Shiva Exports Ltd
Logistics Management System
System Implementation I

T07
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Team

Back-End Developers:

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- Ian Miranda

Full-Stack Developer:

- Sergio Lombana

Front-End Developers:

- Veronyque Lemieux

- Saad Khan

Project Overview

Logistics Management for Shiva Exports Ltd.

- Track inventory

- Plan delivery/pickup routes

- Provide overview of planned routes

Technologies

Front-End:

- Angular 8

- Angular Material Library

- Open Maps API

Back-End:

- Express

- MySQL

Map

System will allow user to:

-   View locations on the map where a route is currently planned

-   User can toggle routes currently stored in database to be viewed

Assets

System will allow user to:

- Add an asset into the inventory

- View, update, or delete all assets in inventory

- Import assets into the system through a CSV file

Routes

System will allow user to:

- Create a new route for the truck

- Add stops to the route

- Update, view, and delete existing routes

Stops

System will allow user to:

- Create a new Stop

- Update, view, and delete existing Stops

- Add/remove assets to a stop

Truck List

System will allow user to:

- View assets and their positions on the truck at a given stop in a route

- Export lists in Excel sheets

DEMO

Next Milestones & Tasks

Front-End:

- Fix table filters and scrolling

- Add crud operation notifications for routes

- Finalize page designs

- Finish form validations

- Finish import assets page

- Display routes using Open Maps and Open Route Service API

- Display/update route distance in truck list using Open Route Service API

Next Milestones & Tasks

Back-End:

- Populate truck list page

- Finalize data models, logs, and database

- Complete validation on all entries

Full-Stack:

- Export truck lists in excel sheets

General:

- Test

- Deploy

Risks

- **Deployment -> AWS**

- **DB Connections -> Pool vs Closing Connections**