Project Charter

Title of the Project:	Boat Safari Management System	
Batch:	Weekday – Batch 3	Group No: WD_B03_ITP_02
Development Technology:	MongoDB, Express.JS, React.JS, Node.JS	

Description of the Project:

As our project we have chosen a boat safari management system. This system will allow customers, managers, and other stakeholders to utilize their resources efficiently with the help of a web application.

Customers will be able to register to the system, views offers and promotions, book a boat safari, make the payment, and leave feedback. Managers, administrators will be able to manage the customers, boats, drivers and other staff members, update packages offered and keep track of payments. Drivers will be able to keep track of their upcoming rides.

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

	Surname with initials	Registration Number	Contact Phone Number	Email
1.	Dematagoda H. A	IT21059636	779046634	it21059636@my.sliit.lk
2.	Dissanayake D. M. S. S	IT21072260	710474153	it21072260@my.sliit.lk
3.	Seneviratne H. M. T. V	IT21061448	767898853	it21061448@my.sliit.lk
4.	Sathushka B. A. G	IT21102196	718948148	it21102196@my.sliit.lk
5.	Gamage K. M	IT21080258	773318586	it21080258@my.sliit.lk
6.	Senadheera S. A. T. P	IT21086984	769409203	it21086984@my.sliit.lk
7.	Dewma L. D. B. L. B.	IT21042256	778616484	it21042256@my.sliit.lk
8.	Divyanjana U. D. P. S	IT21106156	763995297	it21106156@my.sliit.lk

List of Functions Developed by the Group Members:

	Name with Initials	Brief Description of the Function
1.	Dematagoda H. A	**Staff management** This function allows the user to manage staff information such as name, email address, contact number, NIC, gender and salary information. (Number of hours worked, hourly rate, allowances, deductions) • Add new staff members, update, and delete existing staff members and their information. • Search staff members. • Allocate shifts to staff members.

		• Generate monthly staff attendance reports and salary calculation reports.
2.	Dissanayake D. M. S. S	**Offers management** The customers will be able to have various kind of seasonal offers, discounts or limited items tied to an event during the year. • Insert the seasonal offers and discounts on off-seasons and tours with low attendance. • Updating the offers. • Selecting the best matching limited items tied to an event during the year. • Deleting the offers and the discounts when the offering period is over.
3.	Seneviratne H. M. T. V	**Customer management** This function will manage and verify customer information such as name, contact numbers, NIC etc. • Manage all customer registrations. • Create a new record when a new user registered to the system. • Get customer feedbacks. • Update customer details and feedbacks. • Delete an existing customer registration record and customer feedback. • Generate a report using customer feedbacks to produce useful information for the system.
4.	Sathushka B. A. G	**Boat Management** Here, all the registered boats to the system are managed. • Assigning boats to safaris according to the number of passengers who join for the tour. • Categorizing Boats for particular packages and occasions. • Prices for the boats to be booked are updated here. (UPDATE) • Creating new Boat record when registering a new boat. (CREATE) • Deleting an existing boat when Boat is removed from the system. (DELETE) • Displaying full details list of the boat when registration number is entered. (READ)

5.	Gamage K. M	**Payment management** • Calculate total payment according to package and booking. • Include offers in the payment. (deduct from total) • Record payment when made. • Delete payment if booking is cancelled. • Keep records of payments to be collect. • Generate monthly income report.
6.	Senadheera S. A. T. P	**Driver Management** • If there are new driver who want to join as a driver with the boat safari system, the manager can add that driver into the system through the driver management. (CREATE) • If there are any existing driver who want to resign manager can remove that driver through the Driver Management. (DELETE) • Manager can update driver details. (UPDATE) • If any user wants to see the full record of drivers, The system retrieves those details by using Driver Management functionality. (RETRIVE) • Generates a report of drivers for local and foreign customers.
7.	Dewma L. D. B. L. B.	**Package Details Management** The function will be able to manage package types in the boat safari system, such as local, foreign, and seasonal, in this part It contains package rates, customer information as well as timescale. Generate report for most popular package type and engaged participants. • Insert latest packages annually, sometimes depends on situations. • Updating packages (prices, time). • Select / read ongoing packages and registered customers details. • Remove or delete relevant details.
8.	Divyanjana U. D. P. S	**Booking management** A registrant will be able to choose the boat package he/she wants • Information about the date, time, number of people and the place of travel should be entered in relation to the selected package (create) • can see the details of the booked packages under My Bookings page (retrieve) • It is possible to update the selected package i.e., change the date,

		time, number of people traveling or book a different package. (update) • Booking can be canceled if the selected package is not required. (delete)