Project Charter

Title of the Project :	Business Management Software for a Lighting and Functional services providing business.	
Campus & Batch :	Malabe Campus	Group No: T081
Development Technology :	MERN Stack	

Description of the Project:

Client and the current business:
C. S. K. Liyanage
Lighting and functional services providing business

Current Problem:
The owner is having the problem of managing the business due to its complexity.

Innovative solution you are planning to provide:
As a solution to the above problem, our team volunteered to provide the owner with a way of managing the business in an effective and effortless way. We are trying to provide the owner with a very user-friendly UI which helps to understand the current challenges, and which gives a quick overview of the business. Our simplified views of the different sections of the business will make it an easy task for taking future decisions. The most important requirement is to make the clients who are willing to take the services get a good understanding of the services provided and the vision of the company.

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

	Name with Initials (Surname first)	Registration Number	Contact Phone Number	Email
1.	Liyanage H.H	IT22550262	0707727870	it22550262@my.sliit.lk
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4.	Jayasooriya H.M.S.M	IT22280138	0779272044	it22280138@my.sliit.lk
5.	Kusalanjani J. P. N	IT22034540	0757790791	it22034540@my.sliit.lk
6.	Meegoda A.I	IT22640116	0701650370	It22640116@my.sliit.lk
7.	Galwatta B.N.P	IT22358202	0763540260	it22358202@my.sliit.lk
8.	Jayasuriya R.R.S.A	IT22258380	0762115134	It22258380@my.sliit.lk

List of Functions Developed by the Group Members:

	Name with Initials	Description of the Function
1.	Liyanage H.H	Services & Marketing management component A component for managing the services provided by the business which gives an overview about the services provided as it helps for the acknowledgement of the clients. It holds the information about the services which can be changed according to the need of the owner. Keeps record of marketing tactics implemented by the business. This component features, • A way to show the services provided by the business including packages • Owner can manage the packages ex: - Discounts and offers, changing validity period. • A UI with easy to navigate which gives a quick overview of the services provided. • Contains information which is unique to each service. • Helps owner to manage the marketing criteria associated with the business
2.	Dissanayaka R.M.L.R.	The Employee Management function in our lighting and service business is like a helpful organizer for our team. It keeps track of key details like Employee ID, names, positions, contact info, employment status, and hire dates. This system makes sure our employee records are always correct, making things like hiring and managing changes smooth. By keeping everything in one place, the Employee Management function helps us use our resources better, follow rules, and make our business work even better Components: • Centralized database with unique Employee IDs. • Captures essential details such as First Name, Last Name, DoB, Gender, Email, Contact Number, NIC, and Address. • Specifies employment type (full-time, part-time). • Associates employees with specific departments. • Records qualifications. • Tracks and evaluates employee leave requests. • Manages the approval and denial process efficiently.

		• Generates comprehensive reports on employee details, work history, and leave records.
3.	Adikari A.M.R.M	feedback and reviews In the context of lighting and functional services, a dedicated Feedback and Reviews Management system is crucial. This module focuses on enhancing customer experience. • Customizing surveys and managing online reputation, businesses can gather insights, address concerns, and continuously improve their services. • This tailored approach fosters customer satisfaction and loyalty in the dynamic field of lighting and functional services. • we record each feedbacks with unique feedback id,Service id,numerical rating given by customer ,review text,submitted date
4.	Jayasooriya H.M.S.M	The Inventory Management function is crucial for effectively tracking, organizing, and managing equipment inventory within our lighting and functional service business. It ensures that we have accurate and up-to-date information on the availability, condition, and rental details of each equipment item. This system streamlines inventory operations, minimizes errors, and optimizes resource utilization to meet customer demands efficiently. Components: • Provides a comprehensive overview of the equipment inventory status. • Central repository of all equipment items in the inventory. • Each item listed with unique Equipment ID, Name, Description, Quantity Available, Condition, and Rental Price. • Stores and manages supplier information for equipment procurement. • Records the date each equipment item was added to the inventory.
5.	Kusalanjani J. P. N	Financial management component plays a key role of tracking and controlling the financial aspects of a business which include sales, expenses and profits. With the help of this component, it is possible to keep the records of transactions

		accurately, monitoring the cash flow and get a quick overview of the financial status of the business. Components: • Provides all finance transactions including a clear representation of income and expenses. • Allows the admin to create and modify financial data. • Offers a summary of the organization's financial status (pending or success) • Offers a brief explanation for each transaction, giving extra information about what the money was used for or where it came from.
6.	Meegoda A.I	Client Management The reservation management component is used to allow the owner to reserve a business order received by clients. The owner can create a new order for the upcoming function, which will allow them to keep track of all business orders received. It helps to inform the owner about the working status of the business and manage his inventory and workers, which suits each situation. Components: • Provide a comprehensive catalog displaying all available inventory items. • Implement search and filter options to help clients quickly find what they need. • Allow clients to select event dates and check the availability of desired items. • Include a shopping cart system that allows clients to review their selections before confirming the reservation. • Implement user accounts for clients to track their reservations, preferences, and order history. • Enable clients to manage their profiles and update information as needed.
7.	Galwatta B.N.P	Rental Management This function handles the equipment that are rented from external suppliers for our lighting and functional service business. If the stock does not contain all the necessary

		equipment for an event they are rented from different suppliers. This function stores accurate information related to every rental equipment and supply. Components: • Records the details of each rented equipment and suppliers such as equipment name, quantity, supplier, total cost etc. • Keeps records of start and end dates. • Tracks their status from reservation to return. • Maintains a history of rental orders. • Allows system admin to access, edit, and delete the records in the rental list.
8.	Jayasuriya R.R.S.A	Maintenance Management System A Maintenance Management System for lighting and functional services businesses is a software solution designed to streamline maintenance operations. It helps efficiently manage the upkeep of lighting systems and other functional equipment. • The system facilitates preventive maintenance scheduling, work order management, and technician scheduling with features such as asset management, and mobile accessibility, this enhances overall operational efficiency, reduces downtime, and ensures timely and cost-effective maintenance. • It provides insights through reporting and analytics, promoting informed decision-making. • We record these maintenance details including maintenance id, equipment id, maintenance type, technician, description, scheduled date, status and completed date