

Sri Lanka Institute of Information Technology
Information Technology Project (IT2080)

Malabe Group 4.1

Group No: ITP24J_B04_07



Agile Activity Report

Surfing School Management System

Submitted by:

Introduction

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.

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.

The surfing school management system we hope to develop, called Surf-deck school, is web based. 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 Surfdeck 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.

1.Epic – Registration

Feature	User Story ID	User Story	Tasks
1.Register accounts	90	1.1 "As a new user, I want to register an account so that I can access the surfing school system."	1.1.1: Design the UI for user registration. 1.1.2: Implement the registration UI in React. 1.1.3: Create backend endpoints for user registration in Node.js/Express. 1.1.4: Integrate frontend with backend for registration functionality. 1.1.5: Write unit tests for registration functionality.
2.verify email address after registration	91	2.1 "As a user, I want to verify my email address after registration so that my account is secure."	2.1.1: Design the UI for email verification. 2.1.2: Implement the email verification UI in React. 2.1.3: Create backend endpoints for sending and verifying email tokens in Node.js/Express. 2.1.4: Integrate frontend with backend for email verification. 2.1.5: Write unit tests for email verification functionality.

3.reset password	92	3.1 "As a user, I want to reset my password so that I can regain access if I forget it."	3.1.1: Design the UI for password reset. 3.1.2: Implement the password reset UI in React.
			3.1.3: Create backend endpoints for password reset in Node.js/Express. 3.1.4: Integrate frontend with backend for password reset functionality. 3.1.5: Write unit tests for password reset functionality.
4.update profile information	93	4.1 "As a user, I want to update my profile information so that my details are always up-to-date."	4.1.1: Design the UI for profile management. 4.1.2: Implement the profile management UI in React. 4.1.3: Create backend endpoints for updating user profiles in Node.js/Express. 4.1.4: Integrate frontend with backend for profile update functionality. 4.1.5: Write unit tests for profile management functionality.

5.view profile	94	5.1 "As a user, I want to view my profile so that I can see my information and make changes if necessary."	5.1.1: Design the UI for viewing profile information. 5.1.2: Implement the profile viewing UI in React. 5.1.3: Create backend endpoints for retrieving user profile information in Node.js/Express. 5.1.4: Integrate frontend with backend for profile viewing functionality. 5.1.5: Write unit tests for profile viewing functionality.
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**2.Epic - Lesson Management IT22127778-
Chavindee M.A.P**

Feature	User Story ID	User Story	Tasks
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1.Schedule Lessons	100	1.1-"As an instructor, I would like to schedule lessons so that students can book them online."	<p>1.1.1: Design the UI for scheduling lessons</p> <p>1.1.2:Create the React page Lesson scheduling UI .</p> <p>1.1.3:Create backend endpoints for scheduling lessons in Node js /Express.</p> <p>1.1.4: Frontend-Backend Integration .</p> <p>1.1.5 Write Unit Tests for Scheduling Capability</p>
2: Manage Lesson Availability	101	2.1:"I as an instructor want to Establish My Lesson Availability so that students can view my open Slots"	<p>2.1.1: Design the availability management UI.</p> <p>2.1.2: Implement the availability management UI in React.</p> <p>2.1.3: Create backend endpoints for</p>
			<p>managing availability in Node.js/Express.</p> <p>2.1.4: Integrate frontend with backend. Write unit tests for availability management functionality</p>

3.Book Lessons	102	3.1 “As a student, I want to book lessons online so that I can attend them at my convenience.”	<p>3.1.1: Design the booking UI.</p> <p>3.1.2: Implement the booking UI in React.</p> <p>3.1.3: Create backend endpoints for booking lessons in Node.js/Express.</p> <p>3.1.4: Integrate frontend with backend.</p> <p>3.1.5: Write unit tests for booking functionality.</p>
4.Cancel booked Lessons	103	4.1 “As a student, I want to cancel my booked lessons so that I can free up my schedule if needed.”	<p>4.1.1: Design the cancellation UI.</p> <p>4.1.2: Implement the cancellation UI in React.</p> <p>4.1.3: Create backend endpoints for canceling lessons in Node.js/Express.</p> <p>4.1.4: Integrate frontend with backend.</p>
			4.1.5: Write unit tests for cancellation functionality.

5.View Lesson History	104	5.1: “As a student, I want to view my lesson history so that I can track my progress.”	<p>5.1.1: Design the lesson history UI.</p> <p>5.1.2: Implement the lesson history UI in React.</p> <p>5.1.3: Create backend endpoints for viewing lesson history in Node.js/Express.</p> <p>5.1.4: Integrate frontend with backend.</p> <p>5.1.5: Write unit tests for lesson history functionality.</p>
6.Send Lesson Reminders	105	6.1:”As an instructor, I want to send lesson reminders to students so that they don't miss their lessons.”	<p>6.1.1: Design the reminder sending UI.</p> <p>6.1.2: Implement the reminder sending UI in React.</p> <p>6.1.3: Create backend endpoints for sending reminders in Node.js/Express.</p> <p>6.1.4: Integrate frontend with backend.</p> <p>6.1.5:Write unit tests for reminder functionality.</p> <p>6.1.6: Implement logging for reminder actions.</p>

3.Epic – Event Planning

Feature	User Story ID	User Story	Tasks
Organizing and Creating Events	201	1.1 As the head of the school, I would want to organize a new event. in order for me to oversee the schedules and activities of surfing school	<p>1.1.1Create an Event Design Form. Draw a wireframe. Make a form in HTML and CSS.</p> <p>1.1.2Create an Event Creation Backend API. Configure the schema in the database. Set up API endpoints.</p> <p>1.1.3Link the front and back ends together Form to API connection Verify the form's data before submitting.</p> <p>1.1.4Put Event Notifications into Practice Establish a notification</p>

			framework. Test alerts for the production of events
Event registration	202	2.1 As an event planner of the school, I want to register students to events that in the school	<p>2.1.1 Make a Registration Form: Provide a form that users can fill out to become registered. Verify that all needed fields are filled out accurately by implementing form validation.</p> <p>2.1.2 Integrate the database: Store the registration information there.</p> <p>2.1.3 Verification and Notification: After a user successfully registers, send them an email confirming their registration.</p> <p>2.1.4 Testing: To make sure the registration procedure functions properly, test it.</p>

Notification Management	203	3.1 As an event planner, I want to send notifications for all the parties about upcoming events	3.1.1 Design Notification Configuration Interface 3.1.2 Implement Notification Logic 3.1.3 Integrate with Notification Services (Email, SMS, Push Notifications)
			3.1.4 Database Integration for Notification Preferences 3.1.5 Testing
Event Calendar Management	204	4.1 as an event planner, I want to manage event calendar day by day including all the details of all events	4.1.1 Design Calendar Interface 4.1.2 Integrate with Event Database to Display Events 4.1.3 Implement Filtering Options (e.g., by date, event type) 4.1.4 Implement Reminder Logic Based on Calendar Events 4.1.5 Integrate with Notification Management for Reminder Delivery

4.Epic – Payment

Feature	User Story ID	User Story	Tasks
View Payment History	300	1.1: “As a Financial Manager, I want to view a history of all payments so that I can monitor and review financial transactions.”	1.1.1: Design Payment History UI. 1.1.2: Implement Backend API to Fetch Payment History. 1.1.3: Integrate Frontend with Backend. 1.1.4: Conduct unit testing and integration testing.

Process Refunds	301	2.1: “As a Financial Manager, I want to process refunds to users so that I can handle returns or cancellations efficiently.”	<p>2.1.1: Design Refund Processing UI.</p> <p>2.1.2: Develop Refund Logic in Backend. (Node js /Express.)</p> <p>2.1.3: Integrate Refund Functionality.</p> <p>2.1.4: Implement notifications (email/SMS) to users about the refund.</p>
			2.1.5: Perform testing for refund processing, including edge cases.

Generate Monthly Financial Report	302	<p>3.1: “As a Financial Manager, I want to generate a monthly financial report so that I can analyze the financial performance of the system.”</p>	<p>3.1.1: Define Report Criteria and Filters (data, metrics, and filters)</p> <p>3.1.2: Implement Backend Logic for Report Generation. (Node js /Express.)</p> <p>3.1.3: Create a UI to display the report, with options to filter, export, and print.</p> <p>3.1.4: Integrate Report Generation with Frontend.</p> <p>3.1.5: Test the report generation and exporting functionality.</p>
Apply Discounts on Payments	303	<p>4.1: “As a Financial Manager, I want to apply discounts to certain payments based on predefined special offers, so that promotions are correctly reflected in the payment process.”</p>	<p>4.1.1: Specify the rules for applying discounts based on the offers.</p> <p>4.1.2: Implement Discount Logic in Backend. (Node js /Express.)</p> <p>4.1.3: Modify the UI to show the discounted price before the final payment.</p> <p>4.1.4: Integrate Discount Logic with Frontend.</p> <p>4.1.5: Test the discount application and payment processing flow.</p>

Save the card details	304	5.1: "As a customer, I want to be able to save my card to the system according to the payment type and method and edit and delete my card, So, I can pay my payment immediately."	5.1.1: Create a page to enter personal details and card details. 5.1.2: Create a 'Submit Button to add details.
Get unique token number	305	6.1: "As a customer, I want to get a membership token. So, I can get the membership card."	6.1.1: A user interface to show membership tokens.
Get payment invoice	306	7.1: "As a customer, I want to get a payment invoice. So, I can know about my package payment details."	7.1.1: Design Invoice Template. 7.1.2: Create a backend API to generate invoices after payment.
Upload financial reports	307	8.1: "As a Financial Manager, I want to upload all financial reports in the system to the payment page. So, I can help to check the financial report in the same place in case of an emergency."	8.1.1: 1. Create a financial reports page. 8.1.2: Update the reports monthly and annually. 8.1.3: Delete the financial reports and edit them and upload details. 8.1.4: View details of financial reports. 8.1.5: Add the buttons 'Upload' and 'Cancel'.
Check financial reports	308	9.1: "As the manager, I want to check the financial reports in the system. So, I can know payment details for managing the system."	9.1.1: Implement some select options for selecting financial reports.

5.Epic – Equipment & Maintenance

IT22083814 – Chandrasena H.P

Feature	User Story ID	User Story	Tasks
Equipment Registration	401	As an Equipment Manager, I want to register new equipment so that it can be tracked and managed in the system.	401.1: Create an Equipment Registration form.
			401.2: Implement input validations for the registration form.
			201.3: Store equipment data in the database.
	402	As an Administrator, I want to register equipment so that it is available for use in the surfing school.	402.1: Create an Equipment Registration page.
			402.2: Validate the registration form data.
			402.3: Store equipment details in the database.

Equipment Profile Management	403	As an Equipment Manager, I want to edit equipment profiles so that I can update their information.	403.1: Create an Equipment Profile page.
			403.2: Implement functions to edit equipment details.
			403.3: Validate and save the updated details to the database.
	404	As an Equipment Manager, I want to view equipment profiles so that I can manage equipment information.	404.1: Create an Equipment Profile View page.
			404.2: Implement functions to retrieve and display equipment details.
Equipment Maintenance	405	As an Equipment Manager, I want to log maintenance activities for equipment so that I can track its condition.	405.1: Create an Equipment Maintenance page.
			405.2: Implement functions to log maintenance activities.
			405.3: Validate and store maintenance records in the database.
	406	As an Equipment Manager, I want to view maintenance history so that I can assess the condition of equipment.	406.1: Create a Maintenance History View page.
			406.2: Implement functions to retrieve and display maintenance records.
Equipment Allocation	407	As an Equipment Manager, I want to allocate equipment to students and instructors so that it can be tracked and managed.	407.1: Create an Equipment Allocation page.
			407.2: Implement functions to allocate equipment.

			407.3: Store allocation details in the database.
	408	As an Instructor, I want to view allocated equipment so that I know what is assigned to me.	408.1: Create an Allocated Equipment View page.
			408.2: Create an Allocated Equipment View page.
Equipment Inventory Management	409	As an Equipment Manager, I want to manage equipment inventory so that I can keep track of available stock.	409.1: Create an Inventory Management page.
			409.2: Implement functions to update inventory levels.
			409.3: Validate and save inventory changes to the database.
	410	As an Administrator, I want to monitor equipment inventory so that I can ensure adequate stock levels.	410.1: Create an Inventory Monitoring page.
			410.2: Implement functions to display inventory levels.
			410.3: Alert when inventory levels are low.
Equipment Reporting	411	As an Equipment Manager, I want to generate reports on equipment usage and condition so that I can make informed decisions.	411.1: Create a Reporting page.
			411.2: Implement functions to generate equipment reports.
			211.3: Allow export of reports to various formats (e.g., PDF, Excel).
	412	As an Administrator, I want to view equipment performance reports so that I can improve inventory management.	412.1: Create an Equipment Performance page.
			412.2: Implement functions to display performance metrics.

			412.3: Allow administrators to download performance reports.
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6.Epic – Supplier Management

IT22168740 – Hewanayake H.M.L.M

Feature	User Story ID	User Story	Tasks
Supplier Registration	501	As a Supplier Manager, I want to register new suppliers so that they can be added to the system.	501.1: Create a Supplier Registration form.
			501.2: Implement input validations.
			501.3: Store supplier data in the database.
	502	As a Supplier, I want to register with the system so that I can supply goods.	502.1: Create a Supplier Registration page.

			502.2: Validate registration form data.
			502.3: Store supplier details in the database.
Supplier Profile Management	503	As a Supplier, I want to edit my profile so that I can update my information.	503.1: Create a Supplier Profile page.
			503.2: Implement functions to edit supplier details.

			503.3: Validate and save the updated details to the database.
	504	As a Supplier Manager, I want to view supplier profiles so that I can manage supplier information.	504.1: Create a Supplier Profile View page.
			504.2: Implement functions to retrieve and display supplier details.
Order Management	505	As a Supplier, I want to view and manage my orders so that I can keep track of order statuses.	505.1: Create an Orders page for suppliers.
			505.2: Implement functions to display order details.
			505.3: Allow suppliers to update order status.
	506	As a Supplier Manager, I want to assign orders to suppliers so that orders are processed efficiently.	506.1: Create an Order Assignment page.
			506.2: Implement functions to assign orders to suppliers.
			506.3: Notify suppliers of new orders.
Inventory Management	507	As a Supplier, I want to manage my inventory so that I can keep track of available stock.	507.1: Create an Inventory Management page.
			507.2: Implement functions to update inventory levels.

			507.3: Validate and save inventory changes to the database.
	508	As a Supplier Manager, I want to monitor supplier inventories so that I can ensure adequate stock levels.	508.1: Create an Inventory Monitoring page.
			508.2: Implement functions to display inventory levels.
			508.3: Alert when inventory levels are low.
Reporting	509	As a Supplier Manager, I want to generate reports on supplier	509.1: Create a Reporting page.
		performance so that I can evaluate and improve supplier relationships.	
			509.2: Implement functions to generate performance reports.
			509.3: Allow export of reports to various formats (e.g., PDF, Excel).
	510	As a Supplier, I want to view my performance reports so that I can improve my services.	510.1: Create a Supplier Performance page.
			510.2: Implement functions to display performance metrics.
			510.3: Allow suppliers to download performance reports.

7.Epic – Sales & Rental Management

Feature	User Story ID	User Story	Tasks
1: Rental Inventory Management	601	"As a Sales and Rent Manager, I want to add new rental equipment to the system so that it's available for customers to rent."	<ul style="list-style-type: none"> □ 601.1: Design the UI for adding new rental equipment. □ 601.2: Implement the equipment addition UI in React. □ 601.3: Create backend
			<p>endpoints for adding equipment in Node.js/Express.</p> <ul style="list-style-type: none"> □ 601.4: Integrate frontend with backend for equipment addition. <p>601.5: Write unit tests for equipment addition functionality</p>

2: Rental Availability Management	602	"As a Sales and Rent Manager, I want to update the availability of rental equipment so that customers can see what's available."	<ul style="list-style-type: none"> • 602.1: Design the availability management UI. • 602.2: Implement the availability management UI in React. • 602.3: Create backend endpoints for updating equipment availability in Node.js/Express. • 602.4: Integrate frontend with backend for availability updates. • 602.5: Write unit tests for availability management functionality.
3: Rental Transaction Processing	603	"As a customer, I want to rent equipment online so that I can use it at my convenience."	<ul style="list-style-type: none"> • 603.1: Design the rental transaction UI. • 603.2: Implement the rental
			<ul style="list-style-type: none"> transaction UI in React. • 603.3: Create backend endpoints for processing rental transactions in Node.js/Express.

			<ul style="list-style-type: none"> • 603.4: Integrate frontend with backend for rental processing. • 603.5: Write unit tests for rental transaction functionality.
4: Sales Inventory Management	604	"As a Sales and Rent Manager, I want to manage sales inventory so that items are accurately tracked and available for purchase."	<ul style="list-style-type: none"> • 604.1: Design the inventory management UI. • 604.2: Implement the inventory management UI in React. • 604.3: Create backend endpoints for managing sales inventory in Node.js/Express. • 604.4: Integrate frontend with backend for inventory management. • 604.5: Write unit tests for sales inventory management functionality.
5: Sales Transaction Processing	605	"As a customer, I want to purchase items online so that I can have the gear I need for my surfing sessions."	<ul style="list-style-type: none"> • 605.1: Design the sales transaction UI. • 605.2: Implement the sales transaction UI in React.

			<ul style="list-style-type: none"> • 605.3: Create backend endpoints for processing sales transactions in Node.js/Express. • 605.4: Integrate frontend with backend for sales processing. • 105.5: Write unit tests for sales transaction functionality.
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8.Epic – Staff Handling

Feature	User Story ID	User Story	Tasks
Instructor Management	701	As a Surfing School Administrator, I want to manage instructor profiles (including adding, editing, and deleting instructor information) so that I can maintain an accurate and up-to-date record of all surfing instructors	<ol style="list-style-type: none"> Task 1: Design UI for adding and managing instructor profiles. Task 2: Develop backend API for instructor management. Task 3: Integrate UI with backend API. Task 4: Implement validation for instructor data input. Task 5: Develop a feature to track instructor availability. Task 6: Write unit and integration tests. Task 7: Documentation.
Staff Scheduling	702	As a Surfing School Operations Manager, I want to schedule instructors for lessons and	<ol style="list-style-type: none"> Task 1: Design UI for
		events, so that I can ensure that all sessions are adequately staffed.	<ol style="list-style-type: none"> scheduling staff. Task 2: Develop scheduling logic for surf lessons.

			<ol style="list-style-type: none"> 3. Task 3: Implement shift assignment and notification. 4. Task 4: Integrate with a calendar system. 5. Task 5: Implement conflict detection. 6. Task 6: Conduct load and performance testing. 7. Task 7: Documentation.
Payroll Management	703	As an Administrator, I want to manage payroll for the instructors and staff so that everyone is paid accurately and on time.	<ol style="list-style-type: none"> 1. Task 1: Design payroll management UI. 2. Task 2: Develop backend payroll processing logic. 3. Task 3: Integrate payroll with scheduling. 4. Task 4: Implement payment tracking and history. 5. Task 5: Compliance and tax calculation.

			6. Task 6: Test payroll accuracy. 7. Task 7: Documentation.
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Product Backlog

Priority Scale

1 - Highest Priority

2 - Normal Priority

3 - Less Priority

User Story ID	User Story	Estimated Hours	Priority	Status
90	1.1 "As a new user, I want to register an account so that I can access the surfing school system."	0.25	1	To be started
91	2.1 "As a user, I want to verify my email address after registration so that my account is secure."	1	2	To be started
92	3.1 "As a user, I want to reset my password so that I can regain access if I forget it."	0.5	2	To be started
93	4.1 "As a user, I want to update my profile information so that my details are always up-to-date."	0.75	2	To be started
94	5.1 "As a user, I want to view my profile so that I can see my information and make changes if necessary."	0.50	2	To be started
100	1.1-"As an instructor, I would like to schedule lessons so that students can book them online."	1	1	To be started
101	2.1:"I as an instructor want to Establish My Lesson Availability so that students can view my open Slots"	0.75	2	To be started
102	3.1"“As a student, I want to book lessons online so that I can attend them at my convenience.”"	0.25	3	To be started
103	4.1 “As a student, I want to cancel my booked lessons so that I can free up my schedule if needed.”	0.10	3	To be started
104	5.1: “As a student, I want to view my lesson history so that I can track my progress.”	0.50	2	To be started

105	6.1:"As an instructor, I want to send lesson reminders to students so that they don't miss their lessons."	1	1	To be started
201	1.1 As the head of the school, I would want to organize a new event. in order for me to oversee the schedules and activities of surfing school	0.75	1	To be started
202	2.1 As an event planner of the school, I want to register students to events that in the school	0.50	2	To be started
203	3.1As an event planner, I want to send notifications for all the parties about upcoming events	0.75	1	To be started
204	4.1 as an event planner, I want to manage event calendar day by day including all the details of all events	0.50	2	To be started
300	1.1: "As a Financial Manager, I want to view a history of all payments so that I can monitor and review financial transactions."	1	1	To be started
301	2.1: "As a Financial Manager, I want to process refunds to users so that I can handle returns or cancellations efficiently."	0.75	1	To be started
302	3.1: "As a Financial Manager, I want to generate a monthly financial report so that I can analyze the financial performance of the system."	0.50	1	To be started
303	4.1: "As a Financial Manager, I want to apply discounts to certain payments based on predefined special offers, so that promotions are correctly reflected in the payment process."	0.50	2	To be started
304	5.1: "As a customer, I want to be able to save my card to the system according to the payment type and method and	0.90	2	To be started

	edit and delete my card, So, I can pay my payment immediately.”			
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305	6.1: “As a customer, I want to get a membership token. So, I can get the membership card.”	0.50	3	To be started
306	7.1: “As a customer, I want to get a payment invoice. So, I can know about my package payment details.”	1	1	To be started
307	8.1: “As a Financial Manager, I want to upload all financial reports in the system to the payment page. So, I can help to check the financial report in the same place in case of an emergency.”	0.75	2	To be started
308	9.1: “As the manager, I want to check the financial reports in the system. So, I can know payment details for managing the system.”	0.50	1	To be started
401	As an Equipment Manager, I want to register new equipment so that it can be tracked and managed in the system.	0.25	1	To be started
402	As an Administrator, I want to register equipment so that it is available for use in the surfing school.	0.50	2	To be started
403	As an Equipment Manager, I want to edit equipment profiles so that I can update their information.	0.25	2	To be started
404	As an Equipment Manager, I want to view equipment profiles so that I can manage equipment information.	0.50	2	To be started
405	As an Equipment Manager, I want to log maintenance activities for equipment so that I can track its condition.	0.25	1	To be started
406	As an Equipment Manager, I want to view maintenance history so that I can assess the condition of equipment.	0.10	2	To be started

407	As an Equipment Manager, I want to allocate equipment to students and instructors so that it can be tracked and managed.	0.30	1	To be started
408	As an Instructor, I want to view allocated equipment so that I know what is assigned to me.	0.25	3	To be started
409	As an Equipment Manager, I want to manage equipment inventory so that I can keep track of available stock.	0.50	2	To be started
410	As an Administrator, I want to monitor equipment inventory so that I can ensure adequate stock levels.	1	1	To be started

411	As an Equipment Manager, I want to generate reports on equipment usage and condition so that I can make informed decisions.	1	1	To be started
412	As an Administrator, I want to view equipment performance reports so that I can improve inventory management.	0.50	2	To be started
501	As a Supplier Manager, I want to register new suppliers so that they can be added to the system.	0.50	1	To be started
502	As a Supplier, I want to register with the system so that I can supply goods.	0.75	2	To be started
503	As a Supplier, I want to edit my profile so that I can update my information.	0.25	3	To be started
504	As a Supplier Manager, I want to view supplier profiles so that I can manage supplier information.	0.50	2	To be started
505	As a Supplier, I want to view and manage my orders so that I can keep track of order statuses.	0.75	2	To be started
506	As a Supplier Manager, I want to assign orders to suppliers so that orders are processed efficiently.	0.50	2	To be started
507	As a Supplier, I want to manage my inventory so that I can keep track of available stock.	1	3	To be started
508	As a Supplier Manager, I want to monitor supplier inventories so that I can ensure adequate stock levels.	0.50	3	To be started

509	As a Supplier Manager, I want to generate reports on supplier performance so that I can evaluate and improve supplier relationships.	0.75	2	To be started
510	As a Supplier, I want to view my performance reports so that I can improve my services.	0.50	3	To be started
601	"As a Sales and Rent Manager, I want to add new rental equipment to the system so that it's available for customers to rent."	1	1	To be started
602	"As a Sales and Rent Manager, I want to update the availability of rental equipment so that customers can see what's available."	0.75	2	To be started
603	"As a customer, I want to rent equipment online so that I can use it at my convenience."	0.50	2	To be started
604	"As a Sales and Rent Manager, I want to manage sales inventory so that items are accurately tracked and available for purchase."	0.25	2	To be started
605	"As a customer, I want to purchase items online so that I can have the gear I need for my surfing sessions."	1	1	To be started
701	As a Surfing School Administrator, I want to manage instructor profiles (including adding, editing, and deleting instructor information) so that I can maintain an accurate and up-to-date record of all surfing instructors	1	1	To be started
702	As a Surfing School Operations Manager, I want to schedule instructors for lessons and events, so that I can ensure that all sessions are adequately staffed.	0.75	2	To be started
703	As an Administrator, I want to manage payroll for the instructors and staff so that everyone is paid accurately and on time.	0.50	2	To be started

1 st Sprint

In this, we have mentioned the tasks for our first sprint

Priority	Product Backlog Item	Tasks	User Story ID	Estimated Hours	Owner
1	1.Register accounts	Create register page for registrations. Create submit button	90	20mins	IT22281500
2	2.verify email address after registration	Send verification message for email and verify the customer.	91	30mins	
2	3.reset password	Customer enter user credentials if the password is incorrect they can reset password.	92	10mins	

		Add button forget password.			
2	View profile	Add view profile button in home page.	94	5mins	
2	Schedule Lessons	Create page for schedule lessons.	100	30mins	IT22127778
		Create Add lesson button		5mins	
		Add description about Lesson		10mins	
		Upload lesson		10mins	
2	Book Lessons	Create page for course packages	101	20mins	
		Create button for view course details		5mins	
		Create button for book course		5mins	
		Create button for do payments now		5mins	
2		Create page for booked courses	102	20mins	

	Cancel Booked Lesson	Create button for cancel booking		5mins	
		Create text box for type concern		7mins	
		Create button for send concern		5mins	
1	Organizing and creating events	create event planner page. Add button create events Add button manage events Add form for get event details	201	30mins	IT22243980
1	Notification Management	Create notification page. Add button send notification Add text area for type the message.	203	40mins	

2	Event Calendar Management	Create calendar page. Add calendar to mark dates. Add save button for save calendar details.	204	40mis	
1	View payment history	Create payment page. Add button view history.	300	45mins	IT22165848
1	Generate Monthly Financial Report	Create table for add financial report.	302	30mins	
2	Apply Discounts on Payments	Add discount button for payment page	303	15mins	
1	Get payment invoice	Create button get invoice	306	10mins	
2	Upload financial reports	Create drag and drop box for upload.	307	30mins	
1,2	Equipment registration	Create equipment page. Create a registration form.	401,402	45mins	IT22083814
1,2	Equipment Maintenance	Add check box for mark maintainable equipment	405,406	30mins	
2,1	Equipment Inventory Management	Add drop down box for make inventory	409,410	30mins	
1,2	Equipment Reporting	Add text area for make a report.	411,412	15mins	
1,2	Supplier management	Create supplier page.	501,502	45mins	IT22168740
2,2	Order Management	Add order management button	505,506	5mins	
3,3	Inventory management	Drop down box for manage inventory	507,508	10mins	
1,2	reporting	Create table for make reports.	509,510	10mins	
1	Rental Inventory Management	Create page inventory manager.	601	45mins	

2	3: Rental Transaction Processing	Add form for transaction details.	603	40mins	IT22256300
2	4: Sales Inventory Management	Add button for get sales inventory.	604	10mins	
1	Instructor Management	Create page staff. Add button instructors.	701	45mins	IT22235688
2	Staff Scheduling	Add calendar for schedule staff for each dates	702	45mins	
2	Payroll Management	Create page payroll management.	703	45mins	

Kanban Board

<https://trello.com/invite/b/66b99f67d157177e02aba957/ATTI690981043d757c444bb91479154992bc93181C0C/my-trello-board>

