



Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2021

Project Charter

Title of the Project:	Cargo Delivery System – “VISION CARGO”
Batch:	Weekday - Batch 1 – Group 13
Development Technology:	Front End – React Js Back End – Node Js/ Express Js Database – Mongo DB

Description of the Project:

“Vision cargo” is a cargo system which located in Korea that doing a door-to-door cargo system. “Unique Importers” is the company in Sri Lanka that delivers the cargos island wide that is shipped by the Korean company. Furthermore, there is a showroom for the Sri Lankan buyers that sells imported goods from Korea as a side business running by these two companies.

Vision Cargo company partnership with Unique Importers Company is doing the cargo delivery service throughout the country which have high demand, a significant customer base and reputation.

The people who live in Korea use the system to ship their goods to Sri Lanka. Two owners of the two companies require a software system to manipulate their resources and the procedure in a very efficient manner and connect them to maximize profits for them. It indicates that the following requirements should be met through the system.

All the customers in Korea who wish to access the service must register into the system and all the basic details will be recorded during the registration process and will create a customer profile. The customer can self-register through the form that provided by the relevant web application. The registered customer details will handle by the system operator who works in Vision Cargo warehouse. Once the customer is registered, they can log in to the system using valid login credentials.

The customers who are in Korea must fill the relevant form including the relevant details about the goods that they wish to send Sri Lanka. Once they submit their form the delivery service that provide by the Vision Cargo company collects the items and store them in the Warehouse that located in Korea for calculation of the approximate cost, weight, ... Etc.

The warehouse operator in Vision Cargo Company categorizes the goods and calculate the payment and send the payment details and a brief report to the relevant customer. All the details must be recorded in the company database by the warehouse operator. The shipping will be done only after the customer make the necessary payments.

Once the cargos reach Sri Lanka the Unique importer company’s warehouse operator will clear the cargos from the custom and store them in the warehouse. The Unique Importers warehouse operator will update the database of the receiver in Sri Lanka by adding the additional tax,



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clearing costs and delivery chargers. The final report of payment will be prepared by the warehouse operator and send it to the receiver, and at the same time delivery address and the relevant details will send to a driver to do the delivery process. The receiver can do the payment via online or cash on delivery.

After the driver delivers the goods to the correct address the driver must update the system and the customers should be able to contact the support center and have a quick conversation with them whenever they need. Also, customers can leave feedbacks about the service and can make refunds through the system as well. All the details should be able to maintain and recorded.

The company needs to manage its finance better and in a very efficient manner with using modern graphical notations which are showing budget forecast, monthly expenditures and salary calculations of the employees. Finance manager should be able to calculate profit and loss and maintain a money book and should have capability of entering daily incomes and outcomes easier. And, at the end of the month finance manager must generate a final report of the profit and should send to the owners for further clarifications.

Details of the Group Members: *(Provide the details of the group leader in the first row)*

	Name with Initials	Registration Number	Contact Phone Number	Email
1.	Rathnayake R.M.T.D	IT20138486	774947287	it20138486@my.sliit.lk
2.	Arachchi A.G.S.C	IT20135898	704110950	it20135898@my.sliit.lk
3.	Ekanayake J.S.M.R.N.W.I.U	IT20252236	765543108	it20252236@my.sliit.lk
4.	Fernando R.R.M	IT20133986	767618036	it20133986@my.sliit.lk
5.	Kollure K.A.D.D	IT20135270	703925564	it20135270@my.sliit.lk
6.	Withanage W.D.U.I	IT20202736	766404566	it20202736@my.sliit.lk
7.	De Silva W.P.S	IT20905040	714372691	it20905040@my.sliit.lk
8.	Samarawickrama T.J.P	IT20135034	767223412	it20135034@my.sliit.lk



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List of Functions Developed by the Group Members:

	Name with Initials	Brief Description of the Function
1.	Rathnayake R.M.T.D	Shop Management Manage shop inventory stock levels accurately, keep records of the stocks, verification of the stocks. The customer can buy the products, cancel the orders (delete), update the delivery details. Generate a report about ordering details and send to the customer.
2.	Arachchi A.G.S.C	Store Management Add goods details and customer details to the system. Update the relevant details of the goods and the customers after categorizing them. Send a confirmation mail to all the customer who access the service. Calculate the total payment and send the report to the customer.
3.	Ekanayake J.S.M.R.N.W.I.U	Distribution Management Manage the stock and fill the form with relevant details. Calculate tax, clearing cost and delivery charges. Update the tax rate when it is changed. Update the driver with the relevant destination address. Send the overall report of payment to the receiver in Sri Lanka.
4.	Fernando R.R.M	Delivery Management Manage all tasks related to goods delivery. Assign drivers and updating the delivery status when it is changed. Generate a report with the delivery details.
5.	Kollure K.A.D.D	User Management Customer can leave feedback about the service. Customer can update and delete the feedback. Update the feedback by asking for a feedback revision. Generate a report about refund that make through the system.
6.	Withanage W.D.U.I	Finance Management Update daily incomes and expenses by using CRUD operation, show budget forecast, calculate salary and search for salary information by using employee ID, calculate profit or loss and generate a financial report in pdf format.
7.	De Silva W.P.S	Owner Management Update product details for each customer. Check the product defects and defected product. According to that retrieve defected product, delete defected product, add new product. Check the financial report and generate summary report.
8.	Samarawickrama T.J.P	Customer Management Customer register to the system by fill the registration form. Create a profile to each customer including registered customer details. Maintaining customer detail and updating details. Generate a report about registered customer including their details.