



Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 – 2022

Project Charter

Title of the Project :	Travel Booking system	
Batch :	2023 Feb Group – Weekday	Group No: T27
Development Technology :	MERN – Mongo DB Express Js React Js Node Js	

Description of the Project:

The travel booking system is a tool that helps people plan and book their trips. It allows users to find and compare different options like flights, hotels, rental cars, and activities. The app is easy to use and has a user-friendly interface, making it simple to book the options they want.

The system uses a powerful database to store information about travel options and user data such as preferences and past bookings. It also has a strong search engine that allows users to look for options based on things like price, date, and location. To keep payments safe, the system has payment processing capabilities.

In addition to these basic features, the travel booking system also has extra features like user accounts, the ability to track and manage bookings, and security measures. These features are designed with security, performance, and scalability in mind. The goal of the travel booking system is to provide a convenient and enjoyable experience for users. It makes it easy for them to plan and book their trips. The app has everything they need to find and book the travel options they want.



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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.	Fernando S.R.N.M	IT21561566	+94 77 033 3510	it21561566@my.sliit.lk
2.	De Silva L.M.C	IT21301704	+94 71 276 1301	it21301704@my.sliit.lk
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4.	Tharaki D.H.D	IT21254970	+94 77 276 7876	IT21254970@my.sliit.lk
5.	Kumarasinghe O.A	IT21174308	+94 75 710 7968	IT21174308@my.sliit.lk
6.	Siriwardana K.D.S.P	IT21293894	+94 71 088 8133	IT21293894@my.sliit.lk
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List of Functions Developed by the Group Members:

	Name with Initials	Brief Description of the Function
1.	Fernando S.R.N.M	<p>Hotel Booking:</p> <p>Search: Users enter their travel dates and destination and the website will display a list of available hotels in the area, with details such as location, room type, price, and amenities.</p> <p>Filtering and Sorting: Users can narrow down the search results by using filters such as price, star rating, location, and amenities. They can also sort the results based on different criteria, such as price, distance from the city center, or guest ratings.</p> <p>Room Selection: Once the users have found a hotel that meets their needs, they can view more details about the rooms, including photos, descriptions, and availability.</p> <p>Booking: After selecting a room, the users can proceed to the booking process, which typically involves entering personal and payment information, and agreeing to the hotel's terms and conditions.</p> <p>Confirmation: Upon completion of the booking process, the users will receive a confirmation email or a booking voucher with all the details of their reservation.</p> <p>Extra features : Augmented reality images or Adding Virtual tours , So the clients can have another level of an experience.</p>
2.	De Silva L.M.C	<p>Itinerary Management</p> <p>Itinerary creation: Once the user has made their bookings, the website should automatically create an itinerary that combines all the details of their trip, including flight times, hotel details, and tour information.</p> <p>Itinerary viewing: The itinerary management feature should provide a user-friendly interface for users to view and access all their bookings and itinerary details in one place.</p> <p>Itinerary editing: The feature should allow users to edit their itinerary if they need to make any changes, such as rescheduling a flight or adding a new activity.</p> <p>Itinerary sharing: The feature should provide the option to share the itinerary with friends and family or via social media.</p>



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		<p>Notifications and reminders: The feature should send notifications and reminders to the user, such as flight departure times, hotel check-in details, and tour times.</p>
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3.	Weerathunga W.A.R.N	<p>Employee Management</p> <p>Employee management systems streamline basic human resource services and improve workforce productivity. It achieves these goals by automating largely labor-intensive, administrative tasks and using analytics to drive business decisions.</p> <p>The main objective of employee management is effectively monitoring employee performance. It will let you know what tasks your employees are working on, how long they spend time on each task, and how productive they are at their work.</p> <p>Simply put, employee management helps employees perform their tasks well while also enjoying the work they do and achieving the company's overall goals. Effective employee management should mutually benefit the company, its employees, and the community they serve.</p>
4.	Tharaki D.H.D	<p>Flight Booking</p> <p>From the admin side, adding airlines, updating airlines, deleting unwanted information, as well as displaying routes, prices for tickets, dates and times. And also travellers can book their desired seats. Foreign customers can also search for the flights they want. Also, they can choose and cancel a booking according to their desire. Also, can show offers and promotions. Shows the reviews of those who have received the service before. And if an airlines route changes, it can also be shown and informed about it.</p>
5.	Kumarasinghe O.A	<p>User Management</p> <p>There are two users, Registered and unregistered. Unregistered users have access to only the information about places. To get booked for a tour it is compulsory to be a Registered user. If the user is a foreign user then he has access to flight booking as well. After every booking the user get a confirmation message to their profile. There is a special discount offers for users who have booked more than ten travels with us. Also the user has the accessibility to update or delete his booking status through his profile.</p>



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6.	Siriwardana K.D.S.P	<p>Finance Management</p> <p>This section helps users to manage their travel expenses and budgets efficiently. Also, user can monitor and manage travel costs, including transport, hotel expenses, flight, shopping, trains and meals. It also provides tools for budget planning, forecasting, and cost analysis. When users add their expenses, it will be reduced from the budget accordingly. This is helps to optimize travel spend, reduce costs, and increase financial visibility and control. Additionally, a facility for generating charts for expense distribution and balance distribution are provided.</p>
7.	Prasadi P.G.K.	<p>Package management System</p> <p>includes all of the details to make the bookings of packages convenient for the users.</p> <p>The System ensures that, the customer are freely able to choose their packages and view their choosen package details. Package creation, pricing, promotion, tracking, and modification are all features of the promotional package management system. In addition we provide travel companies with the capability to create and customize travel packages to meet the needs of their customers. The system authorize the access for the admin to add the packages of companies, update the package details, delete the package details, view the package details and collect the general reports.</p> <p>Furthermore, customers can search for packages in their desired price range. And after they have selected a package, they can activate the package at the same time for any required number of people. Then the full payment will be calculated internally and displayed. After, the total price related to all the users will be updated in relevant user profiles.</p>



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8.	Weerasinghe N.S.I	<p>Car Rental</p> <p>Car rental services offer customers the opportunity to rent a vehicle for a specified period. The functions will be,</p> <ol style="list-style-type: none">1. <u>Vehicle selection</u> – The customer will be able to choose from a variety of vehicles to meet their needs such as Size (number of seats), Type (compact cars, sedans, SUVs, Vans, and luxury vehicles), make, model and the fuel type (petrol, diesel or EV).2. <u>Reservation and booking</u> – The customers can reserve their desired vehicle online. During this process if the customer wishes to drive the car him-self then he/she should provide a valid driving license.3. <u>Pick-up and delivery</u> - Customers can either pick up the car from the hotel itself or get it delivered to their location.4. <u>Insurance coverage</u> - Offering insurance coverage options to protect customers and their rental vehicles during the rental period.5. <u>GPS navigation</u> - A GPS navigation system will be used to track the whereabouts of the vehicles; this will be primarily used for the customer safety and to ensure the drivers take the allocated routes unless an unavoidable circumstance occur. This will also help in better fuel management.6. <u>Roadside assistance</u> – A 24-hour roadside assistance will be available for the customers, for this the live chat function will be implemented here too.7. <u>One-way rentals</u> – customers will be able to rent a vehicle in one location and return it in another, providing greater flexibility and convenience for travelers/tourists. <p>The primary function of a car rental service is to provide convenient and reliable transportation for individuals or groups in need of a vehicle.</p>
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