



Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2024

Project Charter

Title of the Project :	Innobot health	
Campus & Batch :	Malabe- Weekend	Group No: TW32
Development Technology :	Frontend - React.js, Backend - Spring Boot, Database - MongoDB	

Description of the Project:

Client and the current business: Innobot health -healthcare RPA

Current Problem: US healthcare is complicated. For insurances to do payments the claims must be billed, and this is a tedious manual task. Billers must spend a lot of time and most of the time insurances refuse payments because of manual inconsistencies.

Innovative solution you are planning to provide:

Introducing Solution, your comprehensive web portal designed exclusively for healthcare professionals and billers. Our innovative platform is meticulously crafted to streamline and automate the claims process, ensuring that healthcare providers receive maximum payments from insurance companies.

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

	Name with Initials (Surname first)	Registration Number	Contact Phone Number	Email
1.	S.A.N. Bamunusinghe	IT22515612	0772187484	it22515612@my.sliit.lk
2.	DME Wimalagunasekara	IT22917270	0768952222	it22917270@my.sliit.lk
3.	S A T Nayanapriya	IT22892058	0725203742	it22892058@my.sliit.lk
4.	Obeyesekere A D	IT22332080	0774801500	it22332080@my.sliit.lk
5.	Chamikara M G S	IT22905840	0712905241	it22905840@my.sliit.lk
6.	M F M Farsith	IT22354556	0770494812	it22354556@my.sliit.lk
7.	D S I Gamage	IT22907516	0779705099	it22907516@my.sliit.lk
8.	W A Malsha Haren	IT22307576	0788760703	it22307576@my.sliit.lk



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List of Functions Developed by the Group Members:

	Name with Initials	Description of the Function
1.	S.A.N. Bamunusinghe	<u>Inventory Management System</u> <ul style="list-style-type: none">♦ Monitor and update real-time information on the quantity and status of medical supplies, equipment, and pharmaceuticals within the hospital. Entirely managed by Innobot.♦ Maintain a database of suppliers, manage contracts, and track supplier performance to ensure a reliable source of quality medical products.♦ Implement barcode technology to efficiently scan and label items, aiding in accurate data entry, reducing errors, and streamlining the tracking process.♦ Can Add, Delete, update, and read a Inventory data as well.
2.	S A T Nayanapriya	<u>Staff Management System</u> <ul style="list-style-type: none">♦ For every practice enrolled it will get a separate staff management system. Staff management system is handled by the practice itself. In the initial setup practice will allocate the coordinators and the staff members. Coordinators will have the privileges to enroll new staff and new coordinators as well. Coordinators/Staff could also be removed.♦ Staff could be granted specific access and specific privileges to perform specific functions in the system.(Creating Insurances, creating claims, creating patients)♦ The privileges could allow a staff member to see/hide their Staff base. sending messages to all logged users. Sending messages to notify all staff members is also only allowed for selected users.♦ Can see each staff members activity within the system.♦ Can add, delete, update, and read a staff data as well.
3.	Obeyesekere A D	<u>Pharmacy Management System</u> <ul style="list-style-type: none">♦ Monitor and manage the stock levels of pharmaceuticals and medical supplies, ensuring accurate records of medications available in the pharmacy. Including details such as drug name, dosage, manufacturer, expiration date, and any special♦ Manage and request drug and supplies via mail to the registered drug stores.♦ Handle prescription details, track dispensing activities, and manage medication refills, ensuring adherence to regulatory requirements and patient safety.♦ Generate reports on medication usage, expiration dates, regulatory compliance, and other key metrics to support decision-making, regulatory adherence, and audit requirements.



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4.	W A Malsha Haren	<u>Patient Management System</u> <ul style="list-style-type: none">♦ The system focuses on adding the patients to the system. Patients could be added by the staff members and updated and deleted as necessary.♦ Patients will have their Claims and Insurance managed by their relevant systems. Adding a patient is done by filling a form and patients cannot login to the system or perform anything in the system.♦ Patients will only be there as a record and not a user.♦ Patients has their Name,DOB, Address and Accnum, MRN num, Subscriber IDs etc..
5.	DME Wimalagunasekara	<u>Notification Management System</u> <ul style="list-style-type: none">♦ User should be able to send notifications for practices, staff members, coordinators, patients, and all other affiliated parties in the system. Notifications will be directed via three channels Gmail, SMS and system notifications based on the notification preference of the users updated in user registration.♦ Users should be able to view, acknowledge and reply to the notifications received by clicking on the notification icon in the header.♦ The System focuses on adding notifications, sending notifications when a staff member allocated/mentioned on a place.♦ Notifications will be also sent out to relevant personnel when sensitive data is accessed via System notifications, Emails and SMS.♦ Notification management is accessed by user base and staff base alike.♦ Sent notifications can be accessed to view
6.	M F M Farsith	<u>Claim Management System</u> <ul style="list-style-type: none">♦ The system focuses on Adding, Deleting, Updating and Reading claims in the system.♦ A claim will be sent out the insurances to get the payments for the practices.♦ Claim will contain the procedures, Diagnosis and the patient details attached.♦ Claim status is also can be updated as pending, denied, etc. with a note attached.♦ When Claims get payments it should be posted. Those payments will be mentioned with where the payment came from.(Patient payment, Insurance payment).♦ Claim balances can be written off as well. Payments should be posted to CPT level of a claim.
7.	Chamikara M G S	<u>Insurance Management System</u> <ul style="list-style-type: none">♦ The system focuses on managing all the Insurances.♦ Insurances will have respective details and respective claims attached.♦ Insurances can be created, Deleted, read, and updated.



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		<ul style="list-style-type: none">♦ Insurances will have their fee schedules which shows the allowed amounts for a relevant CPT code.♦ Fee schedules can be updated.♦ Insurances will be linked with their respective portals for ease access for the staff.
8.	D S I Gamage	<p><u>Procedure and Diagnosis System</u></p> <ul style="list-style-type: none">♦ The system will contain the diagnosis codes (the reason for the procedure) and the procedure code.♦ Procedure codes can be added/updated/deleted and read to get a more descriptive on what the procedure code provides.♦ When adding a procedure code, the description of the code should also be mentioned.♦ When adding a diagnosis code, the description of the code should also be mentioned.♦ New Procedures and diagnosis are added by only privileged users.