



Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2022

Project Charter

Title of the Project :	Courier Service System for “By the Minute Service”	
Batch :	Weekday - Batch 3.2	Group No: T47
Development Technology :	Front End using React, Backend using NodeJS, ExpressJS, Data Base using MongoDB (MERN Stack)	

Description of the Project:

"By the Minute Service" is a courier service based in Sri Lanka that provides door-to-door delivery. Furthermore, there is a main branch for Sri Lankan sellers to deliver the products ordered by their customers. All sellers who intend to use the courier service must register in the system, and all basic information will be captured during the registration process, creating a seller profile. Sellers can self-register by filling out the form supplied by the relevant online application. The system administrator will manage the information of the registered sellers. After registering, the seller can log in to the system with legitimate login credentials.

Sellers must complete the necessary form, including all the required facts about the packages they plan to deliver to buyers. Once the seller has completed the forms, the system will reveal the average price of the bundles. Following that, the system generates a package ID for the sellers. Sellers must send the packages to the nearest warehouse. The courier service's store manager will receive and inspect the delivery. The system's payment server computes the total price of the products and accepts payment through the server. The shop manager can then update the system with new information or remove unnecessary product information.

After the relevant funds have been made, the distribution procedure will begin. The courier service's distribution operator will send the list of packages to the warehouse. When the distribution operator gets the list, he or she puts the packages into groups based on where they are going to be delivered.

When the packages arrive at the appropriate warehouse, the warehouse manager assigns the delivery person to distribute them. Following that, the delivery person may examine the list of packages to be delivered. After delivering packages, he must confirm if the package was successfully delivered or returned.

The return packages will be assigned to the return item manager. The packages will be returned to the sellers once his opinions have been obtained.

The courier service system administrator will manage user accounts and have access to warehouses and delivery people. Maintain a record of delivery members and warehouses. Produce monthly reports. The item may be tracked by the customer using the item ID supplied by the sellers. The customer can change the delivery address after delivery by contacting the sellers. Customers can send feedback about the By the Minute Service. Other than courier systems, the "By the Minute Service" method is unique in that we courier at the lowest price in Sri Lanka.



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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.	Chethani M.G.K.	IT20659226	0774389479	it20659226@my.sliit.lk
2.	Masakorala W.P	IT20660284	0767180279	it20660284@my.sliit.lk
3.	Jayawardhana K.A.D.D.S	IT20651824	0757713501	it20651824@my.sliit.lk
4.	Nawarathana N.N	IT20654658	0767419179	it20654658@my.sliit.lk
5.	De Silva A.M.A.R	IT20642778	0768858632	it20642778@my.sliit.lk
6.	Wijesinghe M.A.E	IT20658786	0705298926	it20658786@my.sliit.lk
7.	Vimukthi H.R.O.T	IT20644130	0769802629	it20644130@my.sliit.lk
8.	Prabodini M.P.C	IT20621124	0767985512	it20621124@my.sliit.lk

List of Functions Developed by the Group Members:

	Name with Initials	Brief Description of the Function
1.	Chethani M.G.K.	<p>Store Management</p> <ul style="list-style-type: none">Examining the package list for damages and packages sent by vendors before accepting the items from our systemAfter accepting packages, Add the package information and package list to the database as accepted packages.If any details about the packages need to be changed, the store manager can edit or delete the package list.Maintain a record of the packages sent to distribution or that are still in progress at the shop.The accepted package list is forwarded to the distribution section.
2.	Masakorala W.P	<p>Administration Management</p> <ul style="list-style-type: none">Manage all the user accounts of the relevant parties by adding relevant users, updating relevant users, and deleting relevant users.Generate the monthly reports of the system with all the relevant details and monitor progress by checking the relevant reports.Check the customer feedback about the system and update the system with new solutions by using crud operations.Manage the warehouse details of the system and delivery people's details by adding, updating, and deleting them.
3.	Jayawardhana K.A.D.D.S	<p>Customer Management</p> <ul style="list-style-type: none">Customers may track their packages and know where they are in the delivery process by using their package ID.



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		<ul style="list-style-type: none">Customers can see all the information about their packages. Without logging into the program by entering their package ID, which is provided by the shop,Before going through the "delivery management process," customers can change their address number and street.Customers have the ability to alter their contact information at any time.If a consumer changes his mind about an order, he can cancel it and return it to the store. A fixed amount of Rs 300/= will be charged for delivery service and it will be added to the next order fee based on the address.
4.	Nawarathana N.N	Warehouse Management <ul style="list-style-type: none">Accept distribution operators' categorization.After accepting packages, add a packing list to the database.Display the item list and add delivery people to the list by using "crud operations."If any delivery people need to be changed, the warehouse manager can edit or delete the delivery person.The warehouse manager generates reports by getting information from delivery people.Display the reports of delivery of successful items and the return item list.Maintain the record of the on-going process of delivery.
5.	De Silva A.M.A.R	Delivery Management <ul style="list-style-type: none">After the warehouse manager assigns the delivery people to distribute parcels, he must examine the delivery list.Display all the parcels to be delivered.After delivering the parcel to the relevant address, the delivery person must confirm if the package was successfully delivered or returned.Delivery successful items are added to the database.If an order is mistakenly added to the list, the delivery person has access to edit and delete it.
6.	Wijesinghe M.A.E	Payment Management <ul style="list-style-type: none">After the seller submits the details, the total amount will be calculated by the backend.Submit all the payment details. including the total price and the seller's item listCard details for online payments can be added, deleted, or updated.Display the record for successful payment.Display a record of a list of packages to be paid for.



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7.	Vimukthi H.R.O.T	<p>Return Item Management , Distribution Management</p> <p>Return to Item Management</p> <ul style="list-style-type: none">• Add return items to the database.• View the return items list to keep track of items that have been returned.• The Return item manager can edit and delete item lists.• Contact sellers and return the items. <p>Distribution Management</p> <ul style="list-style-type: none">• It categorizes the packages based on the delivery location.• Add warehouse details based on delivery area.• Display all items to distribute.
8.	Prabodini M.P.C	<p>Seller Management</p> <ul style="list-style-type: none">• The seller must fill in the registration form with the required information to access the system, or if the seller is already a member of our system, he must fill out the login form to access our system service.• The seller must fill out a form with all the details and weight of the package before handing it over to us.• Then the system will generate a price to pay based on the weight of the package.• After submitting all the details, the seller can use the edit and delete options.