Project Charter

Title of the Project:	Supermarket Management System for **Ravishka Supermarket**	
Batch:	Y2.S2.WD.IT.01.01	Group No: WD_B01_ITP_G01
Development Technology:	Php with Laravel framework	

Description of the Project:

'Ravishka supermarket' is a Sri Lankan business which is operated over the last 10 years, delivering the freshest quality products serving thousands of Sri Lankans every week. Their business is act as an intermediate between a buyer, seller, and a supplier. A team of over 15 employees and stakeholders with long lasting partnerships are engaged with this supermarket which carries over 500 products to their customers. This supermarket hopes to launch an online shopping platform providing customers with the facility of home delivery. With the current system the company owner must write the supplying details, selling details, all the employees' financial details manually which is more paperwork and wastage of time. So, a user-friendly web application with a database would be create more manageable and securable background.

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.	Rajapaksha R.C.P	IT20137250	0715264449	it20137250@my.sliit.lk
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6.	Alahakoon A.M.D.P.S	IT20263362	0768404644	it20263362@my.sliit.lk
7.	Umendra T.A.H	IT20645670	0773870703	it20645670@my.sliit.lk
8.	Jayasekara H.L	IT20621056	0773070888	it20621056@my.sliit.lk

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List of Functions Developed by the Group Members:

	Name with Initials	Brief Description of the Function
1.	Jayasekara H.L	**Order placement for retail customers** This function records customer details such as the NIC, name, mobile number etc., and they can update these details anytime. Here we record order details such as order ID, item ID, quantity, etc. Customer can add, update, remove items in the cart. Also, this function has to issue bills for each retail order, record customer ratings and reviews, arrange offers, loyalty points for regular customers and notify them ahead of flash sales, record delivery details (type and mode of delivery), generating daily sales reports and other relevant reports.
2.	Alahakoon A.M.D.P.S	**Employee management** This function maintains all the employee details. In this system the employees are required to register to the system first. When they want to register, they need to provide details such as their name, address, contact number, item code, item description, email. When the register buyers and sellers, Monitor details, create user profiles, add salary details, records items sold by each seller, leave and attendance approve. Once they finish providing the details, the admin (employee manager) should store those details into the database. Admin can create user profiles. Admin can update user details. Admin can delete user details. Admin generate reports with the details of the registered employees.
3.	Gunasekara P.G.A.I.P	**Stock management** Stock management is keeping a record of stock that comes into the supermarket and stock that leaves the store. In this Function stock manager analyses stock details, and add item details (Item code, Item name, quantity, item price etc.) to the database and, he or she can update those details and delete if it is required. After, arrange inventory including purchased order and non-purchase orders. And then Monthly Generate reports regarding all the stock details.
4.	Umendra T.A.H	**Order management for wholesale buyers** This function, record all order details and details of wholesale buyers. Mainly this function, registers the wholesale buyers by getting their details. (NIC, address, name, e-mail, district), so that the admin can add them to the system database. After registering a wholesale buyer, gets all the order details, like the order quantity and capacity. All the price verifications are recorded in this function like, the discounts that are given to wholesale buyers.

		This function also generates reports regarding all the wholesale orders that are done through the system. And also, by this function the administrator can add and update the system database.
5.	Rajapaksha R.C.P	**Finance management** Finance Management function will be recorded all the finance performances according to incomes and expenses of the business to get total income and total expense to calculate monthly profit of the business. The main task of this function is to handle all the cash transactions done in a particular day range of the business. Here we enter the input details related to each function. (Sales income, Interest income, Commission income, Maintenance expense, Transportation expenses, Salary payments). You can update and delete the data entered the database to properly manage these functions. The generating report include finance transactions which have been done throughout the month with total income and total expense and also monthly gross profit.
6.	Thilakarathne W.A.S.S	**Transport management** Transportation Management is a distribution platform that uses technology to design, execute, optimize, and assist businesses in the physical movement of outgoing goods. This includes managing the driver details, managing the vehicles used for transportation, record delivery status, generate deliver reports and so on. We hope to include the driver's name NIC and driving license and the same for the relevant vehicles we hope to include vehicle type, vehicle number, in the database for another table. There manager can update or delete the data if required.
7.	De Silva P.R. P	**Manage suppliers** • Insert, view, update by supplier. • admin can update and delete payment information. • Admin can remove suppliers. • Generating reports. In this function manage all supplier details. First Suppliers need to register in the system. Therefor suppliers give the personal details in the system. Such as username, password, NIC No etc. supplier can view and update their personal details. Even admin can manage all supplier and their payment information (Such as remove suppliers, update and delete payment information). finally, admin can generate and easily manage payment information report regarding to the suppliers.

8.	Arachchi S.C.S	**Debtors' management**
		• Insert, view, update, delete customer's details
		• Report generating
		Customers can borrow goods owing money to the shopkeeper. Meanwhile the customer details must be recorded (name of the debtor, date, price, no of items borrowed etc.). Updating and removing the customer couldn't pay their debts on due date a certain interest rate will be tallied/added to the previous arrears. Though these function, shopkeeper can take decisions easily and can understand the people who didn't pay the debt of the business easily. shopkeeper can search debtors' details related to the id. Because of that, data redundancy is very low.