



Sri Lanka Institute of Information Technology
Information Technology Project Year2,
Semester 2 - 2024

Project Charter

Title of the Project :	Surfing School Management System	
Campus & Batch :	Malabe Group 4.1	Group No: ITP24R_B4_07
Development Technology :	MERN Stack -Mongo DB Express Js React Js Node Js	

Description of the Project:

Client and the current business: The surfing school called Surf-Deck is situated in Arugam Bay, Sri Lanka. Here, five pupils can receive coaching from one instructor at once. To deliver the greatest care, the center is fully furnished with surfing essentials, safety equipment, and highly skilled instructors.

Current Problem: Surf-Deck school currently faces significant challenges in managing booking and other activities efficiently. According to the traditional way that they use now for booking surfing packages, the customer must meet their coaches face to face & then check for prices of packages ,available dates and do payments. Trainers also manually manage bookings ,payments and other activities .This process is too much time consuming, lack of efficiency and difficult to quickly adjust schedules based on weather conditions and instructors availability.

Innovative solution you are planning to provide:

The surfing school management system we have developed, called Surf-deck school, is webbased. It makes jobs easier and more efficient for users (clients), trainers, and surf school employees. The system allows clients to personalize the package by selecting their preferred trainer, course, and time window. Instructors can add their own available time slots to the system by logging in. Therefore, clients can book trainers based on the services they want to receive. Furthermore, a surf shop is located within the same place where client can purchase surfing boards that suit their needs. For all of these advantages, users must first register with the Surf-deck school management system.

Our employees can log in to the system and perform administrative duties in addition to client-side work. The administrator is in charge of all trainers and clients. The manager of suppliers and equipment is responsible for overseeing all inventory and associated duties. A dedicated payment management area is available to handle all financial and payment-related responsibilities.



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

List of Functions Developed by the Group Members:

	Name with Initials	Description of the Function
1.	Chavindee .M. A .P	<u>Lesson & Reservation</u> To start a course, users must pay for a course bundle and register. Lesson management involves choosing a package based on skill level and choosing a trainer. Reservation management allows users to switch trainers and choose attendance days. If unable to participate, they can remove a day.



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2.	Wickramarachchi T T	<u>Event Planning</u> The software simplifies event planning and organization, tracking details like date, time, venue, instructor, and attendees. It allows students to sign up for surfing instruction, competitions, and social events, sends notifications, and features an interactive calendar for better organization and communication.
3.	Hettiarachchi A T	<u>Payment</u> This section manages user payments and generates payment reports via the web app. It processes special offers and records transactions. Users receive confirmation messages and access payment reports after completing registration and fulfilling entry conditions.
4.	Chandrasena H P	<u>Equipment Maintenance</u> The module manages the school's equipment inventory, allowing the manager to update or remove details. It keeps a record of available and needed equipment, and generates reports for maintenance and new purchases, ensuring students have reliable access to safe equipment.
5.	Hewanayake H M L M	<u>Supplier</u> The Supplier Management module assists the school in managing its equipment suppliers, allowing the supplier manager to update or remove information. It tracks equipment received, stock availability, and supplier performance, aiding in selecting the best suppliers. The module also allows tracking purchase orders from creation to delivery.
6.	Ashan P G S	<u>Sales and Rental</u> The system streamlines inventory management, transaction processing, and customer satisfaction in schools. It supports rental management, tracking inventory and payments. It also provides detailed reports and secure online payment processing for informed decision-making.



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7.	Perera K.T.K	<u>Staff Handling</u> A surfing school management system streamlines staff and workload management, ensuring efficient operations and smooth learning experiences. Administrators assign instructors based on student skill level, expertise, and availability, while fair lesson distribution prevents burnout.
8.	B M V Sandareka	<u>Registration</u> students can register to the system by providing their personal information, including name, email, phone number, address, date of birth, username, and password. the system offer registered customer to edit their profile details..