



Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2023

Project Charter

Title of the Project:	Grocery stores Management System	
Campus & Batch:	Malabe -Y2.S2.WD.IT.04.01	Group No: T50
Development Technology:	MERN Stack (Mongo DB Express Js React Js Node Js)	

Description of the Project:

This Project is about creating a Grocery stores management system. This application manages customers, suppliers, orders, deliveries, and all grocery items. Due to the pandemic situation most of the community has moved to seek online based goods and services. As a result, this app will provide a convenient and hygienic shopping experience for both buyers and sellers.

The farmers and the wholesalers who are unable to sell their goods due to low demand can directly register to this system and take the advantage of wholesale their items for a reasonable value, small businesses and small store owners who do not have a proper customer base and an online platform, can register, and buy items through this system, as well as sell their products using our brand name. Customers who purchase items through this app can have them delivered from the nearest store to their homes and have discounts, promotions, and other benefits. Part-time job seekers can take the advantage of applying for the position of drivers in our delivery service.

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.	Peiris M. M. A. E	IT21161056	0710624368	it21161056@my.sliit.lk
2.	Weerasinghe W. P. D. J. N	IT21162664	0713007363	it21162664@my.sliit.lk
3.	Jayathunge K. A. D. T. R	IT21162732	0763121956	it21162732@my.sliit.lk
4.	Kumara W. H. T. S	IT21166310	0778944327	it21166310@my.sliit.lk
5.	Liyanaarachchi V. K	IT21159794	0702090550	it21159794@my.sliit.lk
6.	Gunasekera H. D. P. M	IT21161674	0771529404	it21161674@my.sliit.lk
7.	Premathilaka S. P. D. M	IT21060380	0776538484	it21060380@my.sliit.lk
8.	Perakum K. K. P	IT21160066	0758587579	it21160066@my.sliit.lk



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List of Functions Developed by the Group Members:

	Name with Initials	Brief Description of the Function
1.	Peiris M. M. A. E	<u><i>Inventory and Stock Management</i></u> Keep a record of all the supermarket's accessible grocery information. The cost of each item, the number of items sold, the number of items purchased, the prices, the mass, the expiration dates, the types of stocks and waste items, returned goods, manufacturer or seller details, and all other stock information in the supermarket. Maintain a record of your holding costs, landed or distribution costs, safety stocks, warehouse rents, and transportation costs.
2.	Gunasekera H. D. P. M	<u><i>Financial Management & billing</i></u> Manages the total revenue. Planning and organizing the costs of staff maintenance, salaries, and funds with database creation and maintenance. Overall Applying general management principles to the financial resources of the project.
3.	Weerasinghe W. P. D. J. N	<u><i>Premises management</i></u> People can register their own store in our system. This will help them to sell their product easily. In this function we manage all the stores and shop by storing registration number, owner name, location. Adding new stores, updating store's details, and removing stores from the system. Generate reports on annual registered companies.
4.	Liyanaarachchi V. K	<u><i>Customer Management</i></u> Manages all customer registrations by storing name, phone number, address, e-mail address, payment methods and bank card details to the system. Adding new customers, updating customer profiles, and removing customers from the system and notifying customers of special deals, promotions, and special offers.



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5.	Jayathunge K. A. D. T. R	<u><i>delivery Management</i></u> Manage all employees(delivery persons) by entering their personal information such as employee ID, salary, and job title. Create a salary sheet for each employee. Adding, updating, and removing staff profiles from the system, as well as notifying employees about employee discounts and special offers.
6.	Kumara W. H. T. S	<u><i>Marketing and customer relationship Management</i></u> Manages customer feedback through reviews and comments and allows for direct communication with a Customer Care agent via text. Manages all the marketing related activities by advertising on media and providing promotions, discounts based on customer loyalty points. Providing discounts on stock clearance sales.
7.	Perakum K. K. P	<u><i>order Management</i></u> Manages online delivery orders. Allows customers to select items for orders. The product status is displayed prior to order confirmation. Enables the customer to track the order during the delivery period and receive an estimated delivery time frame. The customer has the option to cancel the order within 24 hours of it being confirmed. Notify the customer via email of any delivery delays and provide an updated delivery time.
8.	Premathilaka S. P. D. M	<u><i>Supplier Management</i></u> Manages all supplier(farmer and wholesaler) registrations by storing supplier name, item name, quantity, price, phone number, address, e-mail address, payment methods and bank card details to the system. Adding new suppliers, updating supplier profiles, and removing suppliers from the system.