



Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2022



Project Charter

Title of the Project :	Hotel Management System for 'Hotel Peacock Corridor'	
Batch :	Weekday – Y2S2	Group No: 2.2
Development Technology :	MongoDB, Express, React Js, Node Js	

Description of the Project:

'Hotel Peacock Corridor' is an establishment that provides lodging to its customers. All the essential features such as booking, front desk, housekeeping, maintenance, employee management, tours, billing, invoicing and reporting are being done manually. According to the clients' requirements, the system will allow the customers to register online and then make reservations to acquire lodging at the hotel. Lodgers are given the option of purchasing meals from the hotel and are given access to use the swimming pool and gym. The customers can go on trips by selecting the tour packages provided by the hotel and by booking them online. Furthermore, the system is required to maintain details of the hotel employees including the salaries. Also, the information regarding the inventory and other utilities used at the hotel must be maintained.

The main problem to be addressed with regards to the system is to ensure that the customers have a smooth and hassle-free experience when accessing the web application. Moreover, the system should record the income and expenses to calculate the revenue of such a huge system which is really hard to be done manually. Also, the relevant data should be efficiently stored in the system.

Administrators are facilitated to insert, view, update, delete and search necessary data according to their priority to ease the daily management processes. The proposed system will ensure both the customers and the employees to have a great experience and relationship with the hotel. Implementing such a system would prove to be more cost-effective and time saving for both the hotel and its customers.



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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.	Punchiewa S N	IT20665166	071-165 3807	IT20665166@my.sliit.lk
2.	Probodha K W D S	IT20665098	071-251 5957	IT20665098@my.sliit.lk
3.	Yasantha C M K P	IT20637200	071-921 1773	IT20637200@my.sliit.lk
4.	Bandara H R H S	IT20662028	076-632 0198	IT20662028@my.sliit.lk
5.	Gajasinghe T D	IT20628840	076-815 7790	IT20628840@my.sliit.lk
6.	Dharitha G H S	IT20631574	077-287 7703	IT20631574@my.sliit.lk
7.	Wijethilaka R S S Y	IT20663704	071-946 6396	IT20663704@my.sliit.lk
8.	Francis J V	IT20010362	077-725 7736	IT20010362@my.sliit.lk



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List of Functions Developed by the Group Members:

	Name with Initials	Brief Description of the Function
1.	Punchihewa S N	Supply-Order Management: The Supplier is the person who supplies the materials which have been mentioned in the purchase order. The vendor can sign-up to the system, and then login to the system, view and update the vendor dashboard. The vendor can check the order list. After supplying the order, the vendor can create the relevant invoice to the order and edit the invoice. If he is unable to supply the materials, he can cancel the order. User Management: System Admin is the person who is responsible for managing the users, Inventory Manager, Finance Manager and Transport Manager. After logging into the system, the admin can view and edit the admin dashboard. He can add the above users to the system, view and edit the required details about the user and the admin can remove a user from the system if needed.
2.	Probodha K W D S	Booking and Reservation Management: The customer needs to sign-up and then login to the system to view and update the customer dashboard. Customers can book or reserve resources or services through the system. Also, the customer can view and update the booking details and will be able to cancel their bookings and reservations if needed. User Management: System Admin is the person who is responsible for managing the users, Resource Manager, Human Resource Manager and Catering Manager. After logging into the system, the admin can view and edit the admin dashboard. He can add the above users to the system, view and edit the required details about the user and the admin can remove a user from the system if needed.
3.	Yasantha C M K P	Finance Management: The financial manager receives salary slips and invoices for payments, and then generates the list of payments to be made with the descriptions. Also, will be able to remove a vendors' invoice from the list with approval for delayed payment. The financial manager will make the payment for the updated list



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		Finance Report Management: The finance manager receives the month-end reports from all the departments and generates the profit and loss account and uploads it to the web application to be viewed by the interested parties and the public.
4.	Bandara H R H S	Resource Management: The resource manager can add, view, update details and remove resources from the system. Resource manager manages rooms, swimming pools, gym and reception halls etc. Package Management: During the seasonal period, the hotel gives special packages for customers and the newly created packages will be displayed in the “what’s new page”. The resource manager can create packages such as couple packages and family packages with pool, etc. If there are any changes to be made, they also can be updated. If a package is no longer available, the management will remove it from the system and may introduce something new instead of it.
5.	Gajasinghe T D	Catering Management: The catering manager can add different types of food items that will be available to the customers. For each item, a unique id, name, description, type and price are given. This will be displayed on the online restaurant page for the customers to make orders. The Manager will be able to update details of the item and will be able to delete them. Also, a particular food item can be deleted entirely if it’s not purchased by the customers. Catering Order Management: A Chef will be assigned to each new customer orders, and changes can be made on the order if the customer requests. Also, the order can be passed for another chef if the previously assigned chef has another task to finish. The order request can be declined if the chef is not able to prepare the order at the time.
6.	Dharitha G H S	Employee Management: The human resources manager creates a vacancy for a job role and adds requirements, responsibilities and assigns a salary as the description. Also, will be able to change the requirements if required and update the description and post it on the web application. The vacancy can be deleted when a suitable applicant is appointed to the job role.



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		Employee profile management: An employee profile will be created for the selected applicant. The details and the salary for the job role will be entered into the system. The job role, description and the salary can be edited if the employee is promoted. Also, the profile will be deleted if the employee resigns the job.
7.	Wijethilaka R S S Y	Tour Management: In order to construct tour packages, the tour manager will be able to provide specifics such as the organizing schedule, routes, vehicles, and prices. Additionally, the management will be able to make changes to the information if needed and have them updated for the benefit of the clients. Customers may choose from a variety of packages to suit their needs. If there is a problem with a tour package, the tour manager may remove it, and the customer can cancel the package he booked as well. Feedback Management: Customers can share their experience via the 'customer feedback' page and the feedback can be edited, updated and deleted if the customer wishes to do. The feedbacks and the ratings for the hotel are visible on the web application. Also, the customers can post questions and clarify their doubts.
8.	Francis J V	Inventory Management: The inventory manager will be creating a new item when a requirement arises. He will be able to add details, descriptions and the quantity when they receive the goods from the vendor. Also, will be able to edit and update the description. Inventory quantity will be increased when receiving new stock, decreased when dispatching and will be deleted when the inventory gets destroyed or is no longer used for the hotel. Purchase Order Management: The purchase order will be created when a requirement of a new inventory arises and when the inventory reaches its re-order level. The inventory manager will be able to add and decrease the amount of quantity, will be able to edit and customize the order according to the necessity and send it to the vendor. Also, the inventory manager will be able to delete an item from the purchase order or the entire purchase order if required.