

Branch Module
- Multiple   Branch Create,upadte,delete
- Branch Active Deactive

Hub Module
- Multiple   Hub Create,upadte,delete
- Hub Active Deactive

Parcel CN Controller
- Parcel CN Create, List

Money CN Controller
- Money CN Create, List

TT Approvel Module
- TT Approval List
- TT Approve

CT Approvel Module
- CT Approval List

- CT Approve

Booking Module
- Parcel Booking
- Money Bookiing
- CT Booking

Load Module
- Load Create
- Parcel Upload

Unload Module
- Unload Create
- Parcel Unload

Transport Module:
- Transport Create Update,
- Transport Active Deactive
- Transport Status

Branch Employee Modeul
- Branch employee create,update
- Active, Deactivate

Time Setting
- Parcel Booking Time Start and End Setting
- Parcel Delivery Time Start and End Setting
- TT Booking Time Start and End Setting

Booking Report
- Parcel Booking Report
- Condtion Booking Report
- TT Booking Report
- CT Booking Report

Incomming Report
- Parcel Incomming Report
- Condtion Incomming Report

Delivered Report
- Parcel Delivered Report
- Condtion Delivered Report
- TT Delivered Report
- CT Delivered Report

Return Report
- Parcel Return Report

- Condtion Return Report

Main Report
- Call Sheet
- Call Sheet Details
- Monthly Top Sheet

Actors /Users of the System
1. Super Admin
2. Admin
3. MD
4. Branch Manager
5. Booking Officer
6. Delivery Officer