



**Sri Lanka Institute of Information Technology**  
**Information Technology Project**  
**Year 2, Semester 2 - 2021**

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Sri Lanka Institute of Information Technology

**Royal Car Service Center Kotte**  
**Project Report**

Information Technology Project 2021

Project ID: **ITP2021\_S2\_B6-01-07**

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2021.10.13



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## Declaration

We declare that this project report or part of it was not a copy of a document done by any organization, university any other institute or a previous student project group at SLIIT and was not copied from the Internet or other sources

## Project details

<b>Title of the Project:</b>	Car service center management system for royal auto service center Kotte.
<b>Batch:</b>	Y2S2
<b>Development Technology:</b>	C#.Net, SQL



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## Abstract

This project is a windows application for the Royal Auto Car Service Center which is situated in Sri Jayawardhanapura Kotte. Earlier in this service center they had a manual system which the record keeping was done using books and excel sheets. As they are now enhanced their work quality and the endorsements of the service center, they suggested our team of developers to build up on a fully automated system for the internal operations of the car service center. Through this system each function will be assigned to a specific group of individuals and this system ensures that the integrity of the system and also the security is very high through admin-based logins and backups. This is a fully functional system aiming even the smallest problem that can occur in-house and it provides ease to the users because it is user friendly. The total system has been divided into 8 main parts including Booking management, Customer management, Vehicle management, Employee management, Stock management, Supplier management, Incoming finance management and outgoing finance manager. All the database records are maintained used a highly secure based procedure. In this system daily, monthly, and yearly records could be generated in each function. It helps in venturing through statistics clearly in any of the function. This system mostly tends to generate automatic calculations and results which ensures that the human-based errors will be at a bay when using. This system was built up using C# as the language and MySQL as the database type, in order to make this product more efficient.



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### Acknowledgement

As the ITP2021\_S2\_B6-01-07 group members we hereby express our heartiest gratitude to all who provided a good guidance and necessary support to complete our project task successfully. Special gratitude Special thanks goes to all the lecturers and instructors attach to the Information Technology Project (ITP) module, specially Lecture Mr. Buddika Harshanath for their guidance in starting the project, constant supervision, and support in completing the project successfully. The success of the work described in this document was done as our second-year project for the subject Information Technology Project. This project is the result of all the dedicated work of the group members and the encouragement, support, and guidance given by many others. Therefore, we would like to express our appreciation to all who gave us the support to complete this significant task. Also, we wish to thank all colleagues and friends for all their help, support, and valuable advice.



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### List of Acronyms and Abbreviations

UI	User Interface
ER	Entity Diagram



## 1. Introduction

### 1.1 Problem Statement

Currently our client uses a manual system using excel sheets and record books for record keeping purposes. Due to the high number of guest's records within a day, all the activities of the car service center has been a time-consuming purpose for our clients. So, it was the main problem that was needed to address from our system that was assigned to be built.

The employees and the owners of the car service center are messed up because of the amount of daily customers that arrives to the car service center.

Also furthermore,

- There were no particular way to manage all the customers effectively and as a result there were negative feedbacks on the service center though the service quality was high.
- There was no booking management system to the car service center. Because of that there was a huge rush especially on the holidays.
- Even for the existing customers in the excel sheets, the essential and barely changeable data of the customers were needed to provide again and again when the customer arrives in a different day within a year or with a different vehicle.
- Because of this manual method the customers who came at last were offered the service first. There were no any order of the service because of the mess.
- Also, because the incoming finance manager made bills to each and every customer without ensuring that the service is completed, there were major drawbacks in the profits because internal frauds were easily possible.
- The employee salary payment details were not in the formal way, and it was recorded manually in the excel sheets.
- Frauds were happening because all the details and calculations were hand done.
- Because the outgoing finance manager issued money without records there were not any formal method to prove that a payment was done.
- Till the last moment of the absence of the stock there were no any précised way to know how much stock needed and how much stock left.
- There were no such a friendly way to interact with the customers by providing discounts to them for their constant trust towards the service center.
- There were suppliers who supplied goods for a price over the range. There were not any particular way to monitor them because there were no any constant reports of the suppliers because the supplier details were added once in a while only.

Current manual system of this car service center makes work much harder, and it is more time consuming.

Our windows application for the internal structure of the car service center addresses to each and every problem very effectively and successfully.



## 1.2. Product Scope

A Desktop application for Royal auto service center Car service center management system Kotte. Was being developed by our team. The system is mainly covered the following functions through the Desktop application:

- + Booking Management
  - + Customer Management
  - + Vehicle Management
  - + Employee Management
  - + Stock Management
  - + Supplier Management
  - + Income Management
  - + Outgoing Management

Name and Registration Number	Function Name	Completed Function
Group Work		<ul style="list-style-type: none"> <li>✚ Login</li> <li>✚ Dashboard</li> <li>✚ Database Backup</li> <li>✚ Email access</li> </ul>
Weerasinghe T. R IT20178840	<b>Booking Management</b> 1.Booking Management 1.1 Main crud   1.2 Time Slot Chart   1.3 Service Slot   2.Accepting Booking	<ul style="list-style-type: none"> <li>✚ Add new booking.</li> <li>✚ Update booking.</li> <li>✚ Delete booking.</li> <li>✚ Search Any Details in booking.</li> <li>✚ Retrieve only the details of the confirmed booking.</li>   <li>✚ Display booking count in each time slot</li>   <li>✚ Checking Available Service Slot for customer required time.</li>   <li>✚ Add more details to the</li> </ul>



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		previously retrieved details and save in the Customer table
	<p>3.Report generation</p> <p>3.1 Main crud</p> <p>3.2 Calculations</p> <p>3.3 Booking type pie chart</p> <p>3.4 Download report</p>	<ul style="list-style-type: none"><li>✚ Retrieve daily booking day by day for a selected month.</li><li>✚ Calculate monthly total booking.</li><li>✚ Display the booking count for each booking type during the month.</li><li>✚ Retrieve all the loaded information to a PDF.</li><li>✚ Download the PDF</li></ul>
Hiruni J.M.D. K IT20183004	<p><b>Customer Management</b></p> <p><b>1.Main customer details management</b></p> <p>1.1The main CRUD operations</p>	<ul style="list-style-type: none"><li>✚ Add new customers to the customer table.</li><li>✚ Retrieve the existing customer details corresponding to a particular NIC and add an existing customer for a new service.</li><li>✚ View customer details to the customer table.</li><li>✚ Update customer details.</li></ul>



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		<ul style="list-style-type: none"><li>✚ Delete customer details.</li><li>✚ Search the customer details by any category that exists.</li><li>✚ View the profile of the customer by searching from the NIC.</li><li>✚ Export customer details to an excel sheet to prevent data loss.</li><li>✚ View the monthly report of the customer details.</li><li>✚ Generate the monthly counts of the customers</li><li>✚ Generate calendar and bar chart for the daily customer count.</li><li>✚ Generate the final pdf of the monthly statistics.</li></ul>
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	1.4 Service completion confirmation(insert)	<ul style="list-style-type: none"><li>✚ Retrieve selected fields from the customer table to the completed table by clicking the confirm button.</li><li>✚ Add customers from the customer table to the complete table.</li><li>✚ View completed services.</li></ul>
	<b>2.Completed services management</b>	<ul style="list-style-type: none"><li>✚ Delete completed customer services.</li><li>✚ Search completed service details by any category that exists.</li></ul>
	2.1Main CRUD	
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	2.3 Approve discounts	<ul style="list-style-type: none"><li>✚ Approve a discount to the customers on the third service, within the year for the same vehicle.</li></ul>



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	<p>2.3.1 Display discount</p> <p>2.4 Discount distribution bar chart.</p> <p><b>3.0 Customer interaction management</b></p>	<ul style="list-style-type: none"><li>✚ Illustrate the discounted customers in red color.</li><li>✚ View the yearly discount distribution bar chart.</li><li>✚ Print a preview of the page as preference.</li><li>✚ Send emails to the customers via the system.</li></ul>
Warnakulasooriya M.K. W IT20120702	Vehicle Management 1.Manage Vehicle	<ul style="list-style-type: none"><li>✚ Add arrived vehicles.</li><li>✚ View, update, and delete vehicle details.</li><li>✚ Generate a report of vehicle details by printing vehicle details</li></ul>
Walalawela K. K IT20119812	Employee Management 1.Add employee Details.  2.Employee attendance pie chart.  3.Report Generate.	<ul style="list-style-type: none"><li>✚ Add Employee Details.</li><li>✚ Update Employee details.</li><li>✚ Delete Employee Details.</li><li>✚ View Employee Details.</li><li>✚ Search Employee by Employee ID.</li> <li>✚ View monthly attendance.</li> <li>✚ Generate monthly report.</li></ul>
Nayanananda W.A.K. D IT20237622	<b>Stock Management</b> 1.Current Stock Management 1.1 Main crud	<ul style="list-style-type: none"><li>✚ Add new items to the current stock table.</li><li>✚ Update item details in the</li></ul>



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		<p>current stock table.</p> <ul style="list-style-type: none"><li>✚ Delete item details in the current stock table.</li><li>✚ View item details in the current stock table.</li><li>✚ Search items by item name.</li><li>✚ Insert the current item details to the database.</li></ul> <p>1.2Add items that have not enough quantity to another list</p> <ul style="list-style-type: none"><li>✚ View separately, the quantity of items that is lesser than the minimum quantity and the quantity of items that is closer to the minimum quantity.</li><li>✚ View current quantity and the minimum quantity of each item through the bar chart.</li><li>✚ Add items that have not enough quantity to another list to order.</li></ul> <p>1.3Calculation</p> <ul style="list-style-type: none"><li>✚ Get the total price of each ordered item.</li></ul> <p>1.4Report generation</p> <ul style="list-style-type: none"><li>✚ Generate a report with the current store item list and the ordered store item list.</li></ul> <p>2. Ordered Stock Management</p> <p>2.1 Main crud</p> <ul style="list-style-type: none"><li>✚ Retrieve details of items that have not enough quantity.</li></ul>
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		<ul style="list-style-type: none"><li>✚ Delete item details in the ordered list.</li><li>✚ View item details in the ordered list.</li><li>✚ Search items by item name in the ordered list.</li><li>✚ Insert the ordered item details to the database</li></ul>
Dilshan P A D S D IT20178154	<p>1. Supplier Registration Management</p> <p>    1.1 Add Supplier Details</p> <p>    1.2 Contact Suppliers</p> <p>    1.3 supplier Management pie Chart</p> <p>2. Stock Order Management</p> <p>    2.1 Ordering Out of Stock items.</p> <p>3. Supplier Report Management</p>	<ul style="list-style-type: none"><li>✚ Add new supplier details</li><li>✚ Update Supplier Details</li><li>✚ Delete Supplier Details</li><li>✚ view Supplier Details</li><li>✚ search supplier by using registration detail</li><li>✚ search supplier using CompanyName</li><li>✚ view Supplier Profile</li><li>✚ send Emails to suppliers</li><li>✚ Delete Supplier Profile</li><li>✚ view the suppliers by Their Item Types</li><li>✚ Retrieve Stock details</li><li>✚ search supplier by Item ID</li><li>✚ Get Supplier Email</li><li>✚ send Order Reserve Email to supplier</li><li>✚ Retrieve Supplier Details</li><li>✚ Retrieve Stock Details (OrderId,ItemId,Date)</li><li>✚ Generate Monthly Supplier Report</li></ul>



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Weerakoon L.M. R IT20182700	<p>Income Finance Management</p> <p>1 Bill management</p> <p>    1.1 Main crud</p> <p>    1.2 Calculations</p> <p>    1.3 Create and print the bill</p> <p>2 Service type management</p> <p>3 Income finance management</p> <p>    3.1 Main crud</p> <p>    3.2 Calculations</p>	<ul style="list-style-type: none"><li>✚ Search by customer NIC</li><li>✚ Check the customer availability</li><li>✚ Retrieve details if the customer exists</li><li>✚ Retrieve service type unit prices from the database</li><li>✚ Insert the transaction records into the database</li></ul> <ul style="list-style-type: none"><li>✚ Select the service types used</li><li>✚ Select the quantity used</li><li>✚ Get the total</li><li>✚ Give a discount if the customer is eligible</li></ul> <ul style="list-style-type: none"><li>✚ Create the receipt with all the relevant details</li><li>✚ Print the receipt</li><li>✚ Reset the bill</li></ul> <ul style="list-style-type: none"><li>✚ View service types and prices</li><li>✚ Update service type unit prices</li><li>✚ Search service types by name</li></ul> <ul style="list-style-type: none"><li>✚ View existing data</li><li>✚ Insert new data</li><li>✚ Update existing data</li><li>✚ Delete existing data</li><li>✚ Search data</li><li>✚ Retrieve relevant data to the charts by aggregate functions</li></ul> <ul style="list-style-type: none"><li>✚ Calculate and display current month total income</li></ul>
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# Sri Lanka Institute of Information Technology

## Information Technology Project

Year2, Semester 2 - 2021

		<ul style="list-style-type: none"><li>✚ Calculate and display current year total income</li></ul>
	<p>4 Report generator</p> <p>    4.1 Main crud</p> <p>    4.2 Calculations</p> <p>    4.3 Download report</p>	<ul style="list-style-type: none"><li>✚ Retrieve daily total day by day for a selected month, by using aggregate functions</li><li>✚ Load chart details from the database</li><li>✚ Calculate daily target failed days and achieved days</li><li>✚ Calculate monthly total</li><li>✚ Retrieve all the loaded information to a PDF</li><li>✚ Download the PDF</li></ul>
Ekanayaka N.G.R.P IT20226114	<p>Outgoing Management</p> <p>    1.Employee Salary Management</p> <p>        1.1. Add Employee Salary Manually.</p> <p>        1.2. Add Employee Salary by Employee Table.</p> <p>        1.3. Employee Salary Bar Chart.</p>	<ul style="list-style-type: none"><li>✚ Add New Salary Details Not inserted in Employee Table.</li><li>✚ Update Salary details.</li><li>✚ Delete Salary Details.</li><li>✚ View Salary Details.</li><li>✚ Search Salary by Salary ID.</li><li>✚ Add New Salary Details by Employee Table details.</li><li>✚ Update Salary details.</li><li>✚ Delete Salary Details.</li><li>✚ View Salary Details.</li><li>✚ Search Salary by Salary ID.</li><li>✚ Generate Salary Details Report.</li><li>✚ View complete yearly employee salary outgoing by bar chart.</li><li>✚ Search salary outgoing by year.</li></ul>



# Sri Lanka Institute of Information Technology

## Information Technology Project

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	2. Reserve Complete Outgoing Tables.	<ul style="list-style-type: none"><li>▪ Retrieve Employee Salary detail table by month and calculate total salary outgoing in the month.</li><li>▪ Retrieve Stock Cost detail table by month and calculate total stock cost outgoing in the month.</li><li>▪ Search Outgoing Details by Month.</li><li>▪ Calculate Total Outgoing (Employee Salary + Stock cost).</li></ul>
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### 1.3. Project Report Structure

The rest of the chapters of this project report is included all using methodologies for requirements, analysis, design, implementation, and testing phases of every implemented function. At the end it is concluded the product description with benefits, limitations, and references.

- Chapter 1 – Introduction
- Chapter 2 – Methodology
- Chapter 3 – Conclusion
- Chapter 4 – References



---

## 2. Methodology

### 2.1 Requirements and Analysis

#### **2.1.1 Detailed and specific requirements of the project**

Throughout this system we are able to manage all the activities of the company. So here we have 8 different functions with different features in each function.

1. Booking Management
2. Customer Management
3. Vehicle Management
4. Employee Management
5. Stock Management
6. Supply Management
7. Incoming Management
8. Outgoing Management

This system was developed after analyzing the operation of a Vehicle Service Center from start to finish and the needs of our client. Several iterations were conducted between ourselves and the client during the requirements collection process. Here, each of the requirements was analyzed in terms of its origin and viability. The objective of these iterations was to ensure requirements reliability and to validate them with the client's expectations and wishes. In addition to the client's requirements, we created the final app using the extras we added with the client's approval. Our main intention here was to deliver a best use friendly quality product at the end. We wanted to verify and validate the requirements to ensure that the specific actions representing the requirements actually took place within the desired standard, as we wanted to meet all of the client's needs very well without any omissions.



## 2.1.2 Requirement and Analysis

### 2.1.2.1 Functional Requirement

Functional requirements describe the input, behavior and output of the system as it relates to the system functionalities. That gives the clear idea of the total process of the system.

- Booking manager should be able to manage new or existing customer bookings to the system under customer's preference and also according to the calendar.
- Customer manager should collect and store new customer details to the system and keep updated existing customer details as well. Such as changes of phone numbers/email/address/vehicle and etc.
- Vehicle manager should manage customer's vehicle details in all the ways. Such as enroll vehicles to the system/remove sold or discarded vehicles/keep up with the services provided to each vehicle and etc.
- Employee manager should collect and document new employee details to the system and also keep updated with daily attendance of existing employees. OT salary also calculated by Employee manager.
- Stock management should be able to manage the stock in all the ways. Such as current stock/New entries/expenditures.
- Supply management should be able to handle all the suppliers. Supplier manager should take details from the Stock manager and restore the needs of the stock.
- Incoming finance management should be able to collect data from the Customer management database, calculate and add total income to the system.
- Outgoing management Should be able to collect data from the databases of Employee management and Stock management to calculate the total monthly expenditure and add to the system.

### 2.1.2.2 Non-Functional Requirements

The Non-Functional Requirements specifies the quality attribute of a software system. And also non-functional requirements are essential to ensure the usability and effectiveness of the whole software system.

#### ➤ Performance

Royal Car service center management System is a desktop application. It allows access only to authorized users. All the relevant department managers can access the system. Moreover, all the mangers able to Add/Update/Delete/Search/Generate Reports according to their relevant function. Some of the managers able to calculate such as income, profit, expenditures, attendance, salary, and etc.



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➤ **Efficiency**

This system is very efficient when it comes to sending emails to the customers and calculating employees' attendance, fixed salary, OT salary, and while generating reports.

➤ **Security**

This is made in a very safe way. As this needed to have higher security level system only allows access to authorized users. So we have implemented the system to restrict unauthorized users from accessing some parts of the system. Only the system admin can access all the parts of the system and delete the data from the system database.

- This data base has a backup system to avoid mistakes and rescue data.

➤ **Availability**

This system available 24/7 in order to perform the task. Therefore, we develop the system to back up data while working without having any crashes.

➤ **Scalability**

This system must have the ability to work when increased or expanding workload or scope. (as an example if the customer storing records are increasing day by day this system has the ability to handle that task and store that details).

➤ **Maintainability**

As we can back up, we are able to maintain the system easily. Backup systems ensure that data will be rescued while maintaining the system. So, it will not be affected anymore.

➤ **Reliability**

The system calculates and provide correct details such as Total income/Total Profit &Total expenditure of the system.



### 2.1.3 Use Case Diagrams

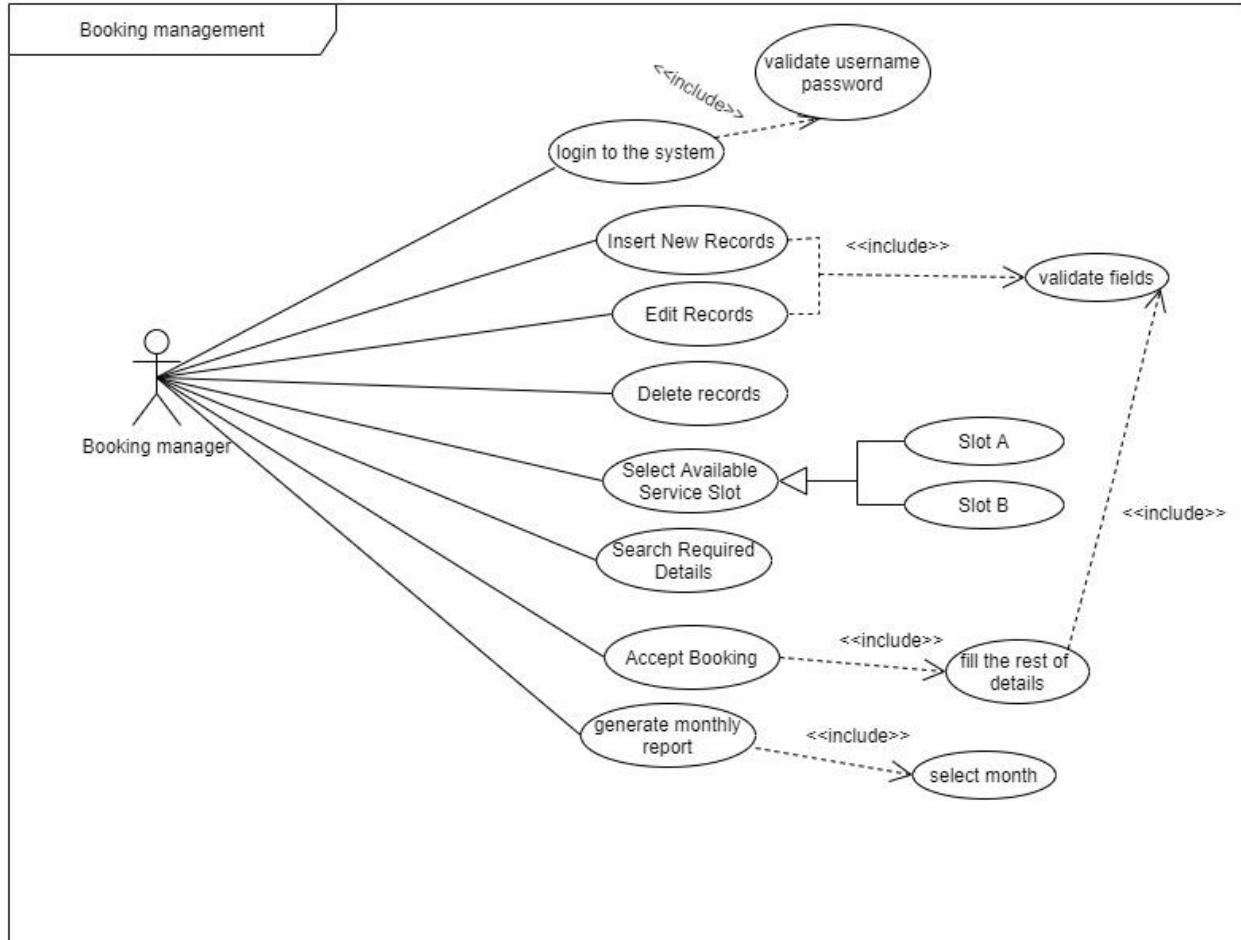


Figure 01



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

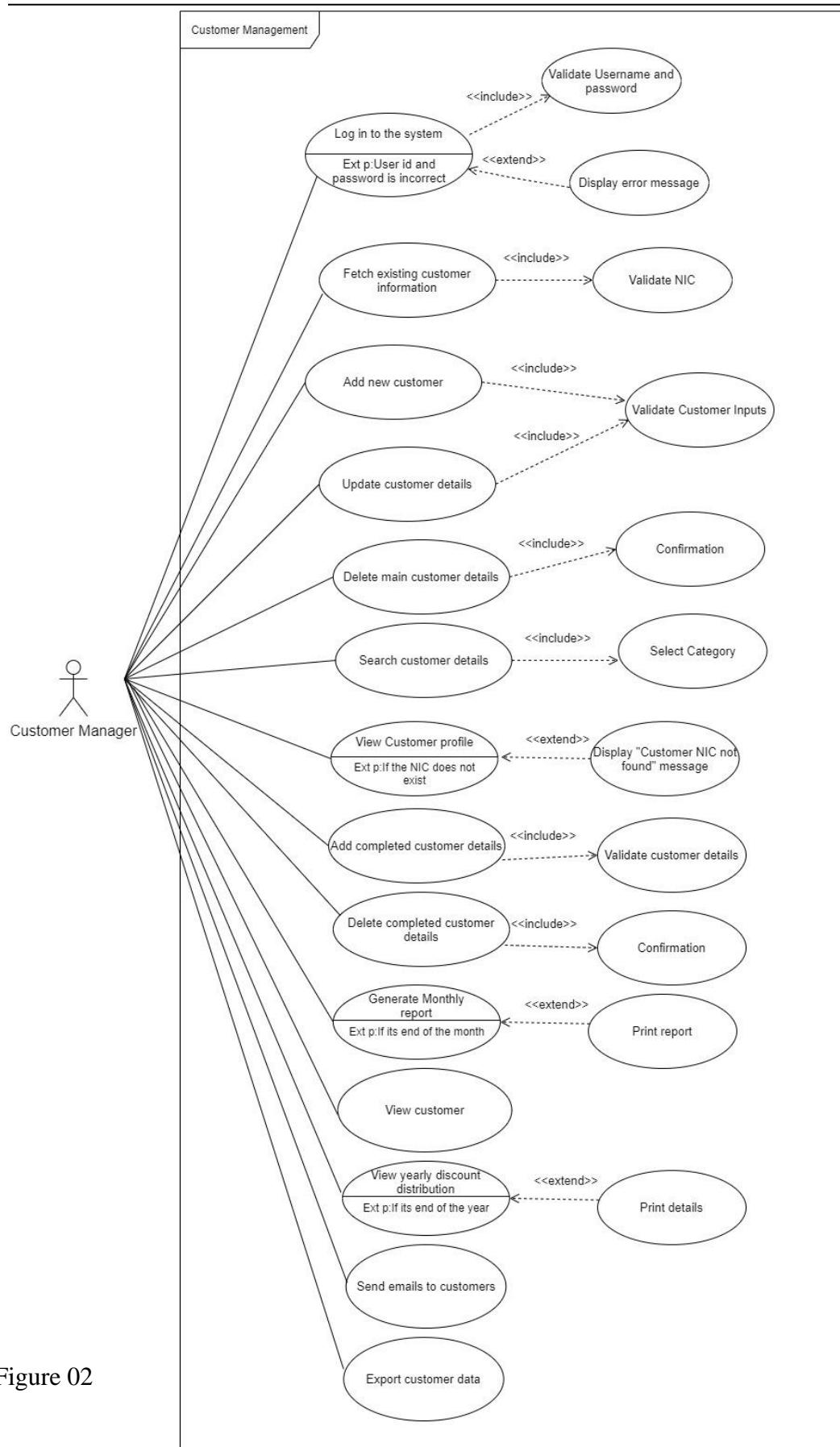


Figure 02



**Sri Lanka Institute of Information Technology**  
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**Year2, Semester 2 - 2021**

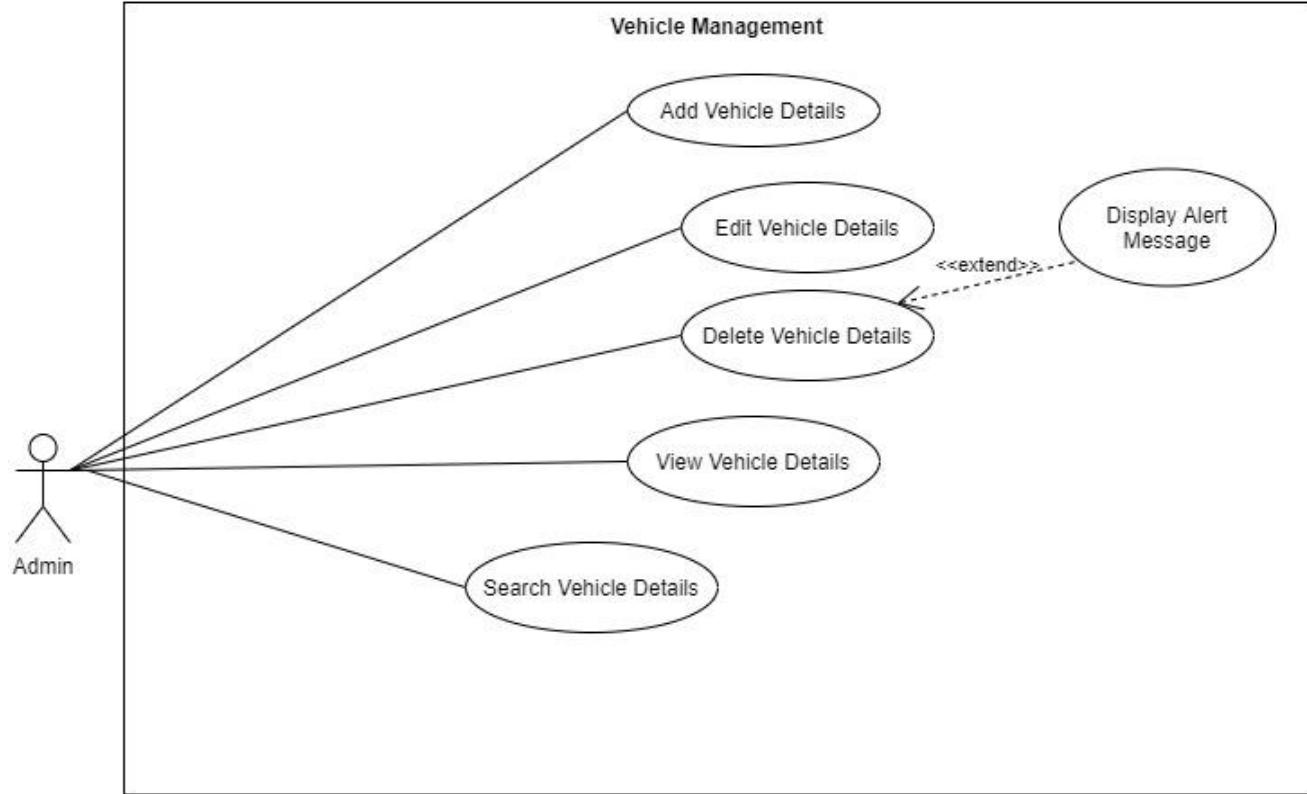


Figure 03



**Sri Lanka Institute of Information Technology**  
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**Year2, Semester 2 - 2021**

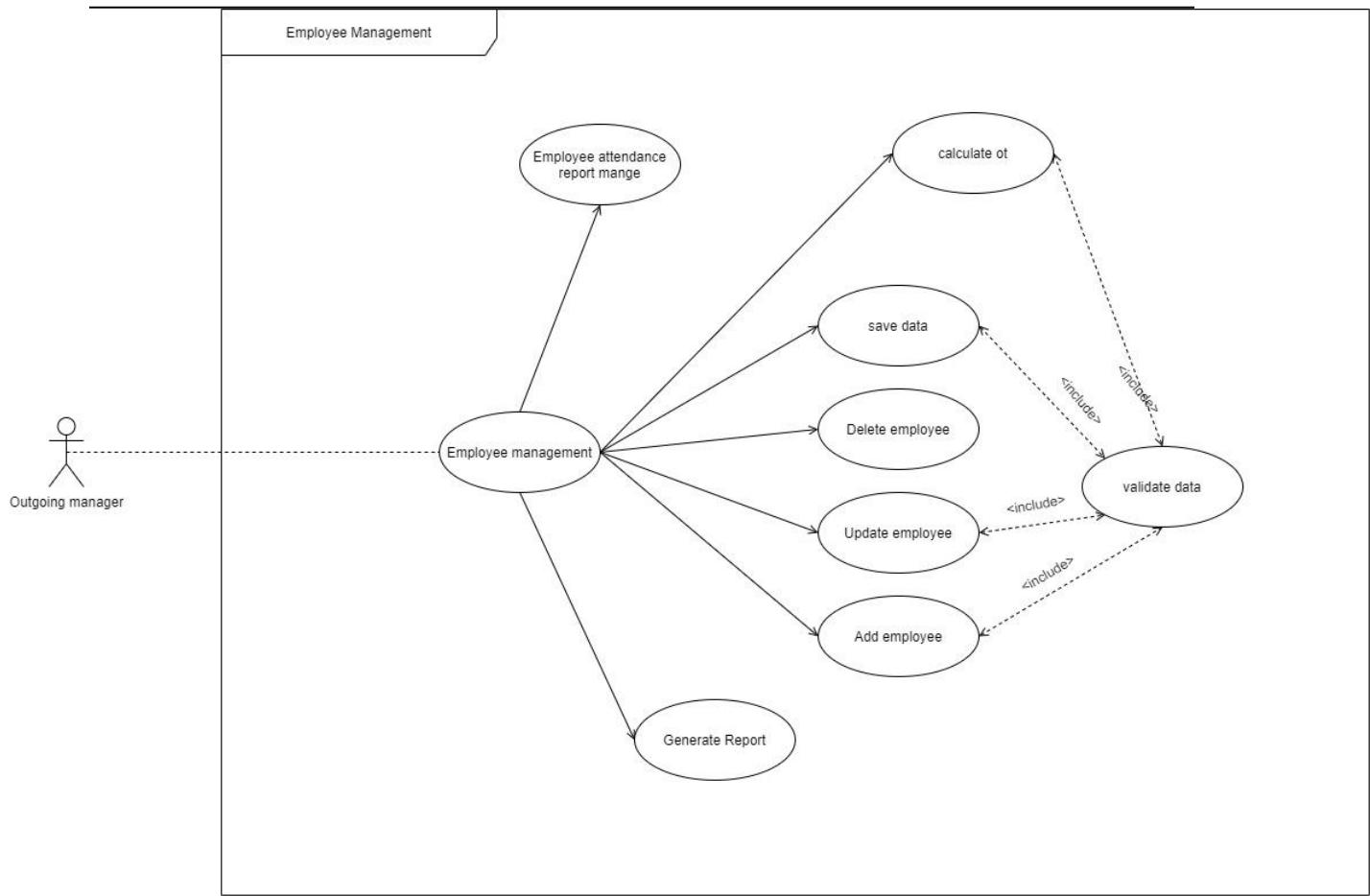


Figure 04



**Sri Lanka Institute of Information Technology**  
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**Year2, Semester 2 - 2021**

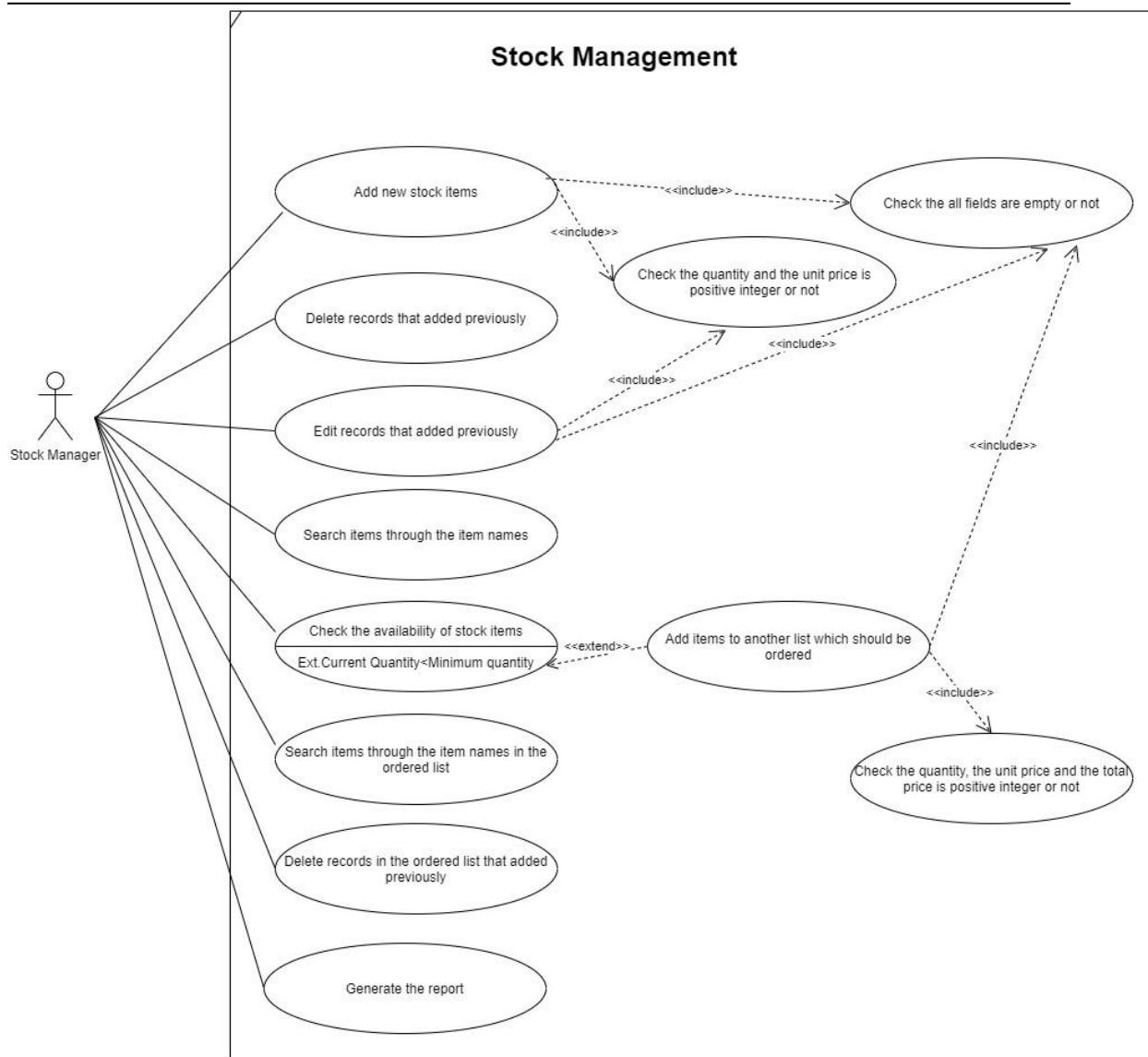


Figure 05



**Sri Lanka Institute of Information Technology**  
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**Year2, Semester 2 - 2021**

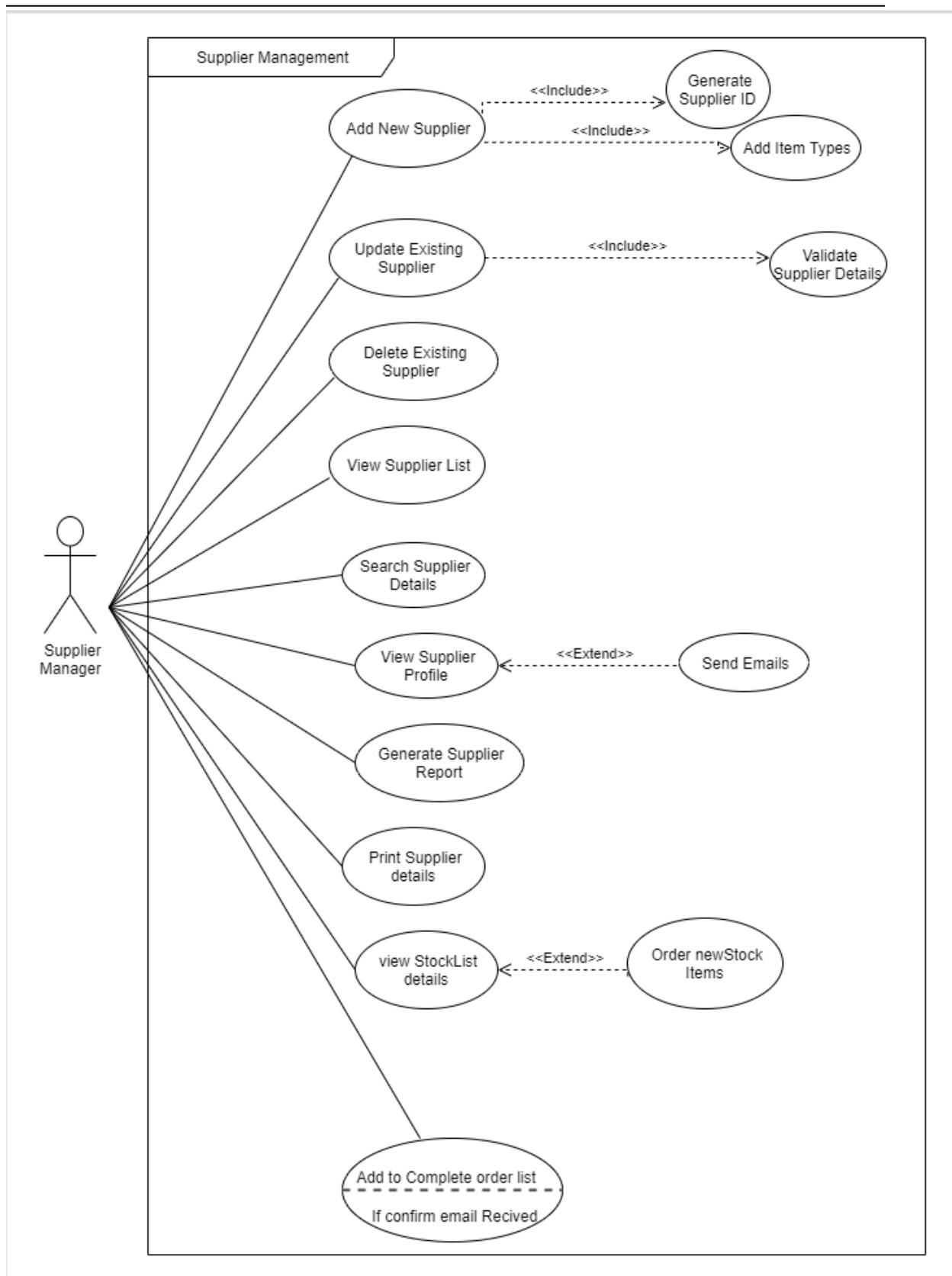


Figure 06



# Sri Lanka Institute of Information Technology

## Information Technology Project

Year 2, Semester 2 - 2021

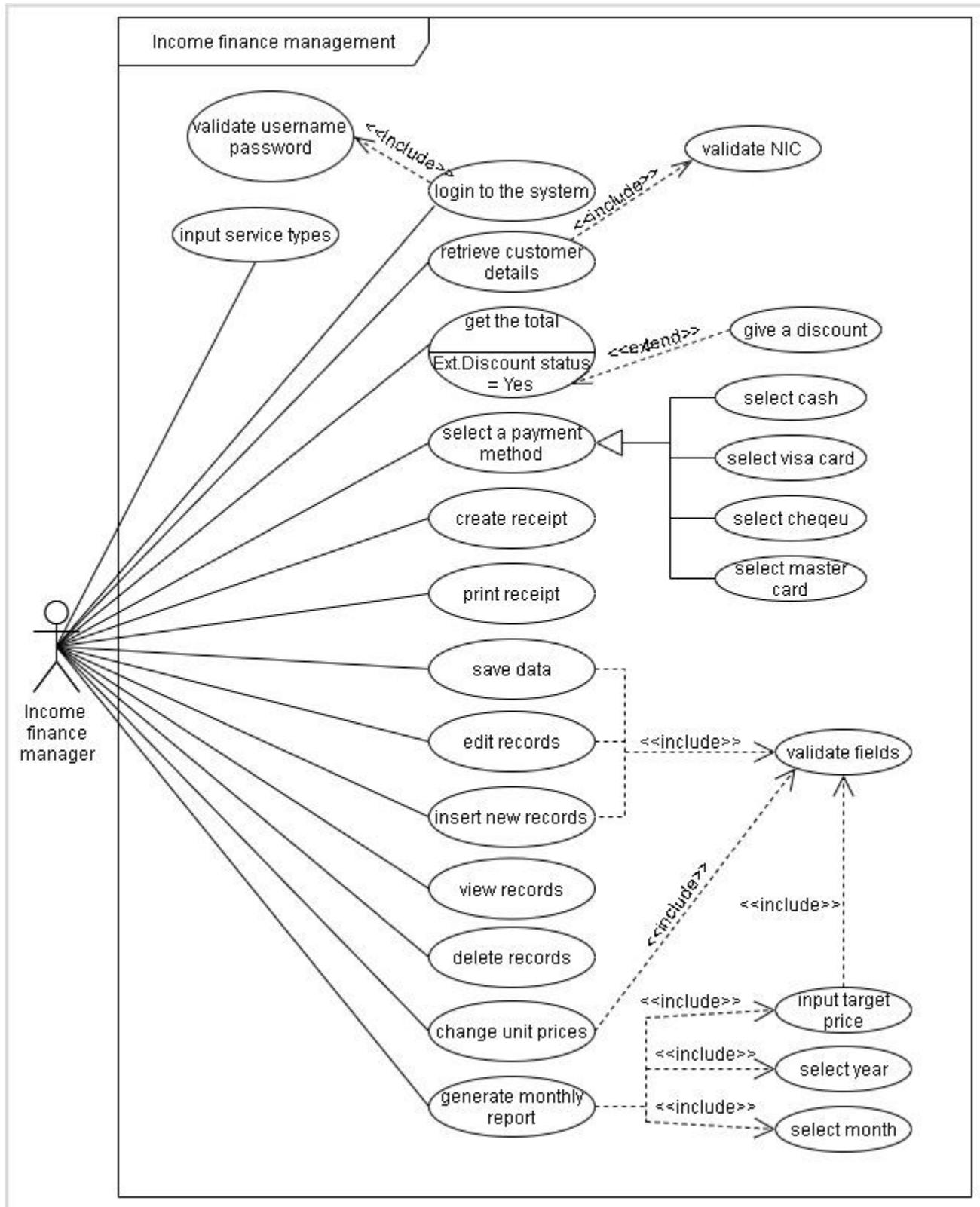


Figure 07



**Sri Lanka Institute of Information Technology**  
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**Year2, Semester 2 - 2021**

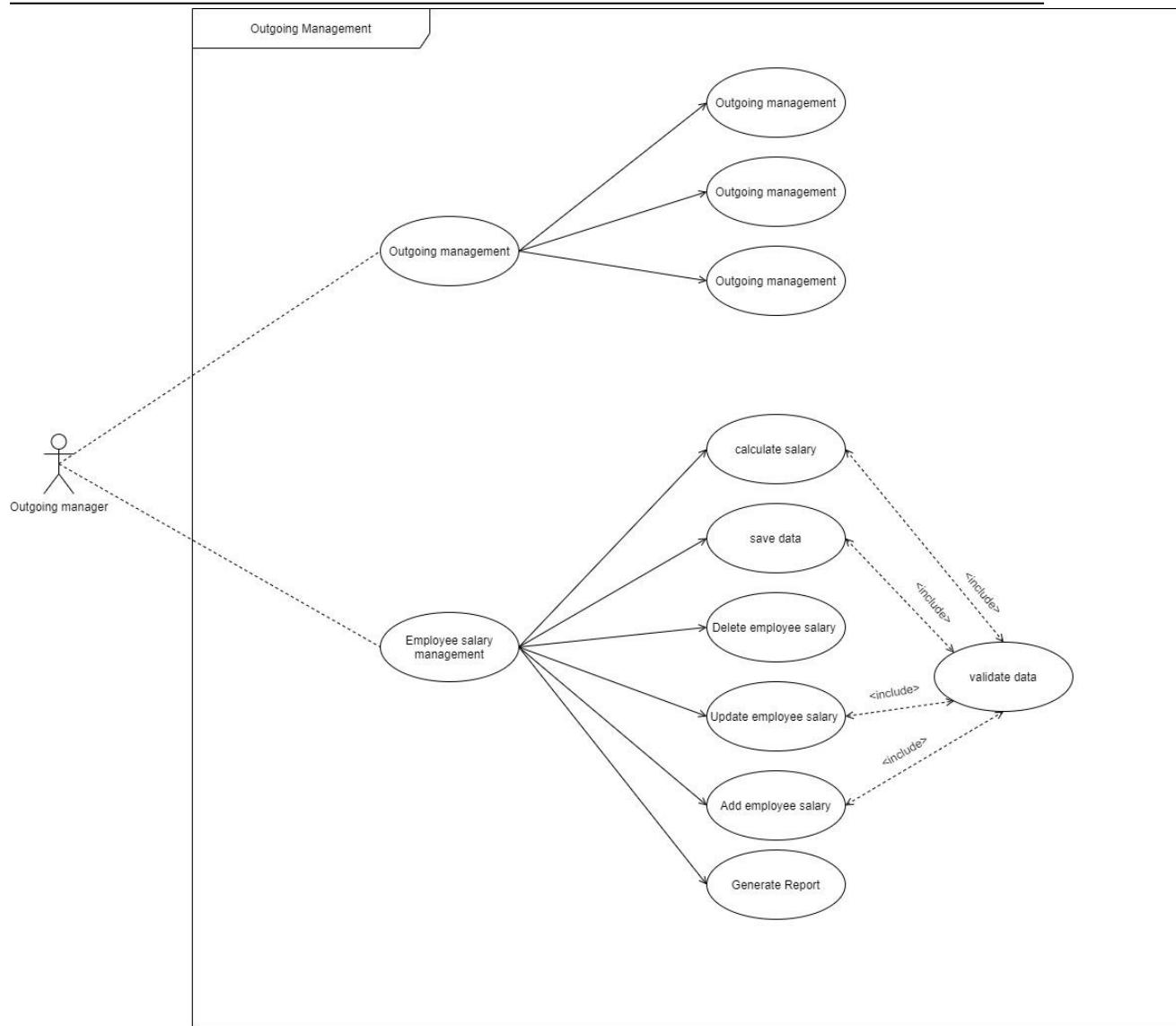


Figure 08

### 2.1.4 Activity Diagrams

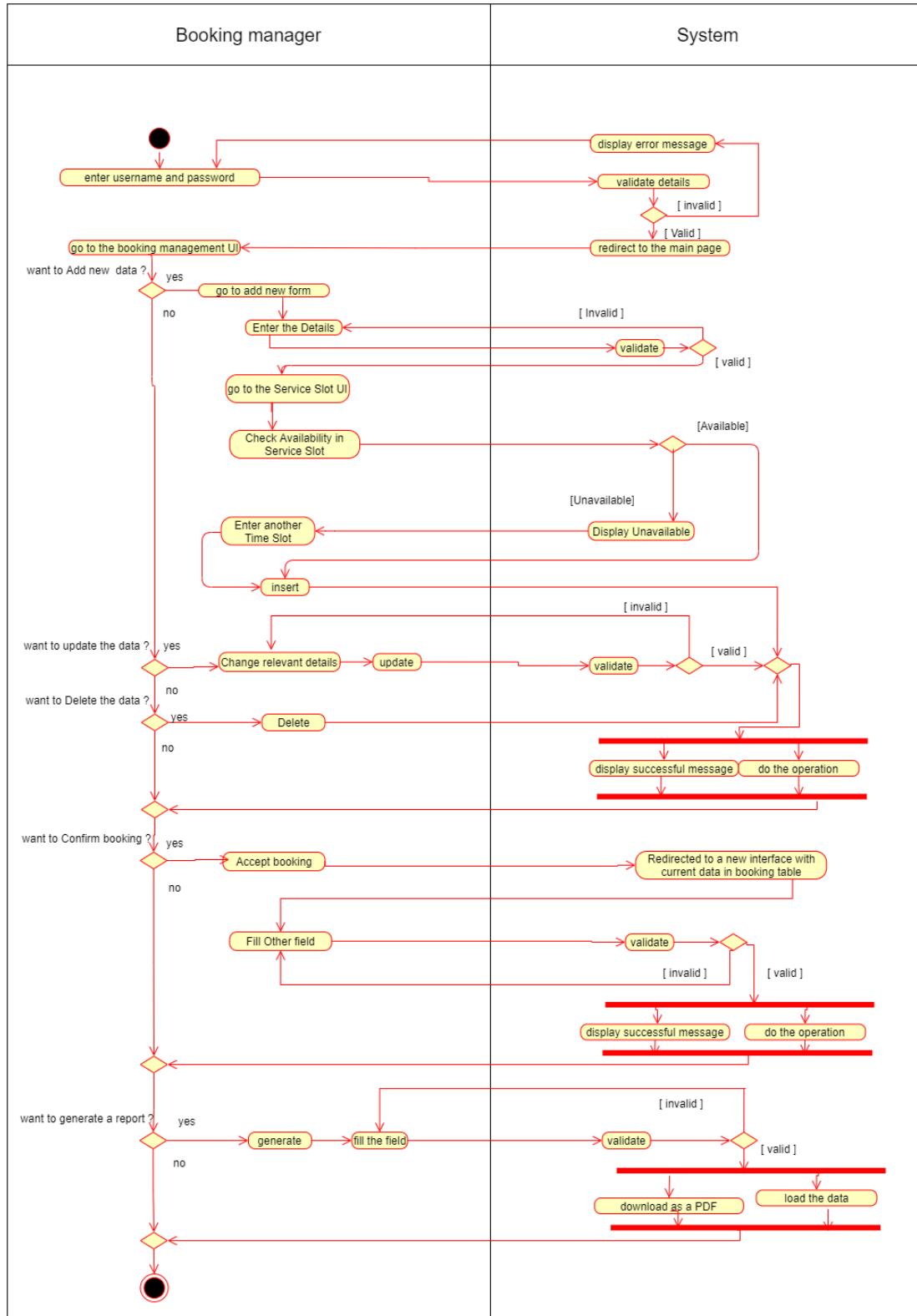


Figure 09



# Sri Lanka Institute of Information Technology

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### Year2, Semester 2 - 2021

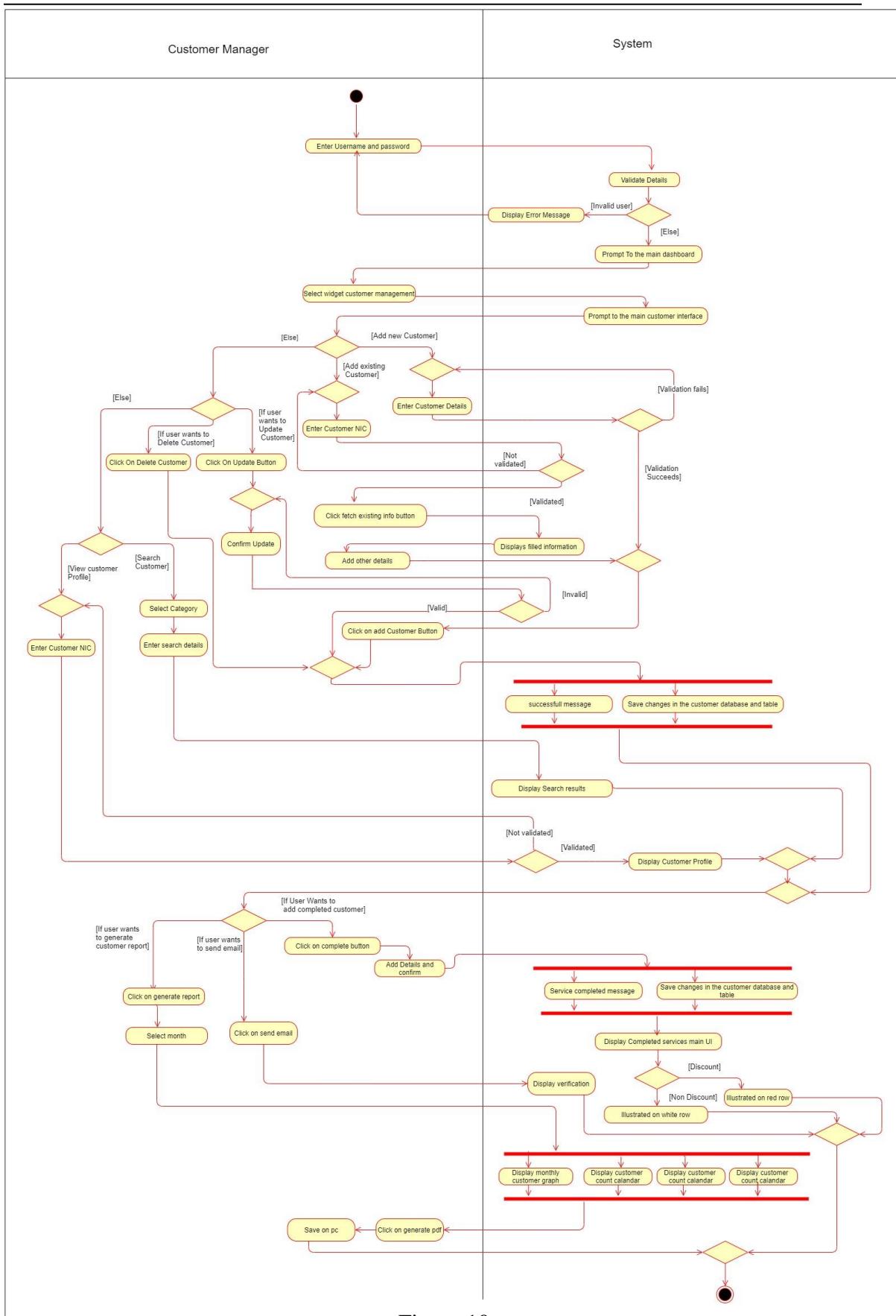


Figure 10



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

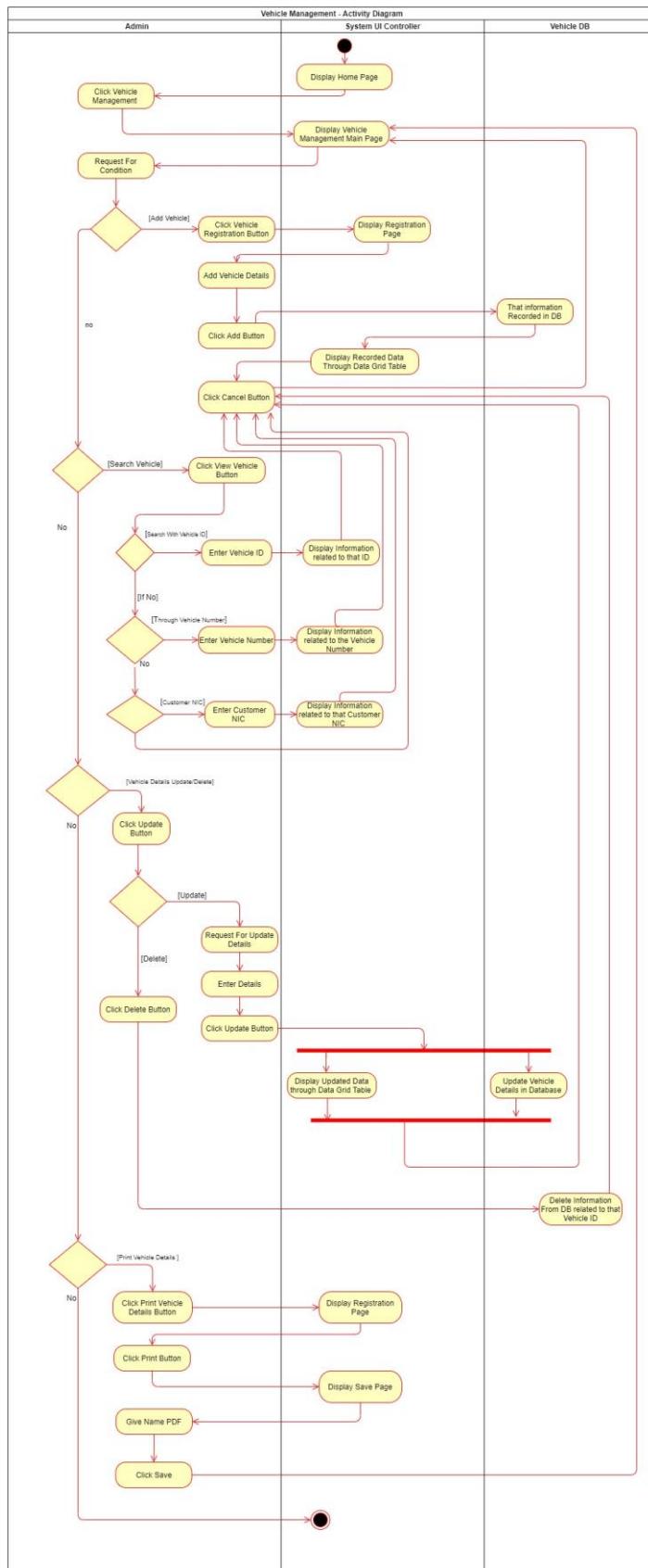


Figure 11



**Sri Lanka Institute of Information Technology**  
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**Year2, Semester 2 - 2021**

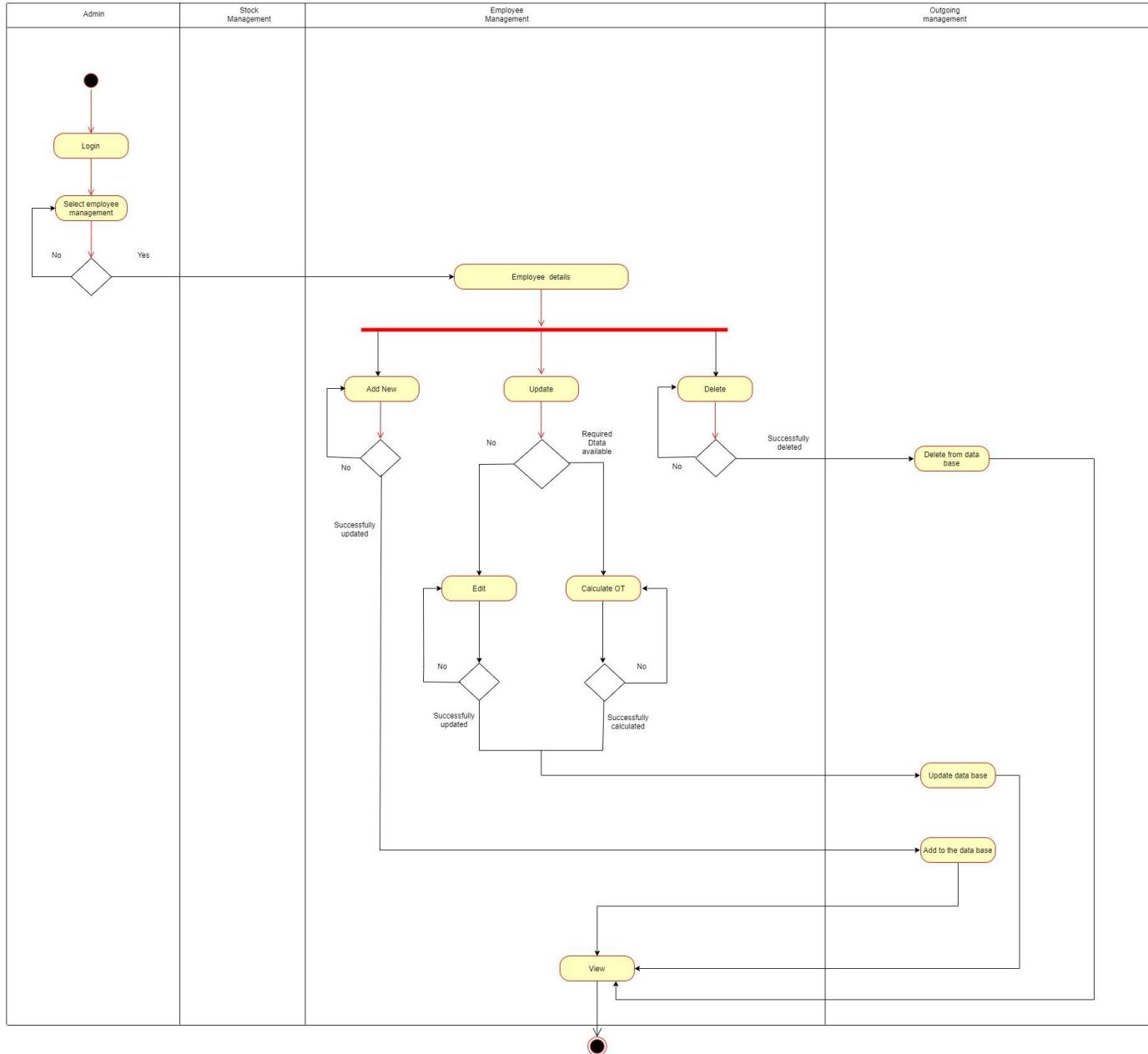


Figure 12

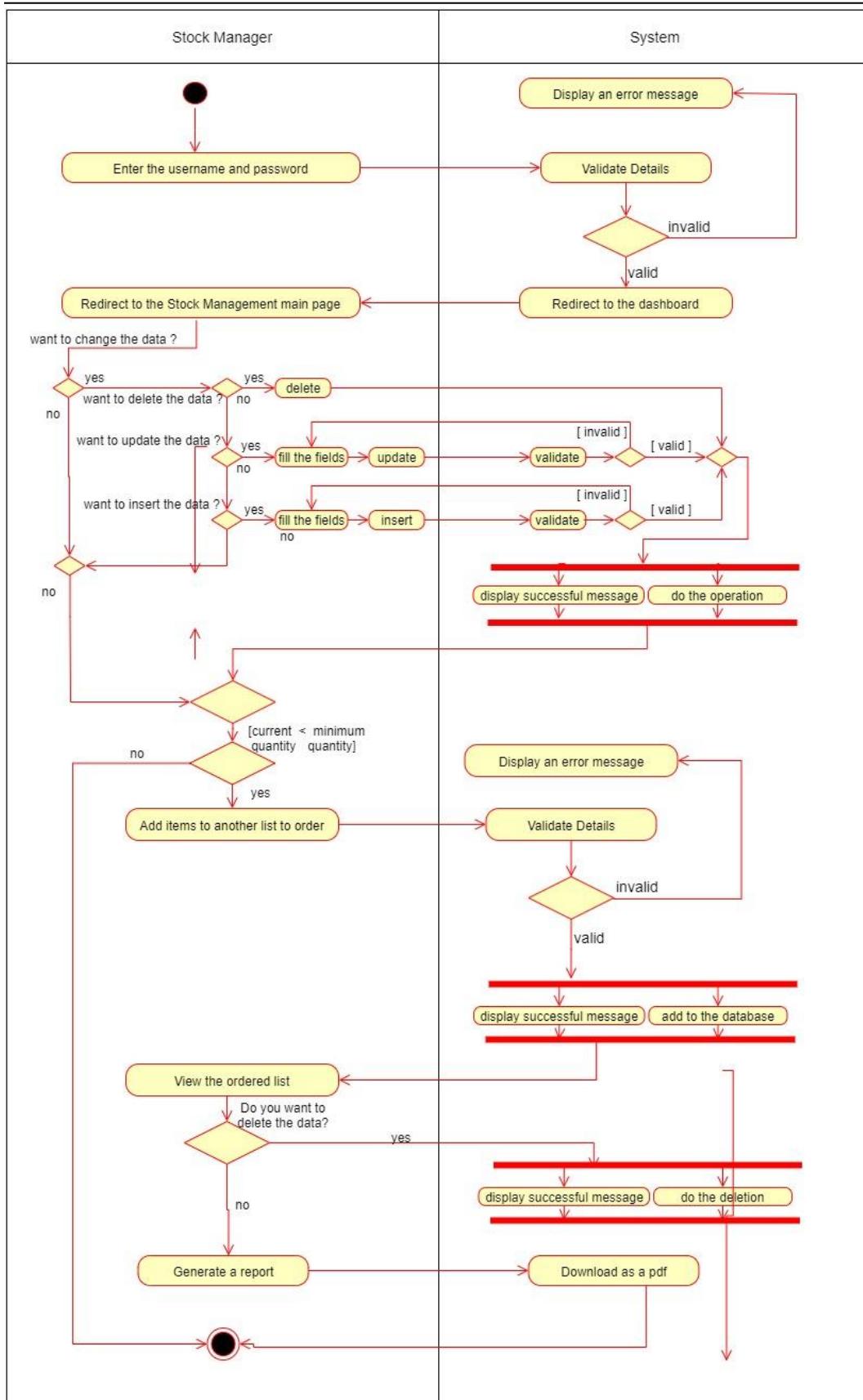


Figure 13



# Sri Lanka Institute of Information Technology

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### Year2, Semester 2 - 2021

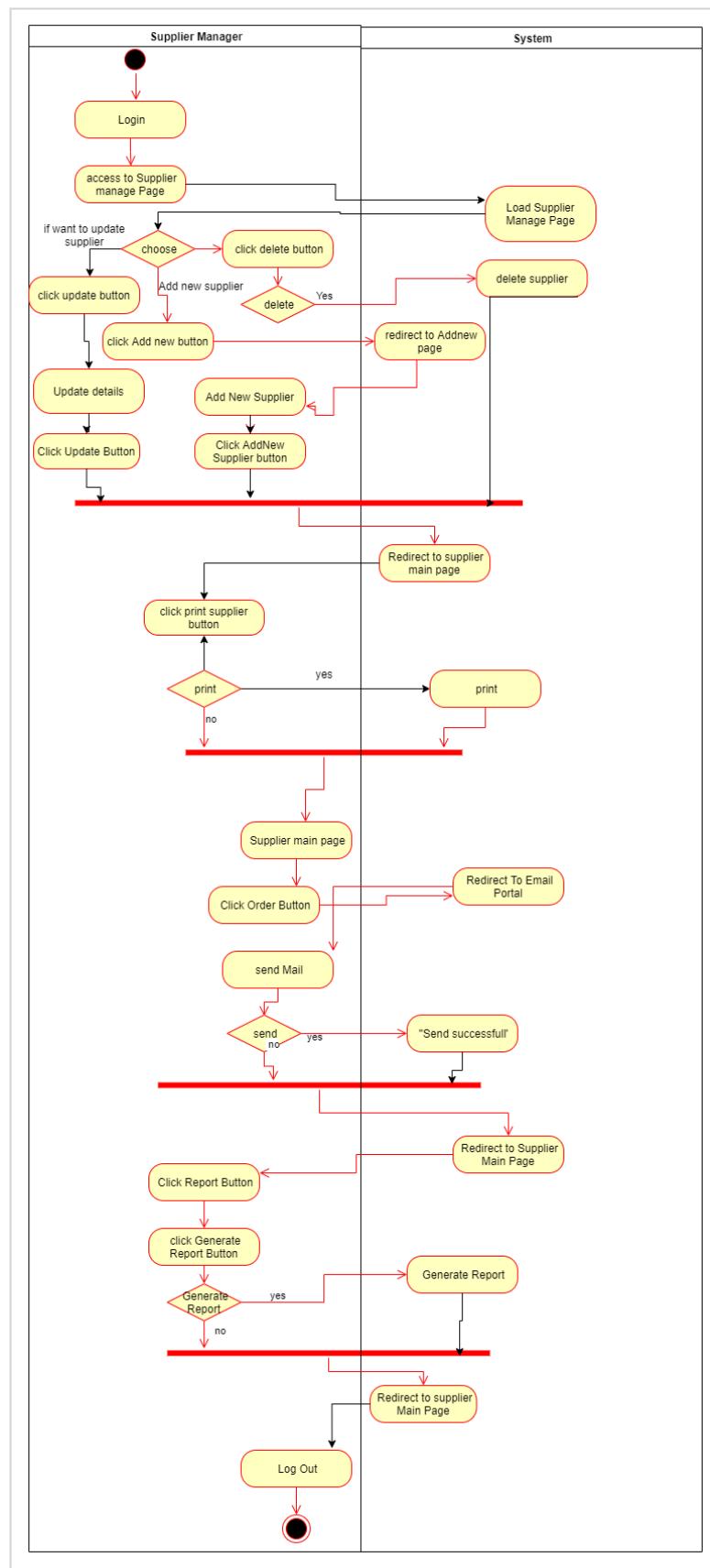


Figure 14



# Sri Lanka Institute of Information Technology

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### Year2, Semester 2 - 2021

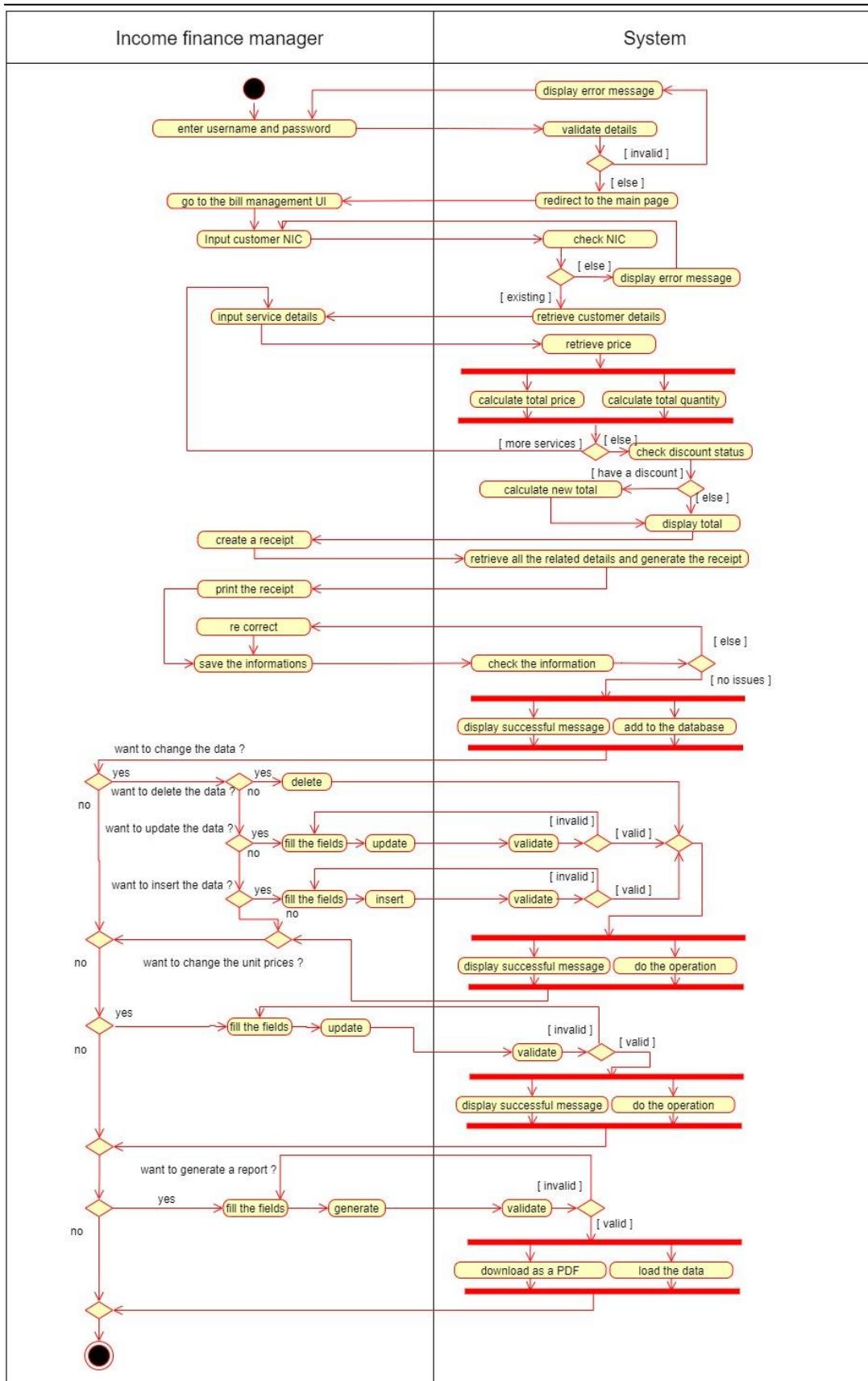


Figure 15



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### Year2, Semester 2 - 2021

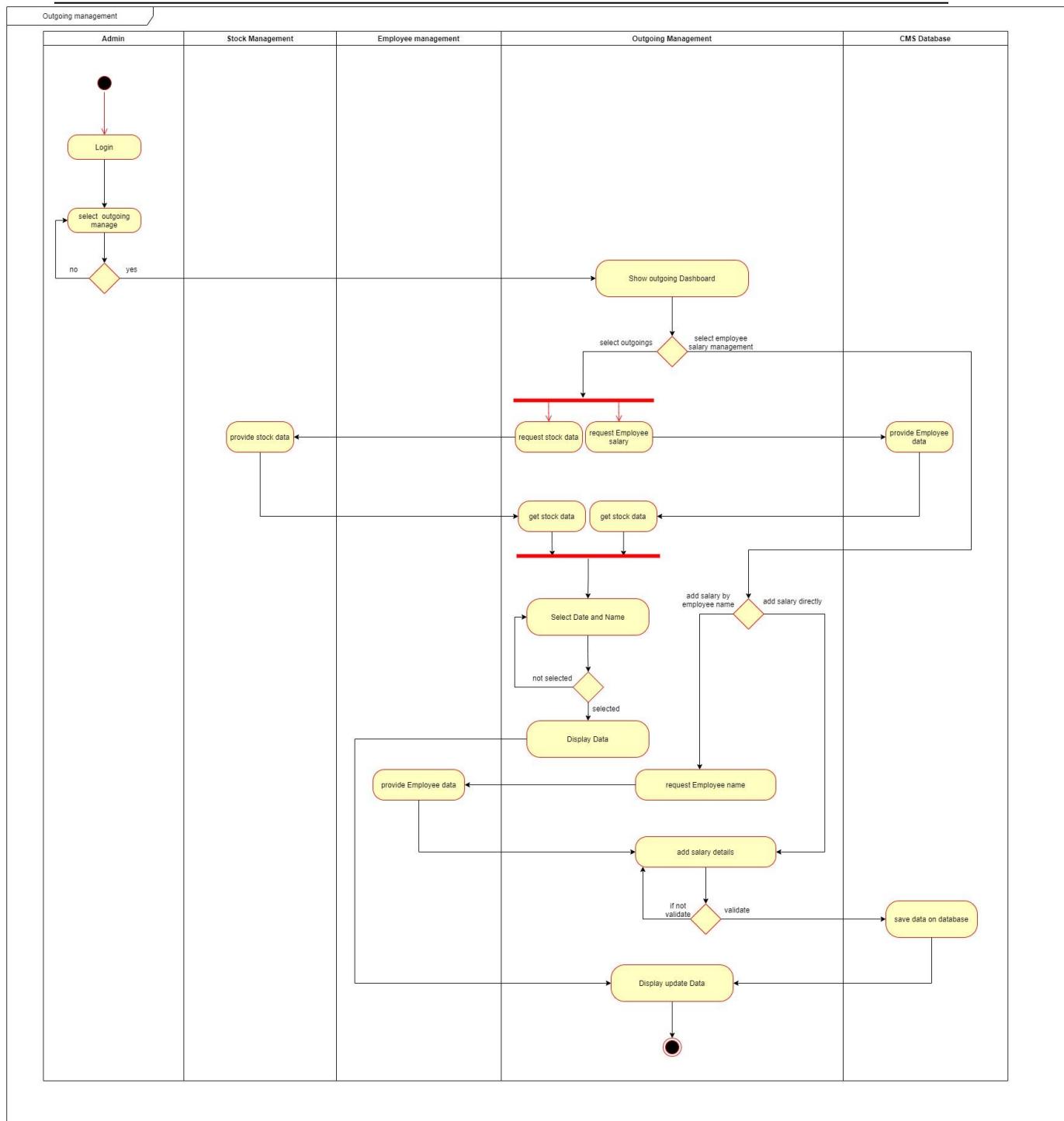


Figure 16



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## Information Technology Project

### Year2, Semester 2 - 2021

## 2.2. Design

### 2.2.1. Class Diagram

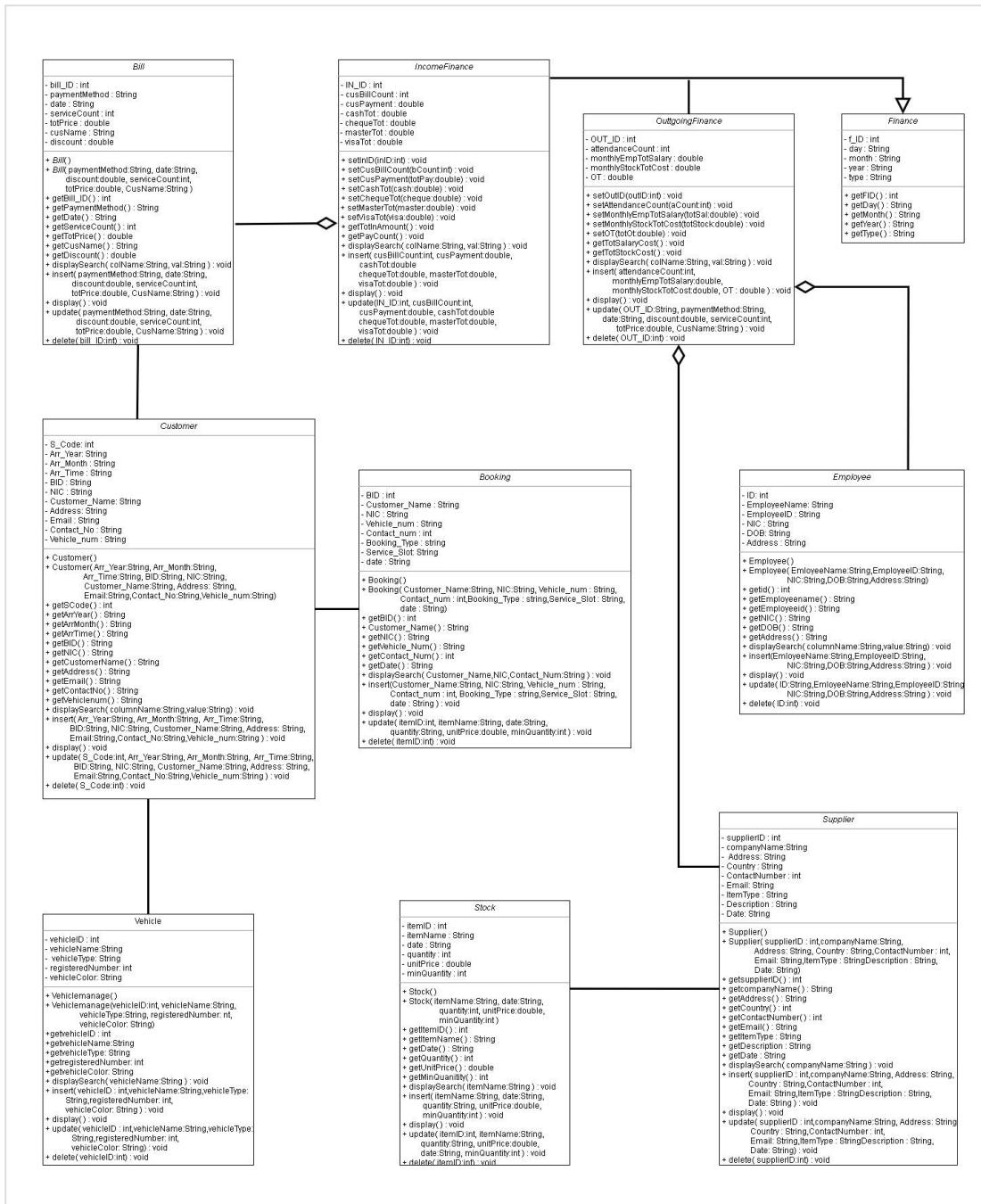


Figure 17

### Drive Link (Class Diagram):

[https://mysliit-my.sharepoint.com/:b/g/personal/it20182700\\_my\\_sliit\\_lk/EYUUUiX3xHaNFqNVhbdomiyoBY8LUDi8UD5V8WcQkJYm-Q?e=FD8bt2](https://mysliit-my.sharepoint.com/:b/g/personal/it20182700_my_sliit_lk/EYUUUiX3xHaNFqNVhbdomiyoBY8LUDi8UD5V8WcQkJYm-Q?e=FD8bt2)



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

#### 2.2.2. ER Diagram

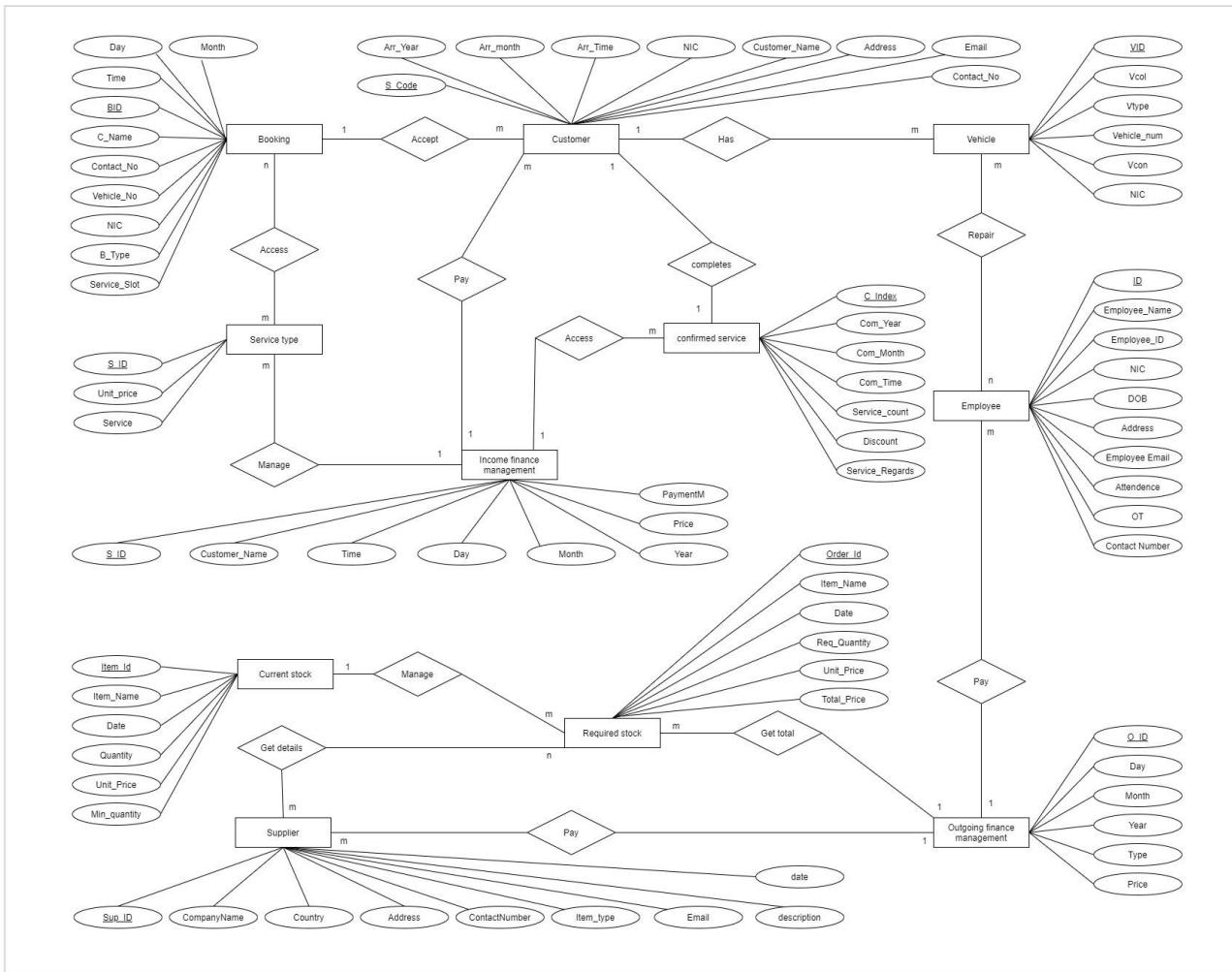


Figure 18

Drive Link to (ER Diagram) :

[https://mysliit-my.sharepoint.com/:b/g/personal/it20182700\\_my\\_sliit\\_lk/EV-tJsDxZa5LtRJMRXLaRkAB477TN6g-IVbXaLerp8PNnA?e=ppPhps](https://mysliit-my.sharepoint.com/:b/g/personal/it20182700_my_sliit_lk/EV-tJsDxZa5LtRJMRXLaRkAB477TN6g-IVbXaLerp8PNnA?e=ppPhps)



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

#### 2.2.3. UI Designs

IT20178840

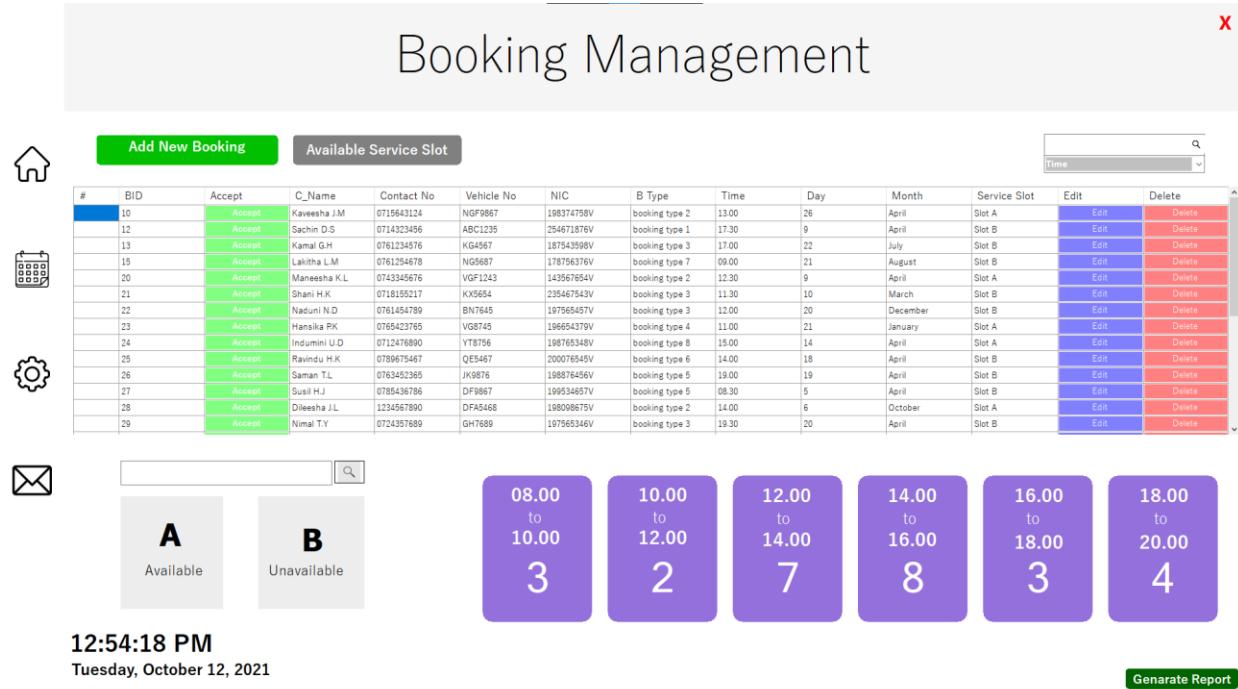


Figure 1.1.1

The screenshot shows the 'ADD NEW BOOKING' form. It includes fields for Customer Name, Contact Number, Vehical Number, Customer NIC, Booking Type, Month, Day, Time, Service Slot, and three action buttons: Reset, Submit, and Available Service.

**Fields:**

- Customer Name
- Contact Number
- Vehical Number
- Customer NIC
- Booking Type
- Month
- Day
- Time
- Service Slot

**Buttons:**

- Reset
- Submit
- Available Service

Figure 1.1.1



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

ADD NEW BOOKING X

**Vehicle\_No is Empty**

Customer Name Jenny Y.N	Contact Number 0764534769	Vehical Number
Customer NIC		Booking Type
Month	Day	Time
Service Slot	<b>Reset</b> <b>Submit</b> <b>Available Service</b>	

Figure 1.1.2

ADD NEW BOOKING X

**Please Enter 10 Digit Contact Number**

Customer Name Jenny Y.N	Contact Number 0765356	Vehical Number
Customer NIC		Booking Type
Month	Day	Time
Service Slot	<b>Reset</b> <b>Submit</b> <b>Available Service</b>	

Figure 1.1.3

ADD NEW BOOKING X

Customer Name Jenny Y.N	Contact Number 0764534769	Vehical Number GH7665
Customer NIC 1982762		Booking Type
Month	Day	Time
Service Slot	<b>Reset</b> <b>Submit</b> <b>Available Service</b>	

A modal dialog box is displayed over the form, showing an error message: "Invalid NIC".

Figure 1.1.5

ADD NEW BOOKING X

Customer Name Jenny Y.N	Contact Number 0764534769	Vehical Number GH7645
Customer NIC 198765VV765		Booking Type
Month	Day	Time
Service Slot	<b>Reset</b> <b>Submit</b> <b>Available Service</b>	

Two modal dialog boxes are displayed over the form, showing error messages: "There Cannot be characters in the middle of the NIC".



# Sri Lanka Institute of Information Technology

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ADD NEW BOOKING X

Customer Name  
Weerakoon L.R

Contact Number  
0764576123

Vehical Number  
UH7645

Customer NIC  
199787456V

Booking Type  
booking type 4

Month  
October

Time  
12.30

Service Slot  
Slot A

**Information** X

Added Successfully OK

Reset Submit Available Service

This screenshot shows the 'Add New Booking' interface. It includes fields for Customer Name, Contact Number, Vehical Number, Customer NIC, Booking Type, Month, Time, and Service Slot. A modal window titled 'Information' displays the message 'Added Successfully' with an 'OK' button. Below the modal are three buttons: 'Reset' (blue), 'Submit' (green), and 'Available Service' (red).

Figure 1.1.5

Available Service Slots X

Search

**A** Available

**B** Unavailable

This screenshot shows the 'Available Service Slots' page. It features a search bar at the top. Below it are two service slots: 'A' is labeled 'Available' and 'B' is labeled 'Unavailable'. Both labels are in large black font.

Figure 1.2.1

Available Service Slots X

Search

**A** Unavailabl

**B** Available

This screenshot shows the 'Available Service Slots' page again. The search bar contains '13.30'. The service slot 'A' is now colored pink and labeled 'Unavailabl' (note the misspelling). The service slot 'B' is colored green and labeled 'Available'.

Figure 1.2.2



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

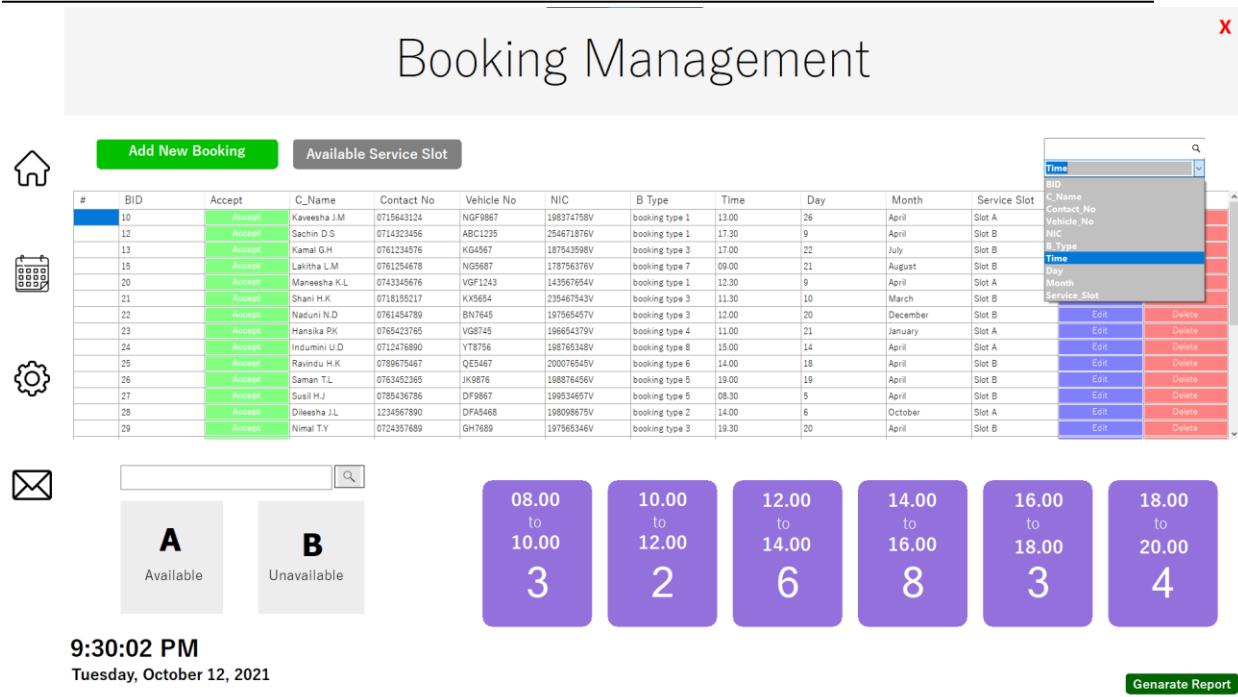


Figure 1.3.1

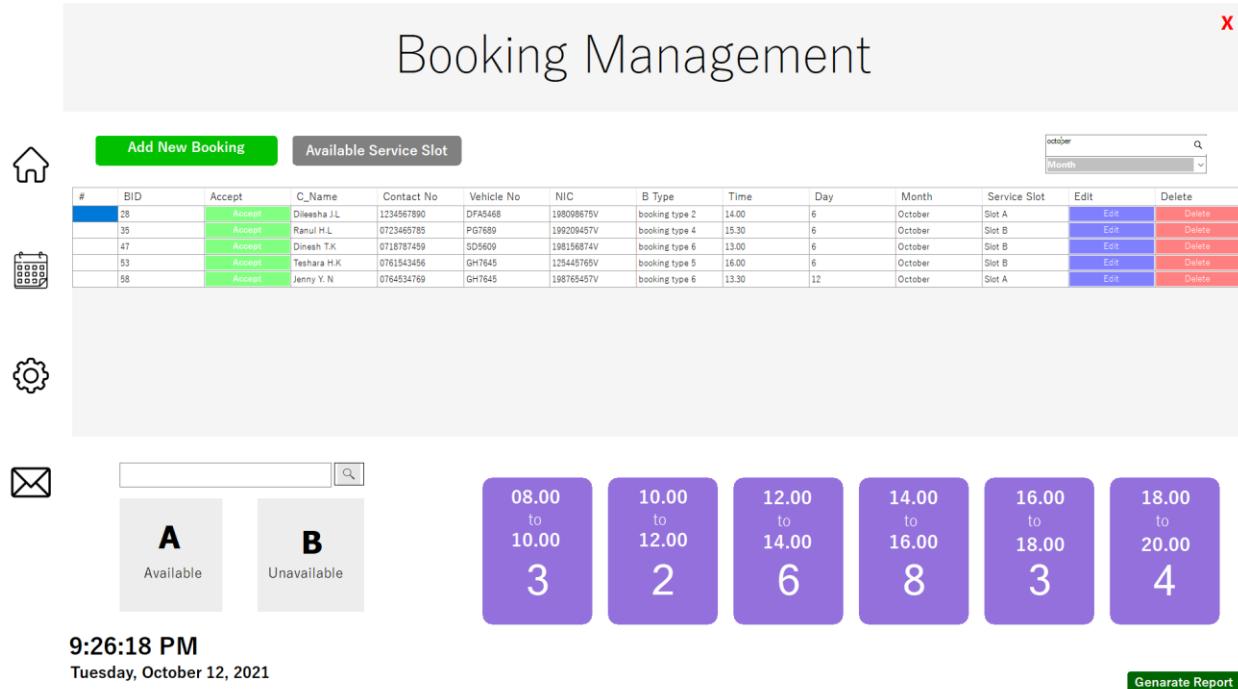


Figure 1.3.2



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

Edit Booking X

Customer Name Saman T.L	Contact Number 0763455467
Vehical Number DE4356	Customer NIC 198876456V
Booking Type booking type 1	Month April
Day 19	Time 19.00
Service Slot Slot B	<span style="background-color: blue; color: white; padding: 5px;">Reset</span> <span style="background-color: green; color: white; padding: 5px;">Update</span> <span style="background-color: red; color: white; padding: 5px;">Available Service</span>

Figure 1.4.1

Edit Booking X

B\_Type is Empty

Customer Name Saman T.L	Contact Number 0763455467
Vehical Number DE4356	Customer NIC 198876456V
Booking Type 	Month April
Day 24	Time 16.00
Service Slot Slot A	<span style="background-color: blue; color: white; padding: 5px;">Reset</span> <span style="background-color: green; color: white; padding: 5px;">Update</span> <span style="background-color: red; color: white; padding: 5px;">Available Service</span>

Figure 1.4.2



# Sri Lanka Institute of Information Technology

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Edit Booking X

**Please Enter 10 Digit Contact Number**

Customer Name Saman T.L	Contact Number 076345
Vehical Number JK9876	Customer NIC 198876456V
Booking Type booking type 5	Month April
Time 19.00	Day 19
Service Slot Slot B	<b>Reset</b> <b>Update</b> <b>Available Service</b>

Figure 1.4.2

Edit Booking X

**Please Enter 10 Digit Contact Number**

Customer Name Saman T.L	Contact Number 0763452365
Vehical Number JK9876	Customer NIC 198876
Booking Type booking type 5	Month April
Time 19.00	Day 19
Service Slot Slot B	<b>Reset</b> <b>Update</b> <b>Available Service</b>

**Invalid NIC** OK

**There Cannot be characters in the middle of the NIC** OK

Figure 1.4.3



**Sri Lanka Institute of Information Technology**  
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**Year2, Semester 2 - 2021**

Edit Booking X

Customer Name  
Saman T.L

Contact Number  
0763455467

Vehical Number  
DE4356

Customer NIC  
198876456V

Booking Type  
booking type 5

Month  
April

Day  
24

Time  
16.00

Service Slot  
Slot A

Reset  
Update  
Available Service

Information X

i Updated Successfully

OK

Figure 1.4.5

ACCEPT BOOKING X

Arrival Month  Arrival Year  Arrival Day and Time

Get Arrival Time

Booking ID  
20

Customer NIC  
143567654V

Customer Name  
Maneesha K.L

Address

Email  
abc@gmail.com

Contact Number  
0743345676

Vehical Number  
VGF1243

Save

Figure 1.5.1



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ACCEPT BOOKING		
Month is Empty		
Arrival Month	Arrival Year	Arrival Day and Time
October	2021	12   21 : 12
<input type="button" value="Get Arrival Time"/>		
Booking ID	20	
Customer NIC	143567654V	
Customer Name	Maneesha K.L.	
Address		
Email	abc@gmail.com	
Contact Number	0743345676	
Vehical Number	VGF1243	
<input type="button" value="Save"/>		

ACCEPT BOOKING		
Address is Empty		
Arrival Month	Arrival Year	Arrival Day and Time
October	2021	12   21 : 12
<input type="button" value="Get Arrival Time"/>		
Booking ID	20	
Customer NIC	143567654V	
Customer Name	Maneesha K.L.	
Address		
Email	abc@gmail.com	
Contact Number	0743345676	
Vehical Number	VGF1243	
<input type="button" value="Save"/>		

Figure 1.5.2

ACCEPT BOOKING		
Arrival Month	Arrival Year	Arrival Day and Time
October	2021	12   21 : 16
<input type="button" value="Get Arrival Time"/>		
Booking ID	20	
Customer NIC	143567654V	
Customer Name	Maneesha K.L.	
Address	No 41, Baduragoda, Veyangoda.	
Email	maneegmail.	
Contact Number	0743345676	
Vehical Number	VGF1243	
<input type="button" value="Save"/>		

X

Invalid Email.

OK

Figure 1.5.3



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

### ACCEPT BOOKING X

Arrival Month    Arrival Year    Arrival Day and Time  
October    2021    12 | 21 : 16  
[Get Arrival Time](#)

Booking ID  
20

Customer NIC  
143567654V

Customer Name  
Maneesha K.L

Address  
No 41, Baduragoda, Veyangoda.

Email  
manee@gmail.com

Contact Number  
0743345676

Vehical Number  
VGF1243

**Information**  
Added Customer Successfully!!

[OK](#)

[Save](#)

Figure 1.5.4

### Booking Management X

Add New Booking Available Service Slot

Time

#	BID	Accept	C_Name	Contact No	Vehicle No	NIC	B Type	Time	Day	Month	Service Slot	Edit	Delete
10		Accept	Kaveesha J.M	0715643124	NGF9867	198374758V	booking type 1	13:00	26	April	Slot A	<a href="#">Edit</a>	<a href="#">Delete</a>
12		Accept	Sachin D.S	0714233405	ABC1235	254671876V	booking type 1	17:30	9	April	Slot B	<a href="#">Edit</a>	<a href="#">Delete</a>
13		Accept	Kamal G.H	0761234576	KG4567	187543598V	booking type 3	17:00	22	July	Slot B	<a href="#">Edit</a>	<a href="#">Delete</a>
15		Accept	Lakitha L.M	0761254678	NG5687	178756376V	booking type 7	09:00	21	August	Slot B	<a href="#">Edit</a>	<a href="#">Delete</a>
20		Accept	Maneesha K.L	0743345676	VGF1243	143567654V	booking type 1	12:30	9	April	Slot A	<a href="#">Edit</a>	<a href="#">Delete</a>
21		Accept	Shani H.K	0718155217	KX9684	238467543V	booking type 3	11:30	10	March	Slot B	<a href="#">Edit</a>	<a href="#">Delete</a>
22		Accept	Navuni N.D	0761454789	BN7645			14:00	20	December	Slot B	<a href="#">Edit</a>	<a href="#">Delete</a>
23		Accept	Hansika PK	0765423765	VG8745			15:00	21	January	Slot A	<a href="#">Edit</a>	<a href="#">Delete</a>
24		Accept	Indumini U.D	0712476880	YT8756			16:00	14	April	Slot A	<a href="#">Edit</a>	<a href="#">Delete</a>
25		Accept	Ravindu H.K	0789675467	QE5467			17:00	18	April	Slot B	<a href="#">Edit</a>	<a href="#">Delete</a>
26		Accept	Gaman T.L	0763455647	DE4296			18:00	19	April	Slot B	<a href="#">Edit</a>	<a href="#">Delete</a>
27		Accept	Susil H.J	0785436786	DF9867			19:00	5	April	Slot B	<a href="#">Edit</a>	<a href="#">Delete</a>
28		Accept	Dileesha J.L	1234567890	DF5468			20:00	6	October	Slot A	<a href="#">Edit</a>	<a href="#">Delete</a>
29		Accept	Nimal T.Y	0724357689	GH7689	197565346V	booking type 3	19:30	20	April	Slot B	<a href="#">Edit</a>	<a href="#">Delete</a>

**Information**  
Are you want to delete student record?

[Yes](#) [No](#)

**A** Available    **B** Unavailable

08.00 to 10.00    10.00 to 12.00    12.00 to 14.00    14.00 to 16.00    16.00 to 18.00    18.00 to 20.00

10:28:50 PM  
Tuesday, October 12, 2021

[Generate Report](#)

Figure 1.6.1



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

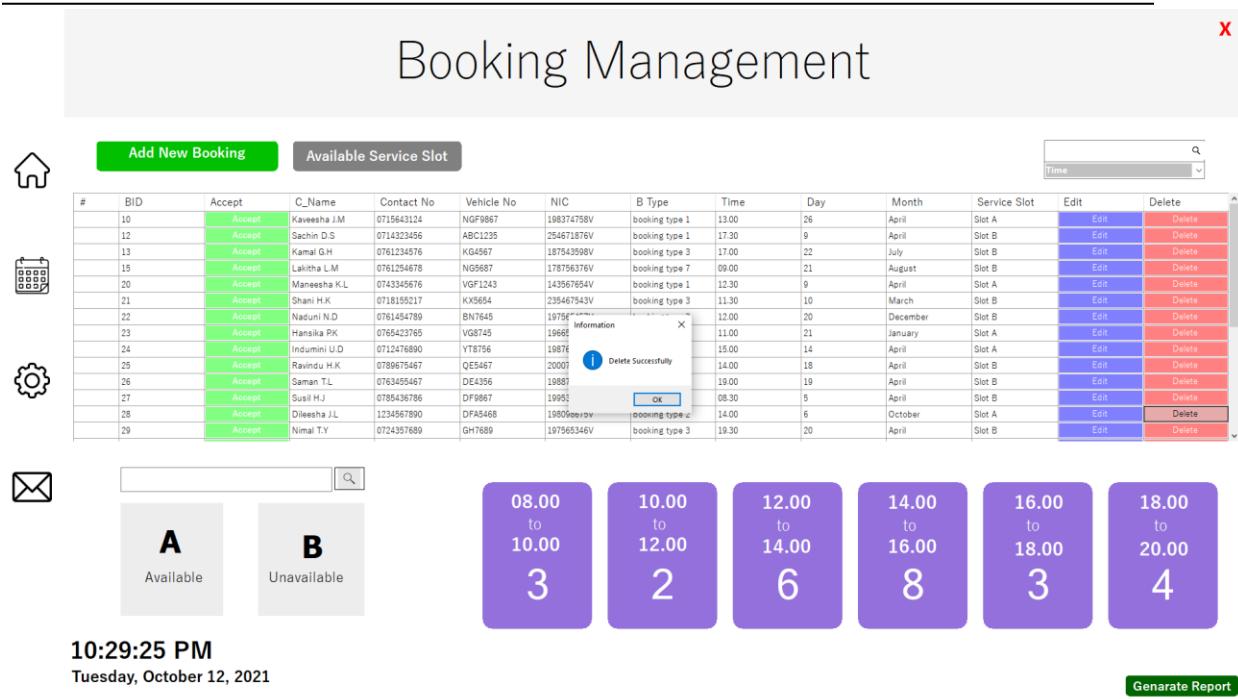


Figure 1.6.2

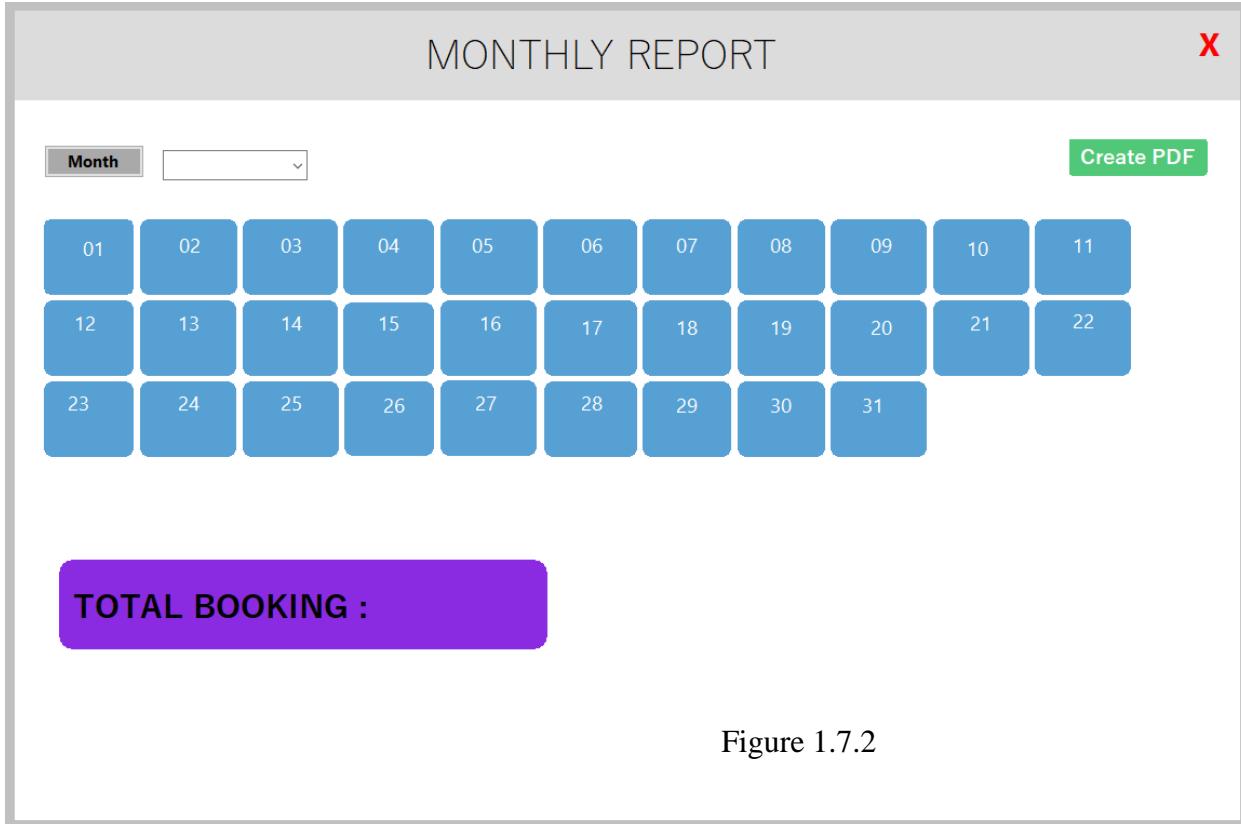


Figure 1.7.2



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

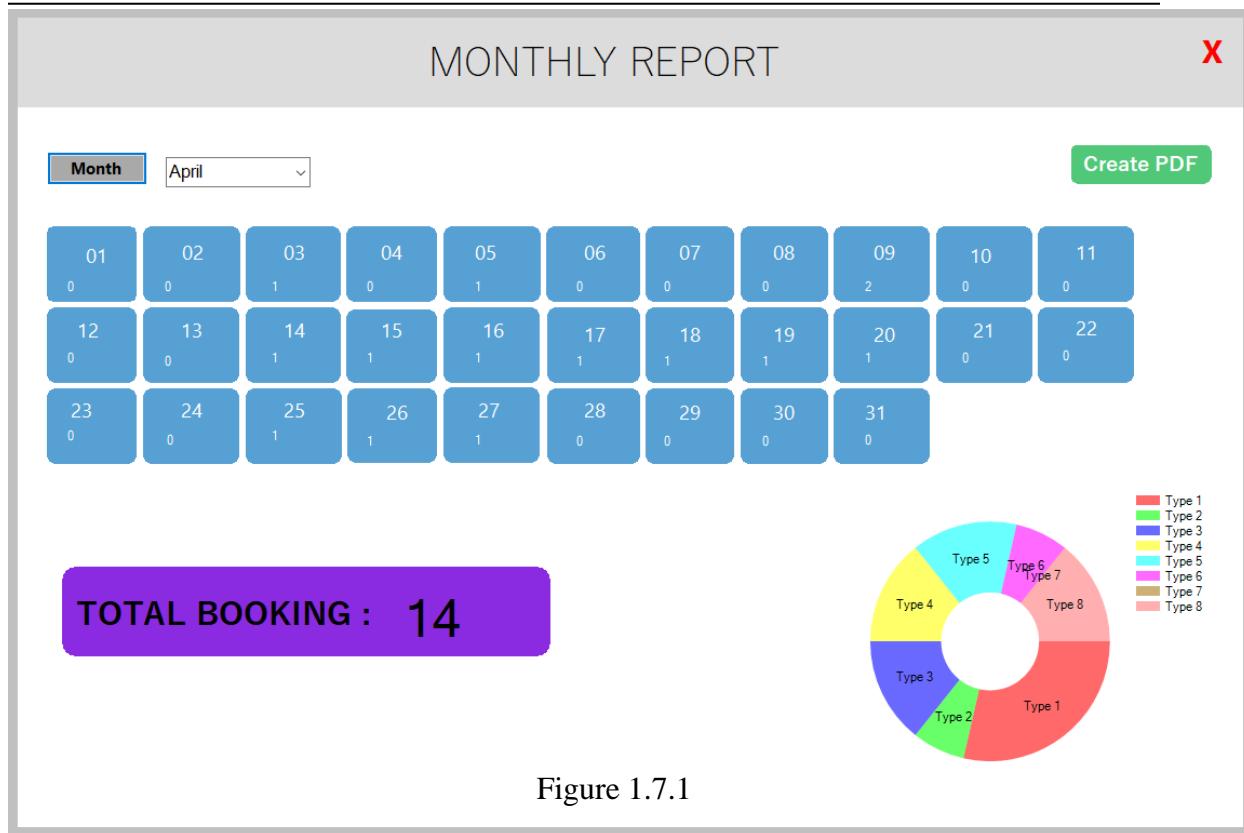


Figure 1.7.1

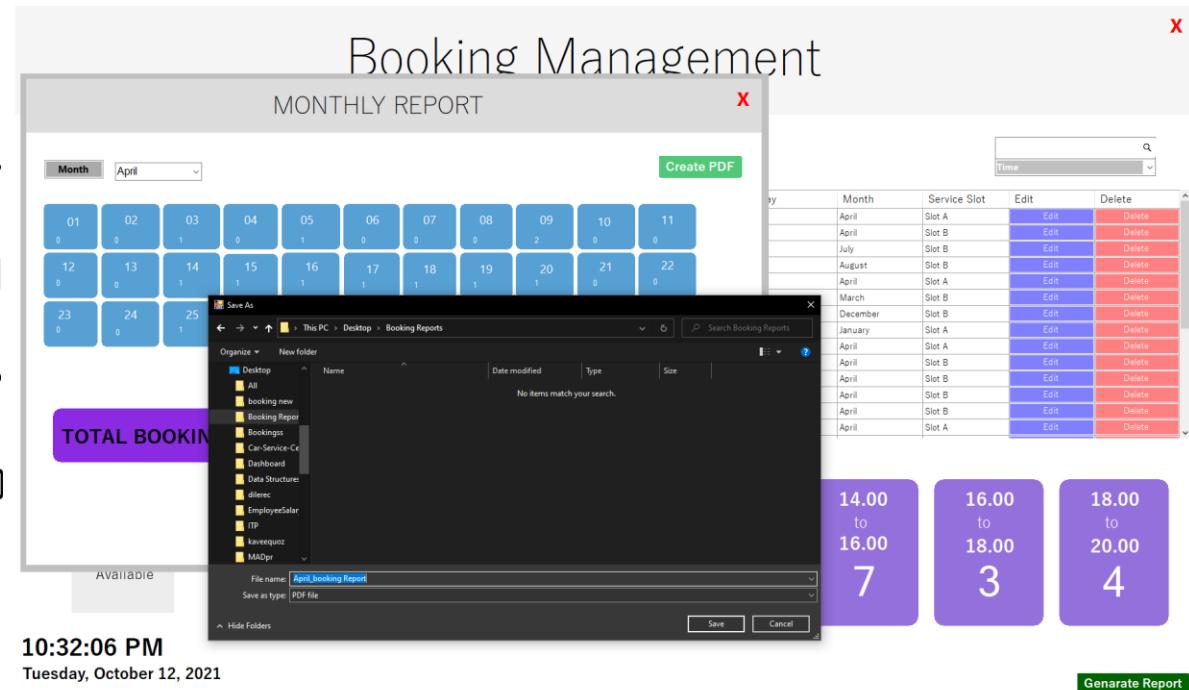


Figure 1.7.3



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

The screenshot shows a PDF document titled "April\_booking\_Report.pdf" open in a browser window. The document contains the following elements:

- Royal Auto Service Center Logo:** A circular logo with a crown at the top, containing the text "Royal AUTO SERVICE CENTER".
- Text:** "ROYAL CAR SERVICE CENTER", "Sri Jayawardhanapura", "Kotte", "Booking Management", and "Monthly Report".
- Table:** A table titled "Daily Booking Count" showing the number of bookings per day from Day 1 to Day 31.

Daily Booking Count			
Day 1	0	Day 2	0
Day 3	1	Day 4	0
Day 5	1	Day 6	0
Day 7	0	Day 8	0
Day 9	2	Day 10	0
Day 11	0	Day 12	0
Day 13	0	Day 14	1
Day 15	1	Day 16	1
Day 17	1	Day 18	1
Day 19	1	Day 20	1
Day 21	0	Day 22	0
Day 23	0	Day 24	0
Day 25	1	Day 26	1
Day 27	1	Day 28	0
Day 29	0	Day 30	0
Day 31	0		

Figure 1.7.4



**Sri Lanka Institute of Information Technology**  
**Information Technology Project**  
**Year2, Semester 2 - 2021**

**Customer Management UI**  
**IT20183004**

X

## CUSTOMER MANAGEMENT

[Add Customer](#)

[Completed Services](#)

Enter Customer NIC

[View Profile](#)

S_Code	Arr_Year	Arr_Month	Arr_Time	BID	NIC	Customer Name	Address	Email	Contact No	Vehicle num	Edit	Delete	Complete
20	2021	September	01   20 : 37	none	995760347V	Hiruni J.M.D.I	No 613,Nugape,pamunugama	kaveejaya@gmail.com	0718697012	KL4112	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
21	2021	September	01   20 : 37	none	995760346V	Yanayana W.K	No,6,park lane,kandy	dilekavindi@gmail.com	0718657456	RTYU2	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
22	2021	September	10   20 : 37	none	345678934V	Umeshi J.H.I	No3,Street Rd,Borella	umeshijay@gmail.com	0718965473	HJ2345	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
23	2021	September	11   20 : 38	1	998765434V	Tolani J.D.S	No 53,Fine lane,colombo1	tolaridmii@gmail.com	0775432678	GHJK8	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
24	2021	September	12   20 : 38	none	876542734V	Weerakoon L.M.R	no 45,lake terrace,kandy	lakithmitch@gmail.com	0715678903	HJLK9	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
25	2021	September	12   20 : 38	none	789078965V	Gunesekara A.S.P	No 614,bird street,Kadawatha	pramuditha@gmail.com	0715675437	KLMN4	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
27	2021	October	02   20 : 39	2	567904556V	Kvindya T.S.K	No 613,Nugape,Bopitiya	kavindidle@gmail.com	0776543245	HJLK9	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
28	2021	October	02   20 : 39	none	995760347V	Hiruni J.M.D.K	No 613,Nugape,pamunugama	kaveejaya@gmail.com	0718697012	KL4112	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
32	2021	October	02   20 : 39	none	995760347V	Hiruni J.M.D.K	No 613,Nugape,pamunugama	kaveejaya@gmail.com	0718697012	KL4112	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
36	2021	October	03   20 : 41	3	867546789V	Dias E.M.D	No 45,harold street ,galle	haroldjay@gmail.com	0716786543	KL1220	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
37	2021	October	03   20 : 41	none	345678934V	Umeshi J.H.I	No3,Street Rd,Borella	umeshikavi@gmail.com	0718965473	KL123	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
50	2021	October	03   7 : 48	none	345678934V	Umeshi J.H.I	No3,Street Rd,Borella	umeshikavi@gmail.com	0718965473	KJHG3	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
51	2021	October	04   7 : 49	none	345678934V	Umeshi J.H.I	No3,Street Rd,Borella	umeshikavi@gmail.com	0718965473	KJHG3	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
52	2021	October	04   7 : 50	4	345678934V	Umeshi J.H.I	No3,Street Rd,Borella	umeshikavi@gmail.com	0718965473	KJHG3	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
62	2021	October	06   10 : 21	none	678954356V	Munasinghe LR	No 613,Mahara,Pamunugama	munasinha@gmail.com	0713456784	KA123	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
63	2021	October	06   10 : 23	none	678954356V	Munasinghe LR	No 613,Mahara,Pamunugama	munasinha@gmail.com	0713456784	KA123	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
64	2021	October	06   10 : 36	none	678954356V	Munasinghe LR	No 613,Mahara,Pamunugama	munasinha@gmail.com	0713456784	KA123	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>

Booked Customers
  
4

+

Non-book Customers
  
13

=

Current Customers
  
17

[View Report](#)

[Export Customer Data](#)

6:44:51 AM  
Monday, October 11, 2021

Booked Customers
  
4

Non-book Customers
  
13

Current Customers
  
17

Figure 2.1.0

X

## Add Customer Details

[Add Customer](#)

[Completed Services](#)

Enter Customer Name

Please Search by category here...

Add Customer Details

Get timestamp

NT

S_Code	Arr_Year	Arr_Month	Arr_Time	BID
20	2021	September	01   20 : 37	none
21	2021	September	01   20 : 37	none
22	2021	September	10   20 : 37	none
23	2021	September	11   20 : 38	1
24	2021	September	12   20 : 38	none
25	2021	September	12   20 : 38	none
27	2021	October	02   20 : 39	2
28	2021	October	02   20 : 39	none
32	2021	October	02   20 : 39	none
36	2021	October	03   20 : 41	3
37	2021	October	03   20 : 41	none
50	2021	October	03   7 : 48	none
51	2021	October	04   7 : 49	none
52	2021	October	04   7 : 50	4
62	2021	October	06   10 : 21	none
63	2021	October	06   10 : 23	none
64	2021	October	06   10 : 36	none

Booking ID
  
none

Customer NIC

Customer Name

Fetch Existing Info

Address

Email

Contact Number

Vehicle No

Reset

Save

Current Customers
  
17

6:04:33 PM  
Tuesday, October 12, 2021

View Report

Export Customer Data

Figure 2.1.1



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

### Add Customer Details

Get timestamp

Arrival Year 2021	Arrival Month October	Arrival DateTime 12   18 : 27
Booking ID none	Customer NIC Hirunikavee	

**Fetch Existing Info**

Customer Name Edirisinghe T.R.	X
Address Customer Address is Empty	OK

Email  
Contact Number  
Vehicle No

**Reset** **Save**

### Add Customer Details

Get timestamp

Arrival Year 2021	Arrival Month October	Arrival DateTime 12   18 : 27
Booking ID none	Customer NIC 1234V67815	

**Fetch Existing Info**

Customer Name Edirisinghe T.R.	X
Address There Cannot be characters in the middle of the NIC	OK

Email  
Contact Number  
Vehicle No

**Reset** **Save**

Figure 2.1.2

### Add Customer Details

Get timestamp

Arrival Year 2021	Arrival Month October	Arrival DateTime 12   18 : 33
Booking ID none	Customer NIC 123456789v	

**Fetch Existing Info**

Customer Name Edirisinghe T.R.	X
Address Customer Address is Empty	OK

Email  
Contact Number  
Vehicle No

**Reset** **Save**

Figure 2.1.3



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

### Add Customer Details

Get timestamp

Arrival Year 2021	Arrival Month October	Arrival DateTime 12   18 : 33
Booking ID none	Customer NIC 123456789v	

Fetch Existing Info

Customer Name Edirisinghe T.R	
Address No 53, Mainstreet, bopitiya	
Email tiyagarajah@gmail	
Contact Number	
Vehicle No	

Reset Save

Invalid Email.  
OK

Figure 2.1.4

### Add Customer Details

Get timestamp

Arrival Year 2021	Arrival Month October	Arrival DateTime 12   18 : 33
Booking ID none	Customer NIC 123456789v	

Fetch Existing Info

Customer Name Edirisinghe T.R	
Address No 53, Mainstreet, b	Please enter valid contact number(length = 10)
Email tiyagarajah@gmail.com	
Contact Number 1234567	
Vehicle No	

Get timestamp

Arrival Year 2021	Arrival Month October	Arrival DateTime 12   18 : 33
Booking ID none	Customer NIC 123456789v	

Fetch Existing Info

Customer Name Edirisinghe T.R	
Address No 53, Mainstreet, C	Characters cannot exist in the contact number
Email tiyagarajah@gmail.com	
Contact Number wert	
Vehicle No	

Reset Save

Figure 2.1.5



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

Add Customer Details

Get timestamp

Arrival Year 2021	Arrival Month October	Arrival DateTime 12   18 : 33
Booking ID none	Customer NIC 123456789v	

Fetch Existing Info

Customer Name Edirisinghe T.R	Information Added Customer Successfully!! OK
Address No 53, Mainstreet, Colombo	
Email tiyagarajah@gmail.com	
Contact Number 0715678903	
Vehicle No SI1234	

Reset Save

Figure 2.1.6

Add Customer Details

Get timestamp

Arrival Year 2021	Arrival Month October	Arrival DateTime 12   20 : 5
Booking ID none	Customer NIC 1234	

Fetch Existing Info

Customer Name	X
Address	Customer not found
Email	
Contact Number	
Vehicle No	

Reset Save

Figure 2.1.6.1



# **Sri Lanka Institute of Information Technology**

## **Information Technology Project**

### **Year2, Semester 2 - 2021**

# CUSTOMER MANAGEMENT

Add Customer		Completed Services		1234v			View Profile		Customer_Name		Please Search by category here...		
S.Code	Arr_Year	Arr_Month	Arr_Time	BID	NIC	Customer Name	Address	Email	Contact No	Vehicle num	Edit	Delete	Complete
20	2021	September	01   20 : 37	none	995760347V	Hiruni J.M.D.K	No 613,Nugape,pamunugama	kaveejaya@gmail.com	0718697012	KL4112	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
21	2021	September	01   20 : 37	none	995760346V	Nayanaan W.K	No 6,park.lane,kandy	dilekavandi@gmail.com	0718567456	RTVU2	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
22	2021	September	10   20 : 37	none	345678934V	Umeshi J.H.I	No 3,Street Rd,Borella	umeshijay@gmail.com	0718965473	HJ2345	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
23	2021	September	11   20 : 38	1	998765434V	Tolani J.D.S	No 53,Fine.lane,colombo1	tolaridmi@gmail.com	0775432678	GHJK8	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
24	2021	September	12   20 : 38	none	876542734V	Wearakoon L.M.R	No 43,Lake Avenue,Kandy	lakithmchl@gmail.com	0715678903	HJKL9	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
25	2021	September	12   20 : 38	none	789078945V	Gunesekara A.S.P	N				<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
27	2021	October	02   20 : 39	2	567904556V	Kvindya T.S.K	N				<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
28	2021	October	02   20 : 39	none	995760347V	Hiruni J.M.D.K	N	Customer not found			<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
32	2021	October	02   20 : 39	none	995760347V	Hiruni J.M.D.K	N				<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
36	2021	October	03   20 : 41	3	867546789V	Dias E.M.D	N				<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
37	2021	October	03   20 : 41	none	345678934V	Umeshi J.H.I	No,Street Rd,Borella	umeshikavi@gmail.com	0718965473	KL123	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
50	2021	October	03   7 : 48	none	345678934V	Umeshi J.H.I	No.3,Street Rd,Borella	umeshikavi@gmail.com	0718965473	KJHG3	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
51	2021	October	04   7 : 49	none	345678934V	Umeshi J.H.I	No 3,Street Rd,Borella	umeshikavi@gmail.com	0718965473	KJHG3	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
52	2021	October	04   7 : 50	4	345678934V	Umeshi J.H.I	No 3,Street Rd,Borella	umeshikavi@gmail.com	0718965473	KJHG3	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
62	2021	October	06   10 : 21	none	678954356V	Munasinhage L.R	No 613,Mahara,Pamunugama	munasinhe@gmail.com	0713456784	KA123	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
63	2021	October	06   10 : 23	none	678954356V	Munasinhage L.R	No 613,Mahara,Pamunugama	munasinhe@gmail.com	0713456784	KA123	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>
72	2021	October	12   18 : 33	none	123456789V	Edirisunge T.R	No 53,Mainstreet,Colombo	tiyagarajah@gmail.com	0715678903	SI1234	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Complete</a>

Figure 2.1.7

## CUSTOMER MANAGEMENT

Customer Essential Details														
				X										
Customer NIC				995760347V										
Customer Name				Hiruni J.M.D.K										
Address				No 613,Nugape,pamunugama										
Contact Number				0718697012										
Email				kaveejaya@gmail.com										
<table border="1"> <tr> <td>0755955555</td> <td>Mandalgama E.R</td> <td>No 05,Mandalgama</td> <td>mandalgaraj@gmail.com</td> <td>0755955554</td> </tr> <tr> <td>123456789v</td> <td>Edirisinghe T.R</td> <td>No 53,Mainstreet,Colombo</td> <td>tiyagarajah@gmail.com</td> <td>0715678903</td> </tr> </table>					0755955555	Mandalgama E.R	No 05,Mandalgama	mandalgaraj@gmail.com	0755955554	123456789v	Edirisinghe T.R	No 53,Mainstreet,Colombo	tiyagarajah@gmail.com	0715678903
0755955555	Mandalgama E.R	No 05,Mandalgama	mandalgaraj@gmail.com	0755955554										
123456789v	Edirisinghe T.R	No 53,Mainstreet,Colombo	tiyagarajah@gmail.com	0715678903										
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Booked Customers</p> <p>4</p> </div> <div style="text-align: center;"> <p>Non-book Customers</p> <p>13</p> </div> <div style="text-align: center;"> <p>Current Customers</p> <p>17</p> </div> </div>														
<span style="margin-right: 20px;">View Report</span> <span>Export Customer Data</span>														

Figure 2.1.8



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

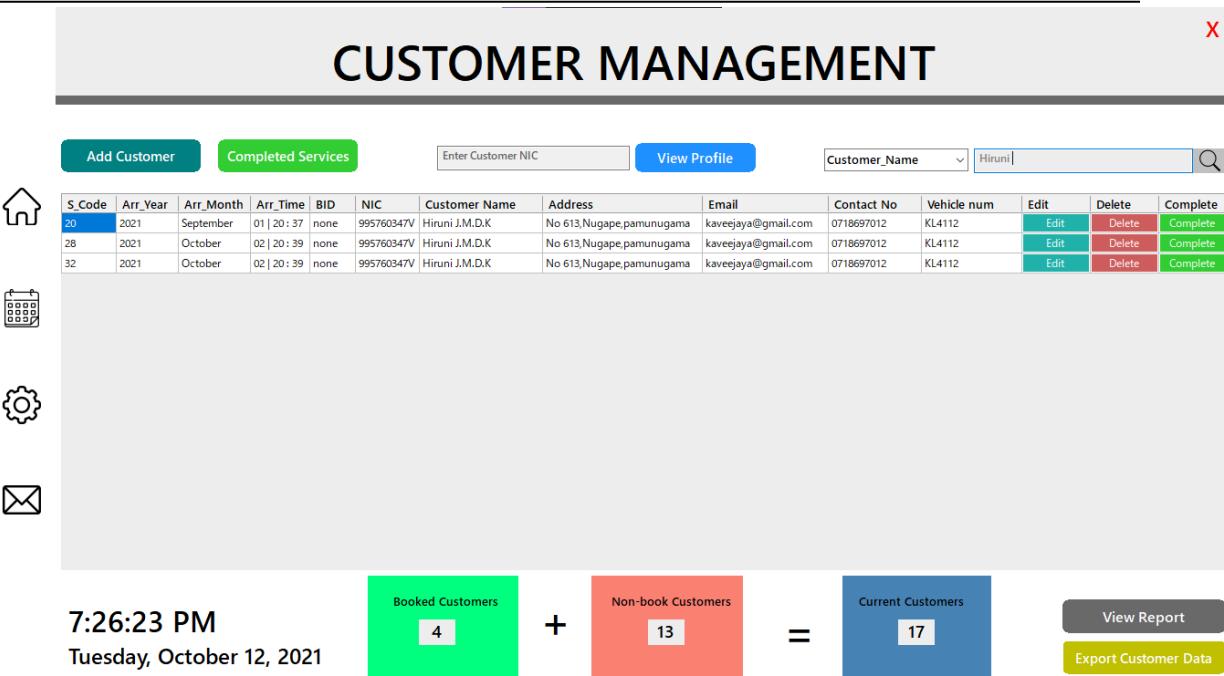


Figure 2.1.9

This form allows updating customer details. Fields include Arrival Year (2021), Arrival Month (October), Arrival DateTime (02 | 20 : 39), Booking ID (none), Customer NIC (995760347V), Customer Name (Hiruni J.M.D.K), Address (No 613,Nugape,pamunugama), Email (kaveejaya@gmail.com), Contact Number (0718697012), and Vehicle No (KL4112). Buttons for Get timestamp, Fetch Existing Info, Reset, and Update are present.

Figure 2.1.10

A confirmation dialog box appears, stating "Updated Customer Successfully!!". The main form fields are identical to Figure 2.1.10, showing updated values like Customer Name (Dias E.M.D) and Address (No 45,harold street,galle).

Figure 2.1.10.1



**Sri Lanka Institute of Information Technology**  
**Information Technology Project**  
**Year2, Semester 2 - 2021**

## CUSTOMER MANAGEMENT

X

Add Customer
Completed Services
Enter Customer NIC
View Profile
Customer\_Name
 Search icon

S_Code	Arr_Year	Arr_Month	Arr_Time	BID	NIC	Customer Name	Address	Email	Contact No	Vehicle num	Edit	Delete	Comple	
21	2021	September	01   20 : 37	none	995760346V	Nayana W.K.	No 6,park lane,kandy	dilekavindi@gmail.com	0718657456	RTYU2	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
22	2021	September	10   20 : 37	none	345678934V	Umeshi J.H.I	No3,Street Rd,Borella	umeshijay@gmail.com	0718965473	HJ2345	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
23	2021	September	11   20 : 38	1	998765434V	Tolani J.D.S	No 53,Fine lane,colombo1	tolaridmi@gmail.com	0775432678	GHJK8	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
24	2021	September	12   20 : 38	none	876542734V	Weerakoon L.M.R	no 43,lake terrace,Kandy	lakithmitch@gmail.com	0715678903	HJKL9	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
25	2021	September	12   20 : 38	none	789078965V	Gunesekara A.S.P	Information	<span>X</span>	idle@gmail.com	0715675437	KLMN4	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>
27	2021	October	02   20 : 39	2	567904556V	Kvindya T.S.K		idle@gmail.com	0776543245	HJKL9	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
28	2021	October	02   20 : 39	none	995760347V	Hiruni J.M.D.K		aya@gmail.com	0718697012	KL4112	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
32	2021	October	02   20 : 39	none	995760347V	Hiruni J.M.D.K		aya@gmail.com	0718697012	KL4112	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
36	2021	October	03   20 : 41	none	867546789V	Dias E.M.D		ayaj@gmail.com	0716786543	KL1220	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
37	2021	October	03   20 : 41	none	345678934V	Umeshi J.H.I		ikavi@gmail.com	0718965473	KL123	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
50	2021	October	03   7 : 48	none	345678934V	Umeshi J.H.I		idle@gmail.com	0718965473	KJHG3	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
51	2021	October	04   7 : 49	none	345678934V	Umeshi J.H.I	No3,Street Rd,Borella	umeshikavi@gmail.com	0718965473	KJHG3	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
52	2021	October	04   7 : 50	4	345678934V	Umeshi J.H.I	No3,Street Rd,Borella	umeshikavi@gmail.com	0718965473	KJHG3	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
62	2021	October	06   10 : 21	none	678954356V	Munasinghe L.R	No 613,Mahara,Pamunugama	munasinha@gmail.com	0713456784	KA123	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
63	2021	October	06   10 : 23	none	678954356V	Munasinghe L.R	No 613,Mahara,Pamunugama	munasinha@gmail.com	0713456784	KA123	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
72	2021	October	12   18 : 33	none	123456789V	Edirisinghe T.R	No 53,Mainstreet,Colombo	tiyaganjah@gmail.com	0715678903	SI1234	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
74	2021	October	12   19 : 31	none	789078965V	Gunesekara A.S.P	No 614,bird street,Kadawatha	pramuditha@gmail.com	0715675437	HJ765	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	

Booked Customers  
3
+ Non-book Customers  
15
= Current Customers  
18

View Report
Export Customer Data

7:32:21 PM  
Tuesday, October 12, 2021

## CUSTOMER MANAGEMENT

X

Add Customer
Completed Services
Enter Customer NIC
View Profile
Customer\_Name
 Search icon

S_Code	Arr_Year	Arr_Month	Arr_Time	BID	NIC	Customer Name	Address	Email	Contact No	Vehicle num	Edit	Delete	Comple	
21	2021	September	01   20 : 37	none	995760346V	Nayana W.K.	No 6,park lane,kandy	dilekavindi@gmail.com	0718657456	RTYU2	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
22	2021	September	10   20 : 37	none	345678934V	Umeshi J.H.I	No3,Street Rd,Borella	umeshijay@gmail.com	0718965473	HJ2345	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
23	2021	September	11   20 : 38	1	998765434V	Tolani J.D.S	No 53,Fine lane,colombo1	tolaridmi@gmail.com	0775432678	GHJK8	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
24	2021	September	12   20 : 38	none	876542734V	Weerakoon L.M.R	no 43,lake terrace,Kandy	lakithmitch@gmail.com	0715678903	HJKL9	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
25	2021	September	12   20 : 38	none	789078965V	Gunesekara A.S.P	Information	<span>X</span>	idle@gmail.com	0715675437	KLMN4	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>
27	2021	October	02   20 : 39	2	567904556V	Kvindya T.S.K		idle@gmail.com	0776543245	HJKL9	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
28	2021	October	02   20 : 39	none	995760347V	Hiruni J.M.D.K		aya@gmail.com	0718697012	KL4112	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
32	2021	October	02   20 : 39	none	995760347V	Hiruni J.M.D.K		aya@gmail.com	0718697012	KL4112	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
36	2021	October	03   20 : 41	none	867546789V	Dias E.M.D		ayaj@gmail.com	0716786543	KL1220	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
37	2021	October	03   20 : 41	none	345678934V	Umeshi J.H.I		ikavi@gmail.com	0718965473	KL123	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
50	2021	October	03   7 : 48	none	345678934V	Umeshi J.H.I		idle@gmail.com	0718965473	KJHG3	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
51	2021	October	04   7 : 49	none	345678934V	Umeshi J.H.I	No 3,Street Rd,Borella	umeshikavi@gmail.com	0718965473	KJHG3	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
52	2021	October	04   7 : 50	4	345678934V	Umeshi J.H.I	No 3,Street Rd,Borella	umeshikavi@gmail.com	0718965473	KJHG3	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
62	2021	October	06   10 : 21	none	678954356V	Munasinghe L.R	No 613,Mahara,Pamunugama	munasinha@gmail.com	0713456784	KA123	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
63	2021	October	06   10 : 23	none	678954356V	Munasinghe L.R	No 613,Mahara,Pamunugama	munasinha@gmail.com	0713456784	KA123	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
72	2021	October	12   18 : 33	none	123456789V	Edirisinghe T.R	No 53,Mainstreet,Colombo	tiyaganjah@gmail.com	0715678903	SI1234	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	
74	2021	October	12   19 : 31	none	789078965V	Gunesekara A.S.P	No 614,bird street,Kadawatha	pramuditha@gmail.com	0715675437	HJ765	<span>Edit</span>	<span>Delete</span>	<span>Comple</span>	

Booked Customers  
3
+ Non-book Customers  
15
= Current Customers  
18

View Report
Export Customer Data

7:33:44 PM  
Tuesday, October 12, 2021

Figure 2.1.11.2



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

The screenshot shows a Microsoft Excel spreadsheet titled "Book3 - Excel". The data is organized into columns: S\_Code, Arr\_Year, Arr\_Month, Arr\_Time, BID, NIC, Customer Address, Email, Contact N, and Vehicle num. The data includes various entries such as "Hiruni J.M.No 613, Nu kaveejaya 7.19E+08 KL4112" and "Kvindya T. No 613, Nu kavindidil 7.77E+08 HJKL9". The ribbon at the top has tabs for File, Home, Insert, Page Layout, Formulas, Data, Review, View, and Help. On the right side, there is a context menu with options like Delete, Complete, Share, and Comments. The status bar at the bottom shows "7:38" and "Tuesday, October 12, 2021".

Figure 2.1.12

The screenshot shows a service completion application. It features a header "Completed Service" with a checkmark icon. Below it, there are input fields for "Service Code" (27) and "Customer NIC" (567904556V). There are also fields for "Customer Name" (Kvindya T.S.K.), "Vehicle No" (HJKL9), and date selection fields for "Arrival Year" (2021), "Arrival Month" (October), "Completion Year", "Completion Month", and "Completion Time". A "Time Stamp" button is present. A "Service Count of the vehicle" field contains "1" and a "Calculate" button. A "Discount" field is empty. A "Regards" section is present with a text input field. At the bottom, there are "Cancel" and "Confirm Service" buttons. To the right, there is a sidebar titled "Recent Customers" showing 17 entries, and buttons for "View Report" and "Export Customer Data". The status bar at the bottom shows "7:42:35 PM" and "Tuesday, October 12, 2021".

Figure 2.1.13



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

Completed Service X

Service Code 27	Customer NIC 567904556V
Customer Name Kvindya T.S.K	
Vehicle No HJKL9	
Arrival Year 2021	Arrival Month October
Completion Date 2021	
Service Code 2	Calculate
Discount No	
Regards No issue	

Information OK

Added Service Confirmation Successfully!!

Cancel Confirm Service

Figure 2.1.14

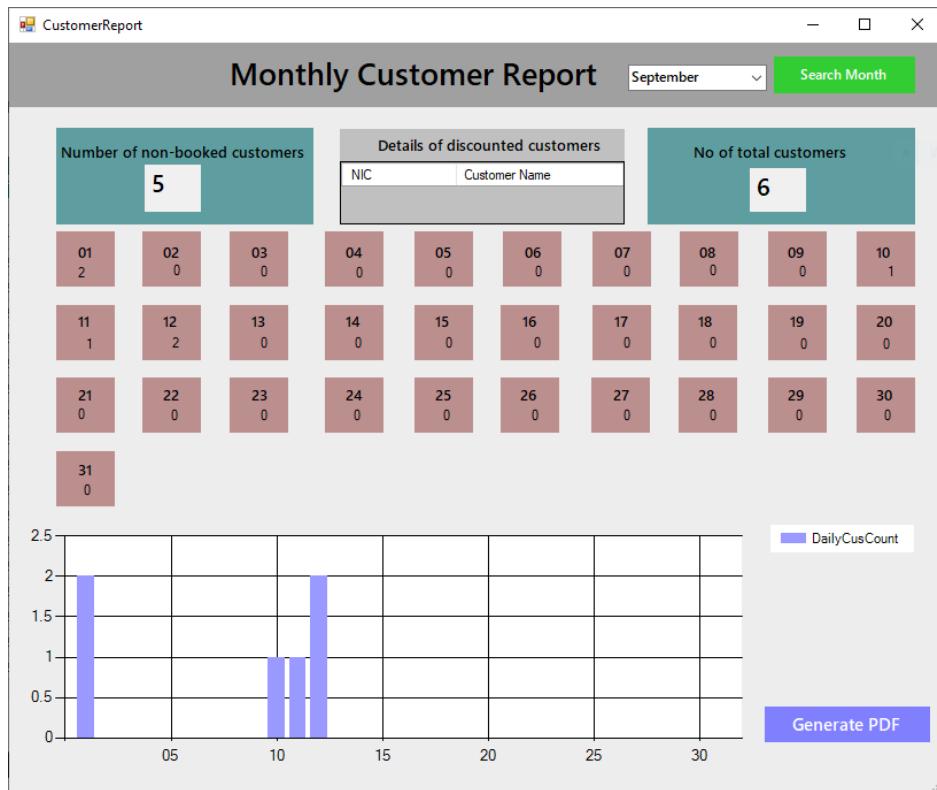


Figure 2.1.15



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

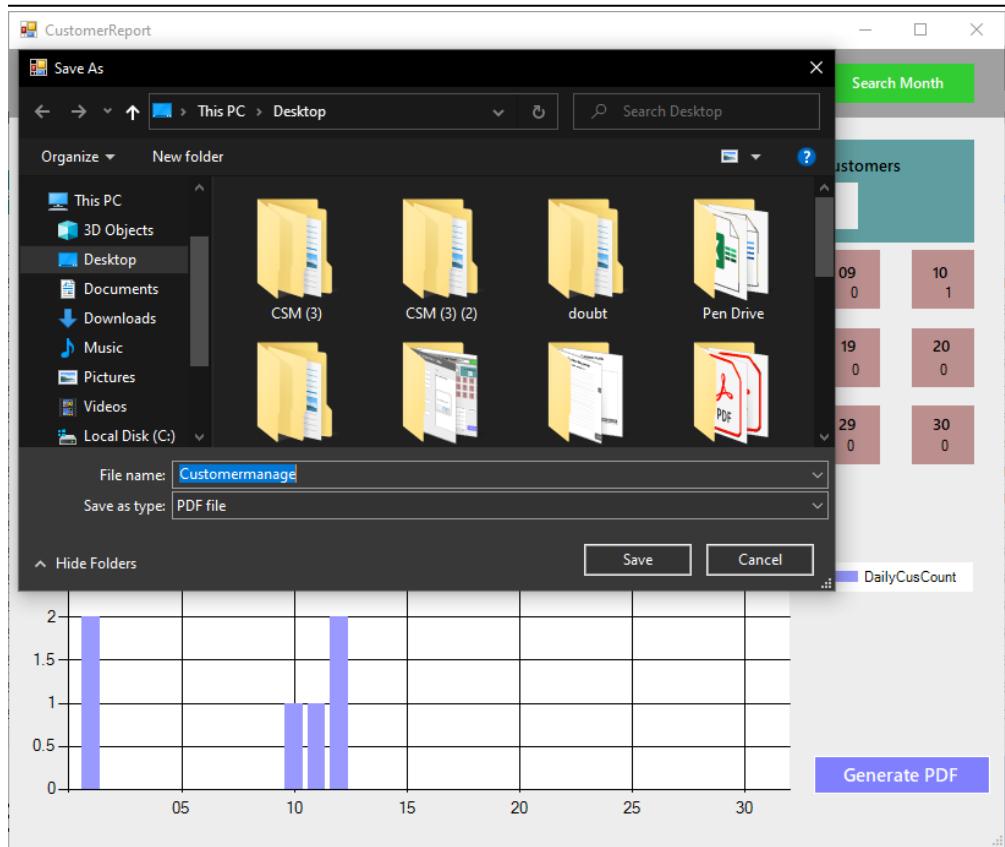


Figure 2.1.16

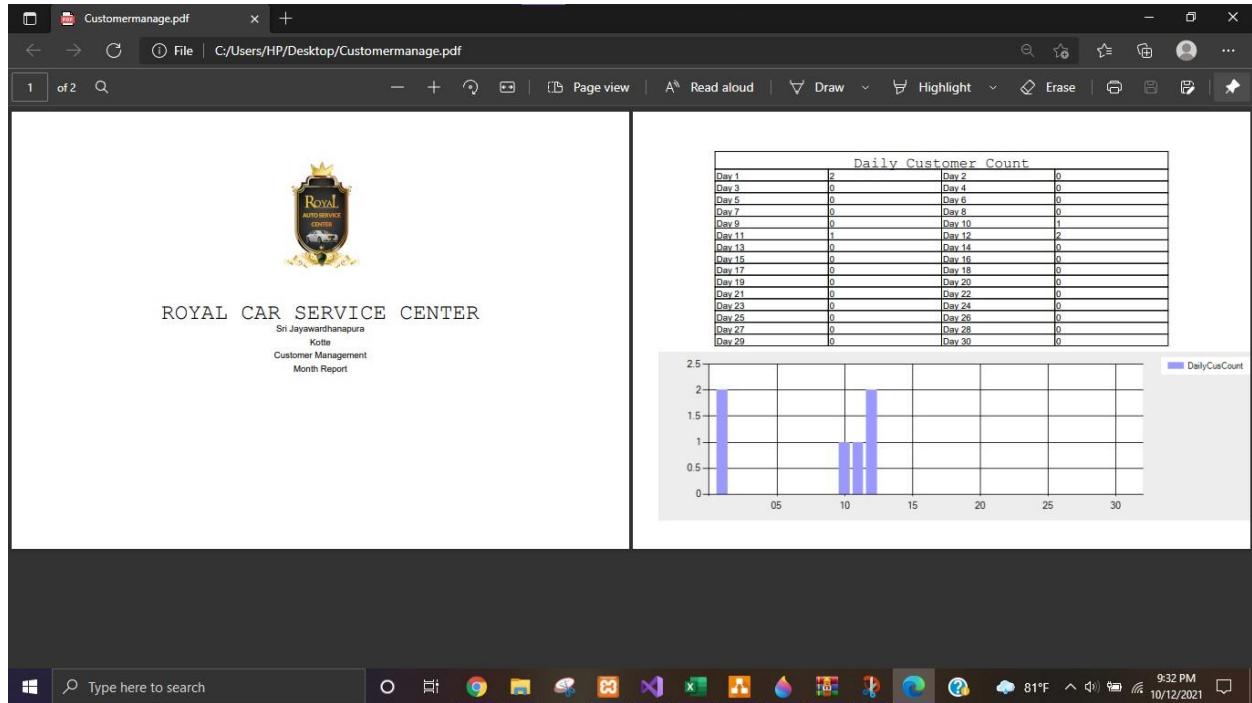


Figure 2.1.17



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

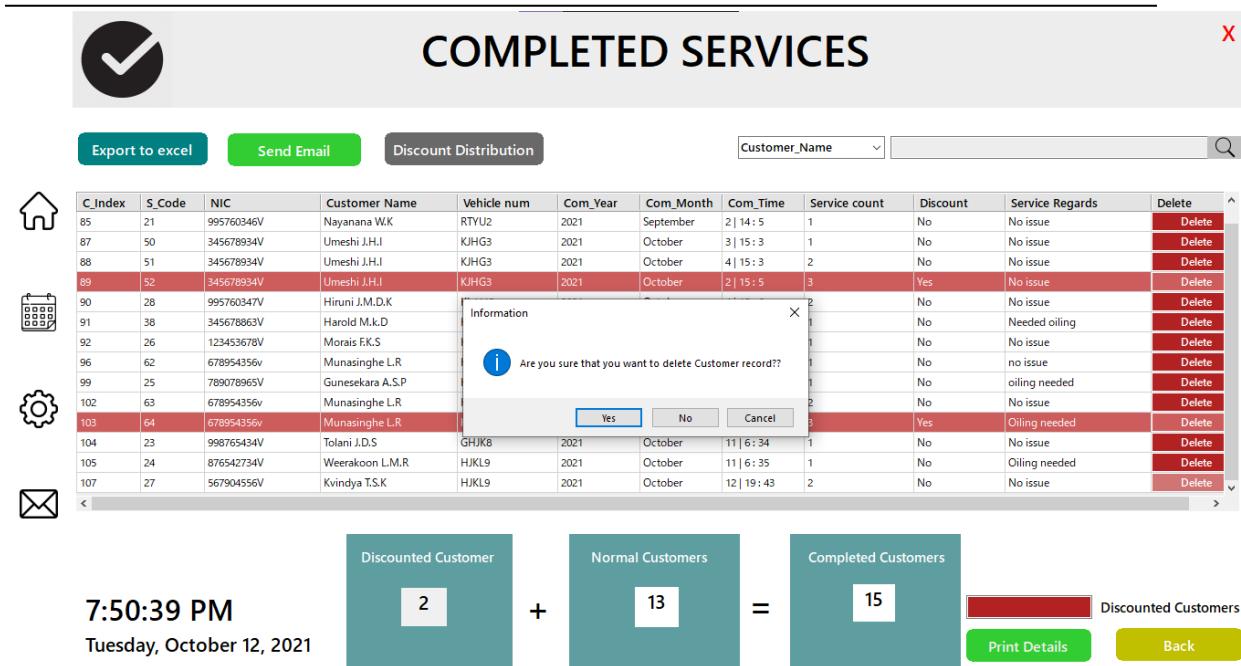


Figure 2.2.1

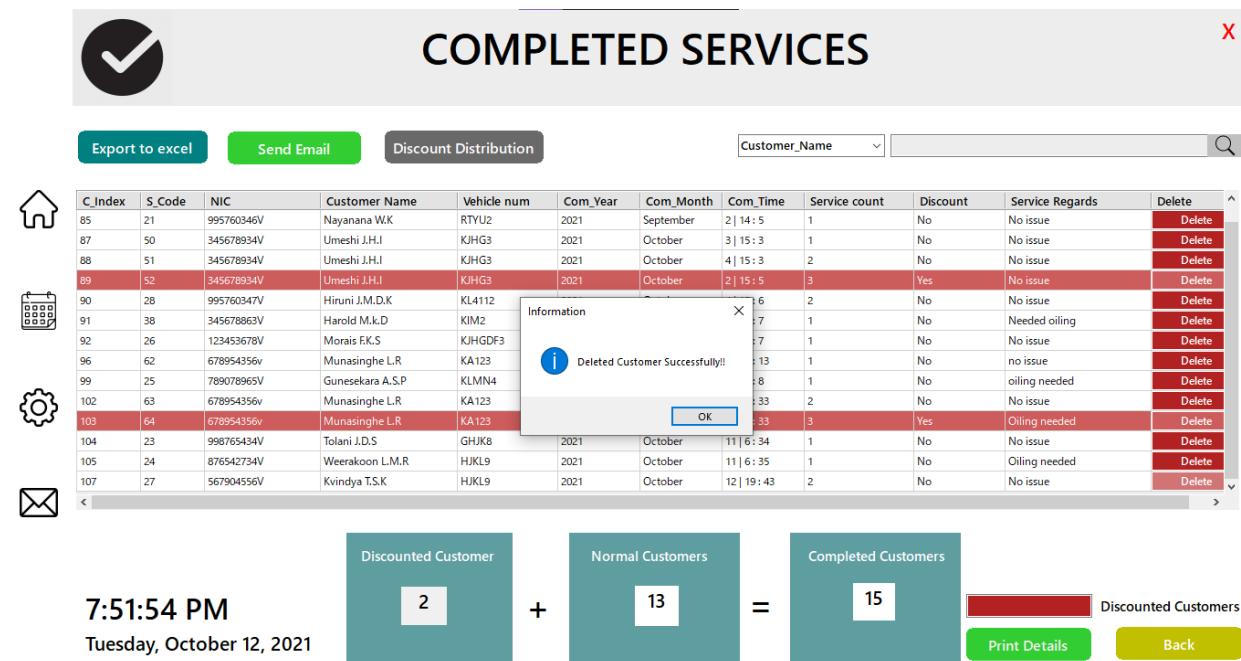


Figure 2.2.1.1



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

## COMPLETED SERVICES

Export to excel Send Email Discount Distribution Vehicle\_num KJHG3

C_Index	S_Code	NIC	Customer Name	Vehicle num	Com_Year	Com_Month	Com_Time	Service count	Discount	Service Regards	Delete
87	50	345678934V	Umeshi J.H.I	KJHG3	2021	October	3   15 : 3	1	No	No issue	<button>Delete</button>
88	51	345678934V	Umeshi J.H.I	KJHG3	2021	October	4   15 : 3	2	No	No issue	<button>Delete</button>
89	52	345678934V	Umeshi J.H.I	KJHG3	2021	October	2   15 : 5	3	Yes	No issue	<button>Delete</button>

7:53:57 PM Tuesday, October 12, 2021

Discounted Customer + Normal Customers = Completed Customers

2 + 12 = 14

Discounted Customers Completed Customers

Print Details Back

Figure 2.2.2

## COMPLETED SERVICES

Export to excel Send Email Discount Distribution Customer\_Name

Yearly Discount Distribution

C_Index	
84	2
85	2
87	5
88	5
89	5
90	2
91	3
92	2
96	6
99	2
102	6
103	6
104	2
105	2

8:03:25 PM Tuesday, October 12, 2021

Yes : Discounted  
No : Not Discounted

Customer Name

2021

Submit Year

2021

2 + 12 = 14

Discounted Customers Completed Customers

Print Details Back

Figure 2.2.3



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

### SEND CUSTOMER EMAIL

X

Sender Details

Recipient Details

Email Details

File Attachment

SSL

Html Body

Body

Figure 2.2.4.1

### SEND CUSTOMER EMAIL

X

Sender Details

Recipient Details

Email Details

File Attachment

SSL

Html Body

Body

Your mail has been sent.

OK

Figure 2.2.4.2



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

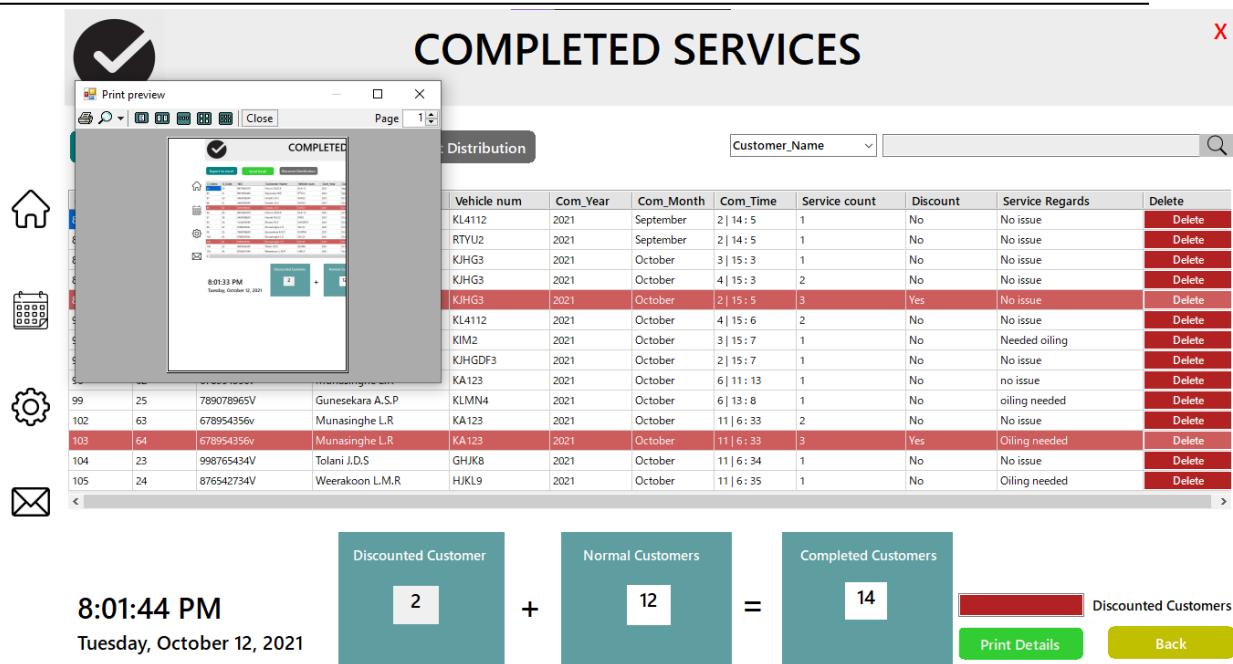


Figure 2.2.5

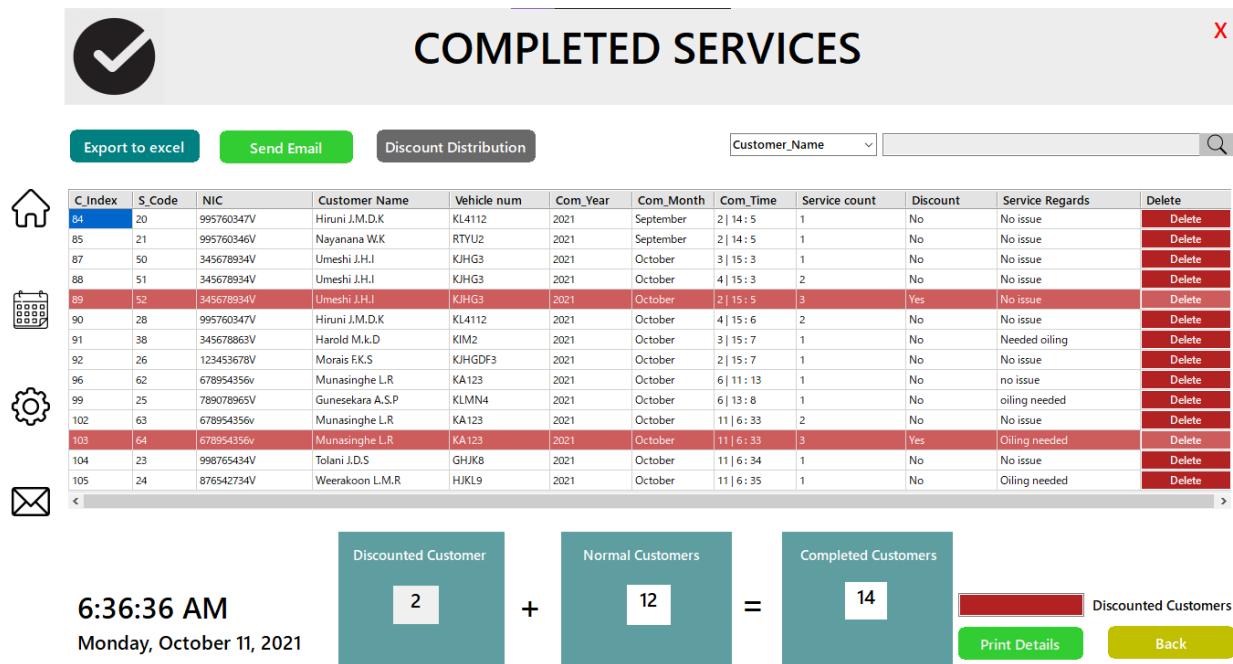


Figure 2.2



**Sri Lanka Institute of Information Technology**  
**Information Technology Project**  
**Year2, Semester 2 - 2021**

---

## Vehicle Management UI

**IT20120702**

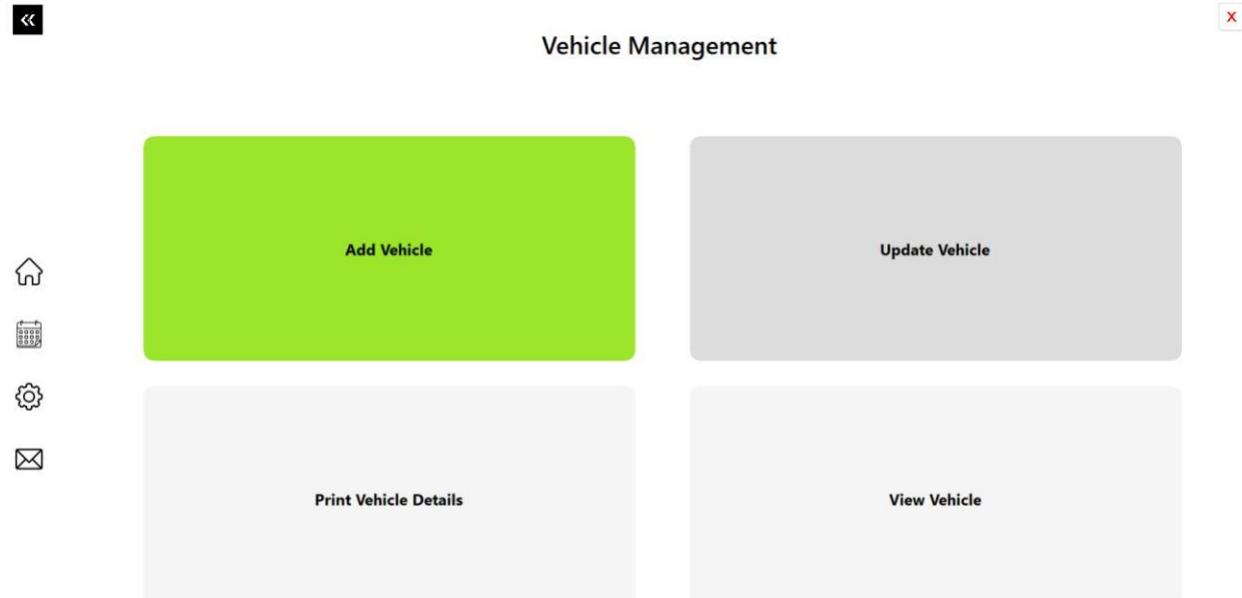


Figure 3.1.0

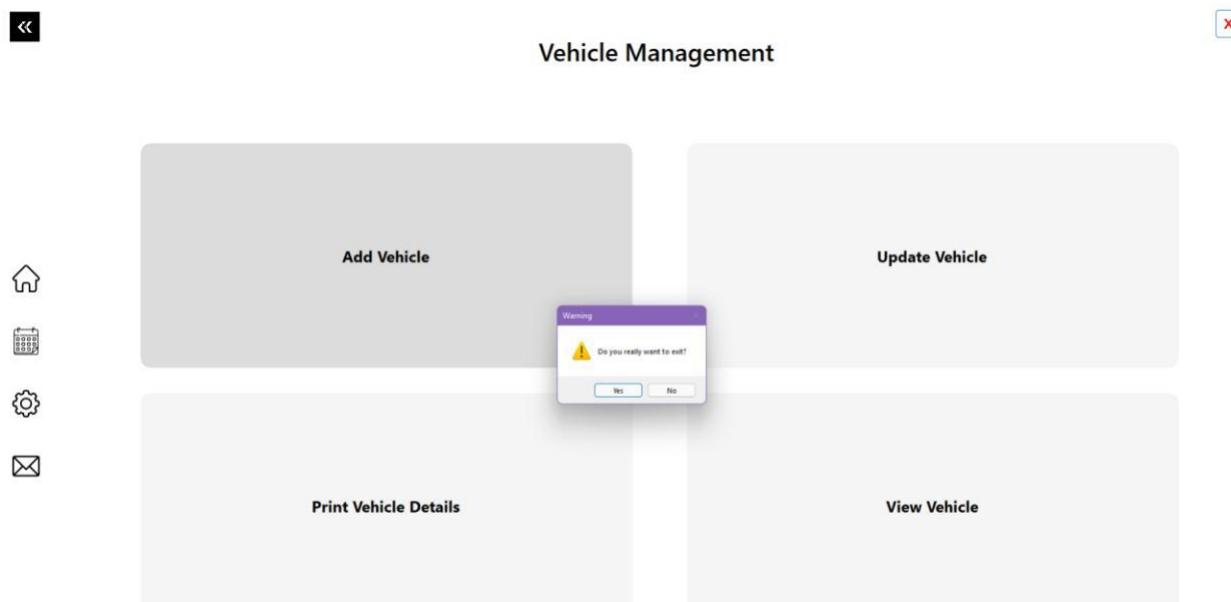


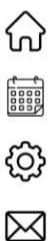
Figure 3.1.1



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021



### Vehicle Registration

Registration Form

Vehicle Number	<input type="text"/>
Vehicle Colour	<input type="text"/>
Vehicle Type	<input type="text"/>
Vehicle Condition	<input type="text"/>
Customer NIC	<input type="text"/>

**Save**    **Next**

7:46:58 PM  
Tuesday, October 12, 2021

Figure 3.2.0

### Vehicle Registration

Registration Form

Vehicle Number	<input type="text"/>
Vehicle Colour	<input type="text"/>
Vehicle Type	<input type="text"/>
Vehicle Condition	<input type="text"/>
Customer NIC	<input type="text"/>

**Save**    **Next**

Enter Vehicle number  
OK

7:47:06 PM  
Tuesday, October 12, 2021

Figure 3.2.1



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021



### Update Vehicle

Update Vehicle

	Vehicle ID	Vehicle Number	Vehicle Colour	Vehicle Type	Vehicle Condition	Customer NIC	Edit	Delete
▶	1	CAF-1550	Black	Car	Good	990021122V	<a href="#">Edit</a>	<a href="#">Delete</a>
	2	CAL-8351	Red	Jeep	Good	990712603V	<a href="#">Edit</a>	<a href="#">Delete</a>
	3	CAB-1121	White	Bike	Average	699921212V	<a href="#">Edit</a>	<a href="#">Delete</a>
	4	KM-1245	Red	Car	Good	996423603V	<a href="#">Edit</a>	<a href="#">Delete</a>
	5	CAE-6574	White	Van	Good	978854864V	<a href="#">Edit</a>	<a href="#">Delete</a>
	6	BA-2398	Red	Car	Old	976856562V	<a href="#">Edit</a>	<a href="#">Delete</a>
	7	CAD-9903	Black	Van	Good	990213456V	<a href="#">Edit</a>	<a href="#">Delete</a>
	9	CB-6754	Black	Van	Old	990654678V	<a href="#">Edit</a>	<a href="#">Delete</a>
	10	ADF-5647	Grey	Double Cab	Good	667564837V	<a href="#">Edit</a>	<a href="#">Delete</a>
	11	CB-1111	Purple	Bike	Old	735647565V	<a href="#">Edit</a>	<a href="#">Delete</a>
	12	SD-7865	Red	Car	Old	874564732V	<a href="#">Edit</a>	<a href="#">Delete</a>
	13	ASD-6574	Brown	Car	Average	R04156765V	<a href="#">Edit</a>	<a href="#">Delete</a>

**Insert Details**

Vehicle ID:   
Vehicle Colour:   
Vehicle Number:   
Vehicle Type:   
Vehicle Condition:   
Customer NIC:

[Update](#) [Clear](#)

7:47:18 PM  
Tuesday, October 12, 2021

Figure 3.3.0

### Update Vehicle

Update Vehicle

	Vehicle ID	Vehicle Number	Vehicle Colour	Vehicle Type	Vehicle Condition	Customer NIC	Edit	Delete
▶	1	CAF-1550	Black	Car	Good	990021122V	<a href="#">Edit</a>	<a href="#">Delete</a>
	2	CAL-8351	Red	Jeep	Good	990712603V	<a href="#">Edit</a>	<a href="#">Delete</a>
	3	CAB-1121	White	Bike	Average	699921212V	<a href="#">Edit</a>	<a href="#">Delete</a>
	4	KM-1245	Red	Car	Good	996423603V	<a href="#">Edit</a>	<a href="#">Delete</a>
	5	CAE-6574	White	Van	Good	978854864V	<a href="#">Edit</a>	<a href="#">Delete</a>
	6	BA-2398	Red	Car	Old	976856562V	<a href="#">Edit</a>	<a href="#">Delete</a>
	7	CAD-9903	Black	Van	Good	990213456V	<a href="#">Edit</a>	<a href="#">Delete</a>
	9	CB-6754	Black	Van	Old	990654678V	<a href="#">Edit</a>	<a href="#">Delete</a>
	10	ADF-5647	Grey	Double Cab	Good	667564837V	<a href="#">Edit</a>	<a href="#">Delete</a>
	11	CB-1111	Purple	Bike	Old	735647565V	<a href="#">Edit</a>	<a href="#">Delete</a>
	12	SD-7865	Red	Car	Old	874564732V	<a href="#">Edit</a>	<a href="#">Delete</a>
	13	ASD-6574	Brown	Car	Average	R04156765V	<a href="#">Edit</a>	<a href="#">Delete</a>

**Insert Details**

Vehicle ID:   
Vehicle Colour:   
Vehicle Number:   
Vehicle Type:   
Vehicle Condition:   
Customer NIC:

[Update](#) [Clear](#)

7:47:24 PM  
Tuesday, October 12, 2021

Figure 3.3.1



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

Update Vehicle

Update Vehicle

Vehicle ID	Vehicle Number	Vehicle Colour	Vehicle Type	Vehicle Condition	Customer NIC	Edit	Delete
2	CAL-8351	Red	Jeep	Good	990712603V	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
3	CAB-1121	White	Bike	Average	699921212V	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
4	KM-1245	Red	Car	Good	996423603V	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
5	CAE-6574	White	Van	Good	978854864V	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
6	BA-2398	Red	Car	Old	976856562V	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
7	CAD-9903	Black	Van	Good	990213456V	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
9	CB-6754	Black	Van	Old	990654678V	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
10	ADF-5647	Grey	Double Cab	Good	667564837V	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
11	CB-1111	Purple	Bike	Old	735647565V	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
12	SD-7865	Red	Car	Old	874564732V	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
13	ASD-6574	Brown	Car	Average	894356765V	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
14	ADF-5768	Time Blue	Car	Good	984567854V	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

Insert Details

Vehicle ID: 2  
Vehicle Colour: Red  
Vehicle Number: CAL-8351  
Vehicle Type: Jeep  
Vehicle Condition: Good  
Customer NIC: 990712603V

7:47:38 PM  
Tuesday, October 12, 2021

Figure 3.3.2

Update Vehicle

Update Vehicle

Vehicle ID	Vehicle Number	Vehicle Colour	Vehicle Type	Vehicle Condition	Customer NIC	Edit	Delete
2	CAL-8351	Red	Jeep	Good	990712603V	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
3	CAB-1121	White	Bike	Average	699921212V	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
4	KM-1245	Red	Car	Good	996423603V	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
5	CAE-6574	White	Van	Good	978854864V	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
6	BA-2398	Red	Car	Old	976856562V	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
7	CAD-9903	Black	Van	Good	990213456V	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
9	CB-6754	Black	Van	Old	990654678V	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
10	ADF-5647	Grey	Double Cab	Good	667564837V	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
11	CB-1111	Purple	Bike	Old	735647565V	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
12	SD-7865	Red	Car	Old	874564732V	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
13	ASD-6574	Brown	Car	Average	894356765V	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
14	ADF-5768	Time Blue	Car	Good	984567854V	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

Insert Details

Vehicle ID: 2  
Vehicle Colour: Black  
Vehicle Number: CAL-8351  
Vehicle Type: Jeep  
Vehicle Condition: Good  
Customer NIC: 990712603V

7:47:54 PM  
Tuesday, October 12, 2021

Figure 3.3.3



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

A screenshot of a Windows application window titled "View Vehicle". The main area displays a table of vehicle data with columns: Vid, Vehicle\_num, Vcol, Vtype, Vcon, and NIC. The table contains 21 rows of data. A "Print" button is located at the bottom left of the table. To the right of the table, a "Save As" dialog box is open, showing the file path "This ... > Doc... >". The "File name:" field contains "894356765V". The "Save as type:" dropdown shows "PDF file". Buttons for "Save" and "Cancel" are at the bottom right of the dialog.

Vid	Vehicle_num	Vcol	Vtype	Vcon	NIC
2	CAL-8351	Black	Jeep	Good	990712603V
3	CAB-1121	White	Bike	Average	699921212V
4	KM-1245	Red	Car	Good	996423603V
5	CAE-6574	White	Van	Good	978854864V
6	BA-2398	Red	Car	Old	976856562V
7	CAD-9903	Black	Van	Good	990213456V
9	CB-6754	Black	Van	Old	990654678V
10	ADF-5647	Grey	Double Cab	Good	667564837V
11	CB-1111	Purple	Bike	Old	735647565V
12	SD-7865	Red	Car	Old	874564732V
13	ASD-6574	Brown	Car	Average	894356765V
14	ADF-5768	Lime Blue	Car	Good	984567654V
15	AD-6576	Blue	Scooter	Average	789867543V
16	AB-5465	Black	Bike	Old	768956543V
18	AVS-7856	Pink	Scooter	Good	974323456V
19	DAA-6453	Orange	Car	Average	987654321V
20	AAA-7563	Red	Car	Old	876545676V
21	CAF-1550	Grey	Car	Good	995512342V

7:48:28 PM

Tuesday, October 12, 2021

Figure 3.4.0

A screenshot of a Windows application window titled "View Vehicle". The main area displays a table of vehicle data with columns: Vid, Vehicle\_num, Vcol, Vtype, Vcon, and NIC. The table contains 21 rows of data. A "Print" button is located at the bottom left of the table. To the right of the table, a "Warning" dialog box is centered, asking "Do you really want to exit?". Buttons for "Yes" and "No" are at the bottom right of the dialog. In the background, there is a "Update Vehicle" button.

Vid	Vehicle_num	Vcol	Vtype	Vcon	NIC
2	CAL-8351	Black	Jeep	Good	990712603V
3	CAB-1121	White	Bike	Average	699921212V
4	KM-1245	Red	Car	Good	996423603V
5	CAE-6574	White	Van	Good	978854864V
6	BA-2398	Red	Car	Old	976856562V
7	CAD-9903	Black	Van	Good	990213456V
9	CB-6754	Black	Van	Old	990654678V
10	ADF-5647	Grey	Double Cab	Good	667564837V
11	CB-1111	Purple	Bike	Old	735647565V
12	SD-7865	Red	Car	Old	874564732V
13	ASD-6574	Brown	Car	Average	894356765V
14	ADF-5768	Lime Blue	Car	Good	984567654V
15	AD-6576	Blue	Scooter	Average	789867543V
16	AB-5465	Black	Bike	Old	768956543V
18	AVS-7856	Pink	Scooter	Good	974323456V
19	DAA-6453	Orange	Car	Average	987654321V
20	AAA-7563	Red	Car	Old	876545676V
21	CAF-1550	Grey	Car	Good	995512342V

7:48:37 PM

Tuesday, October 12, 2021

Figure 3.4.1



**Sri Lanka Institute of Information Technology**  
**Information Technology Project**  
**Year2, Semester 2 - 2021**

**View Vehicle**

**Search By**

Vehicle ID	Vehicle Number	Customer NIC			
1		<input type="button" value="Clear"/>			
Vid	Vehicle_num	Vcol	Vtype	Vcon	NIC
10	ADF-5647	Grey	Double Cab	Good	667564837V
11	CB-1111	Purple	Bike	Old	735647565V
12	SD-7865	Red	Car	Old	874564732V
13	ASD-6574	Brown	Car	Avarage	894356765V
14	ADF-5768	Lime Blue	Car	Good	984567654V
15	AD-6576	Blue	Scooter	Avarage	789867543V
16	AB-5465	Black	Bike	Old	768956543V
18	AVS-7856	Pink	Scooter	Good	974323456V
19	DAA-6453	Orange	Car	Avarage	987654321V

7:48:47 PM  
Tuesday, October 12, 2021

Figure 3.5.0

**View Vehicle**

**Search By**

Vehicle ID	Vehicle Number	Customer NIC			
		<input type="button" value="Clear"/>			
Vid	Vehicle_num	Vcol	Vtype	Vcon	NIC
2	CAL-8351	Black	Jeep	Good	990712603V
3	CAB-1121	White	Bike	Avarage	699921212V
5	CAE-6574	White	Van	Good	97854864V
7	CAD-9903	Black	Van	Good	990213456V
9	CB-6754	Black	Van	Old	990654678V
11	CB-1111	Purple	Bike	Old	735647565V
21	CAF-1550	Grey	Car	Good	995512342V

7:48:56 PM  
Tuesday, October 12, 2021

Figure 3.5.2



**Sri Lanka Institute of Information Technology**  
**Information Technology Project**  
**Year2, Semester 2 - 2021**



**View Vehicle**

**Search By**

Vehicle ID		Vehicle Number		Customer NIC	
<input type="text"/>	<input type="button" value="Clear"/>				
Vid	Vehicle_num	Vcol	Vtype	Vcon	NIC
1	CAL-8351	Black	Jeep	Good	990712603V
4	KM-1245	Red	Car	Good	996423603V
5	CAE-6574	White	Van	Good	97854864V
6	BA-2398	Red	Car	Old	976856562V
7	CAD-9903	Black	Van	Good	99021345V
9	CB-6754	Black	Van	Old	990654678V
14	ADF-5768	Lime Blue	Car	Good	984567654V
18	AVS-7856	Pink	Scooter	Good	974323456V
19	DAA-6453	Orange	Car	Average	987654321V
21	CAF-1550	Grey	Car	Good	995512342V

7:49:02 PM  
Tuesday, October 12, 2021

Figure 3.5.3



**Sri Lanka Institute of Information Technology**  
**Information Technology Project**  
**Year2, Semester 2 - 2021**

**Walalawela K.K**

**IT20119812**

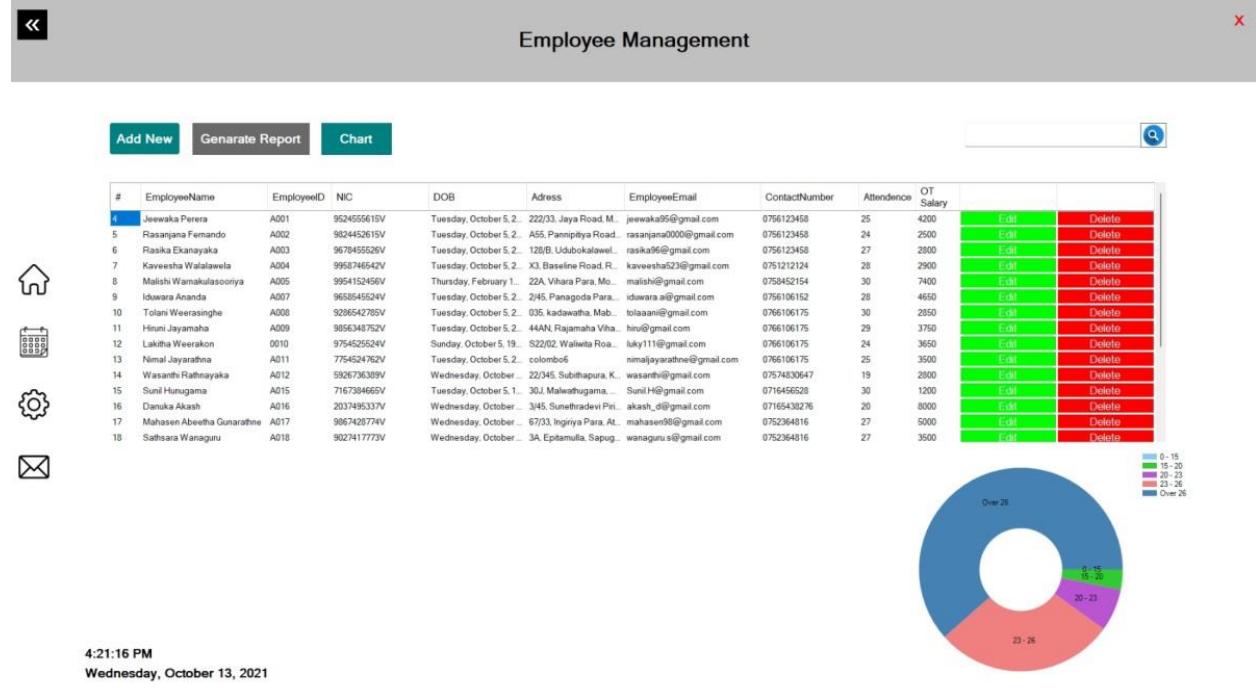


Figure 4.1

The figure shows a screenshot of the 'Add Employee' form. The title bar says 'Add EmployeeSalary' and the main title is 'Add Employee'. The form contains the following fields:

- Employee Name:
- Employee ID:
- NIC:
- DOB:  (Wednesday, October 13, 2021)
- Address:
- Employee Email:
- Contact Number:
- Attendance:
- OT Salary:
- Buttons: 'Calculate' (green) and 'Save' (green)

Figure 4.1.1



**Sri Lanka Institute of Information Technology**  
**Information Technology Project**  
**Year2, Semester 2 - 2021**

Add EmployeeSalary

## Add Employee

Employee Name	raja
Employee ID	A2121
NIC	
DOB	1999
Address	
Employee Email	
Contact Number	
Attendance	24
OT Salary	2000

**Calculate** **Save**

Employee NIC is Empty (>3).  
OK

Figure 4.1.2

Add EmployeeSalary

## Add Employee

Employee Name	raja
Employee ID	A2121
NIC	996584287V
DOB	1999
Address	
Employee Email	
Contact Number	
Attendance	24
OT Salary	

**Calculate** **Save**

Enter 10 digit contact number.  
OK

Figure 4.1.3



**Sri Lanka Institute of Information Technology**  
**Information Technology Project**  
**Year2, Semester 2 - 2021**

Add EmployeeSalary

### Add Employee

Employee ID	OT Hours
Employee Name	<input type="text"/>
NIC	Payment per hour
DOB	<input type="text"/>
Address	Current Payment
Employee Type	<input type="text"/>
Commission	Total
Attendance	24
OT Salary	<input type="text"/>
<input type="button" value="Calculate"/> <input type="button" value="Save"/>	

Figure 4.1.4

Add EmployeeSalary

### Add Employee

Employee ID	OT Hours
Employee Name	<input type="text" value="5"/>
NIC	Payment per hour
DOB	<input type="text" value="500"/>
Address	Current Payment
Employee Type	<input type="text" value="200"/>
Commission	Total
Attendance	24
OT Salary	<input type="text" value="2700"/>
<input type="button" value="Calculate"/> <input type="button" value="Save"/>	

Figure 4.1.5



**Sri Lanka Institute of Information Technology**  
**Information Technology Project**  
**Year2, Semester 2 - 2021**

Add EmployeeSalary

## Add Employee

Employee Name	raja
Employee ID	A2121
NIC	996584287V
DOB	Information X 199
Address	
Employee Email	
Contact Number	
Attendance	24
OT Salary	2700

**Information** X 199  
Added Successfully  
OK

**Calculate** **Save**

Figure 4.1.6

Add EmployeeSalary

## Update Employee Data

Employee Name	Kaveesha Walalawela
Employee ID	A004
NIC	9058746542V
DOB	Wednesday, October 13, 2021
Address	X3, Baseline Road, Rajagiriya
Employee Email	kaveesha523@gmail.com
Contact Number	0751212124
Attendance	28
OT Salary	2900

**Calculate** **Update**

Figure 4.2.1



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

Add EmployeeSalary

### Update Employee Data

Employee Name	Kaveesha Walalawela
Employee ID	A004
NIC	9958746542V
DOB	1995-05-21
Address	Rajagiriya
Employee Email	kaveesha.walalawela@gmail.com
Contact Number	
Attendance	28
OT Salary	2900

**Information**

Updated Successfully

OK

**Calculate**    **Update**

Figure 4.2.2

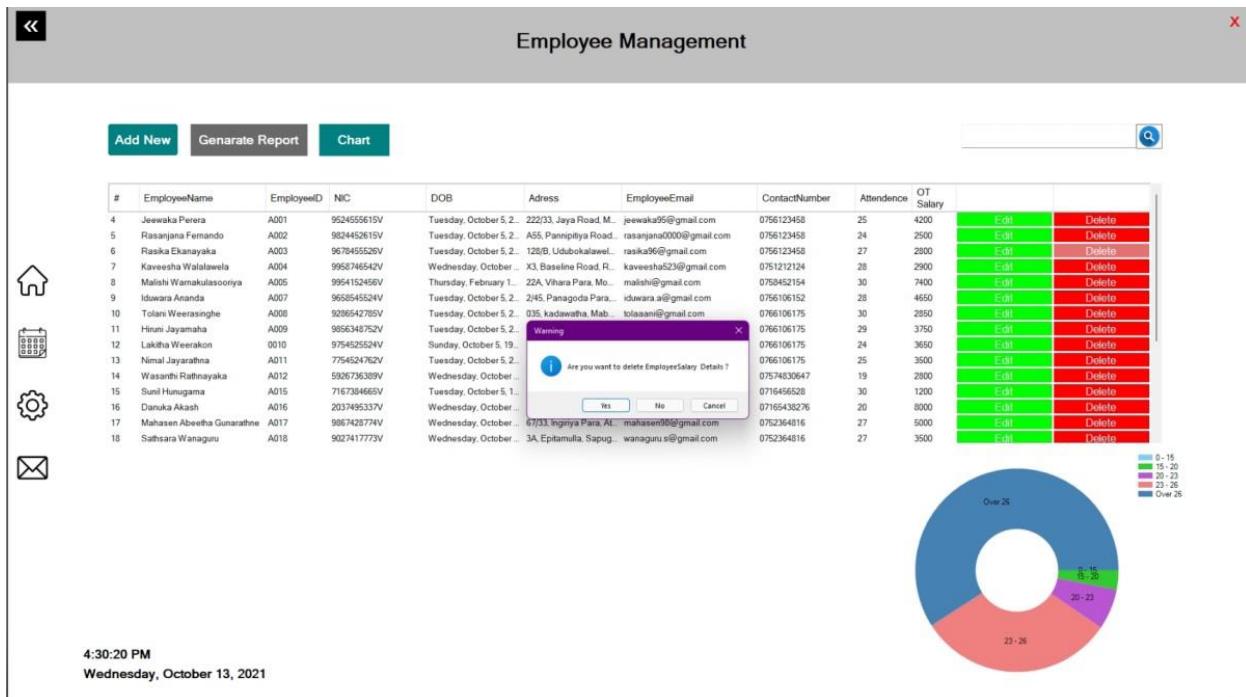


Figure 4.3



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

ID	EmployeeID	EmployeeName	EmployeeID1	EmployeeEmail	OT	ContactNumber	Attendance	DOB	Adress
4	A001	Jeeewaka Perera	A001	jeeewaka95@gmail.com	4200	0756123458	25	Tuesday, October 5, 1996	222/33, Jaya Road, Kandy
5	A002	Rasanjana Fema...	A002	rasanjana0000@gmail...	2500	0756123458	24	Tuesday, October 5, 1996	A55, Pannipitiya...
6	A003	Rasika Ekanayaka	A003	rasika96@gmail.com	2800	0756123458	27	Tuesday, October 5, 1996	126/B, Udubokal...
7	A004	Kaveesha Wal...	A004	kaveesha523@gmail...	2900	0751212124	28	Wednesday, October 6, 1996	X3, Baseline Roa...
8	A005	Malishi Wamakul...	A005	malishi@gmail.com	7400	0758452154	30	Thursday, February 1, 1996	22A, Vihara Para...
9	A007	Iduwara Ananda	A007	iduwara.a@gmail...	4650	0756106152	28	Tuesday, October 5, 1996	2/45, Panagoda...
10	A008	Tolani Weerasing...	A008	tolaaari@gmail.c...	2850	0766106175	30	Tuesday, October 5, 1996	335, Kadawath...
11	A009	Hiruni Jayamaha	A009	hiru@gmail.com	3750	0766106175	29	Tuesday, October 5, 1996	44AN, Rajamaha...
12	A010	Lakitha Weerakon...	A010	luky111@gmail.c...	3650	0766106175	24	Sunday, October 4, 1998	522/02, Walvita...
13	A011	Nimal Jayarathna	A011	nimaljayarathne...	3500	0766106175	25	Tuesday, October 5, 1996	colombo6
14	A012	Wasanthi Rathna	A012	wasanthi@gmail...	2800	07574830647	19	Wednesday, Octo...	22/345, Subath...
15	A015	Sunil Hunugama	A015	Sunil.H@gmail.com	1200	0716456528	30	Tuesday, October 5, 1996	30J, Malwathuga...
16	A016	Danuka Akash	A016	akash_d@gmail...	8000	07165438276	20	Wednesday, Oct...	3/45, Sunethrad...
17	A017	Mahasen Abeeth...	A017	mahasen98@gmail...	5000	0752364816	27	Wednesday, Oct...	67/33, Ingliya P...
18	A018	Sathiana Wanag...	A018	wanaguru.x@gmail...	3500	0752364816	27	Wednesday, Oct...	3A, Epitamulla, S...
19	A019	Shehan Aroshana	A019	shehana@gmail...	1500	0752845387	28	Friday, October 5, 1996	A5/65, Perera R...
20	A020	Sampath Rajakar...	A020	sampath@gmail...	5500	071634936	23	Tuesday, October 5, 1996	34/C, Hanuwella...
21	A021	Nushikan Nizmi	A021	nushnish@gmail...	1500	0773892749	30	Monday, October 5, 1996	33A, Rathnapura...
22	A022	Shiva Rajakirth...	A022	shivar@gmail.com	5500	0777364274	25	Tuesday, October 5, 1996	8C, Nader Road...
23	A023	Saraswathi Mano...	A023	saraswathi85@g...	1800	0777364274	20	Tuesday, Januar...	12/18, Aulcot Ro...
24	A024	Santhush godaw...	A024	saanthush@gmail...	1000	0777364274	24	Thursday, August 2, 1990	12/4,bokkawala...
25	A025	suresh jayamaha	A025	suresh828@gmail...	7500	0777364274	26	Wednesday, Oct...	12/4 puapitiya, a...
26	A026	Suththa rajapaksha	A026	suththa.raja@gmail...	3450	0777232474	26	Friday, October 5, 1996	12/5 thibirigaway...
30	A2121	raja	A2121	eaja@gmail.com	2700	0712345678	24	Wednesday, Jun...	kandy

Generate Report

Figure 4.4.1

The screenshot shows a 'Save As' dialog box in Microsoft Word. The 'File name' field contains 'aaaa'. The 'Save as type' field is set to 'PDF file'. The 'Address' bar shows the path 'This PC > Documents >'. The main area lists several folders: Capture, Custom Office Templates, Downloads, Visual Studio 2019, and Zoom. Below the dialog, a portion of an Excel spreadsheet is visible, showing rows 25, 26, and 30 of the 'EmployeeReport' sheet. The columns include ID, EmployeeID, EmployeeName, EmployeeID1, EmployeeEmail, OT, ContactNumber, Attendance, DOB, and Adress.

Figure 4.4.2



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

ID	Employee	Employee	Employee	Employee	OT	ContactNo	Attendance	DOB	Address
4	A001	Jenaka	Pemila	A001	0200	07561234	25	Tuesday, October 5, 2021	22/233, No. 9, Road, Colombo 01
5	A002	Kusumara	Pemila	A002	2500	07561234	24	Tuesday, October 5, 2021	AD5, Keweenaw Colony & Roads, Maligawatta
6	A003	Ranjitha	Ekanayake	A003	0200	07561234	27	Tuesday, October 5, 2021	13, 10th Street, Maligawatta
7	A004	Kavisha	Pemila	A004	2600	07512121	28	Wednesday, Oct 13, 2021	Widneswala XL, 10th Avenue, Maligawatta
8	A005	Muthika	Pemila	A005	0200	07584521	30	Thursday, October 14, 1998	22A, Keweenaw Park, Maligawatta
9	A007	Indura	Pemila	A007	4500	07561001	28	Tuesday, October 5, 2021	2140, Keweenaw Park, Maligawatta
10	A008	Tulasi	Wijesinghe	A008	0200	07561001	30	Tuesday, October 5, 2021	10, Keweenaw Park, Maligawatta

11	A009	Hinuri	Ajayawardena	A009	Avu@gmai	3750	07561001	29	Tuesday, October 5, 2021
12	B010	Lakitha	Wickramasinghe	B010	laky11@gmail.com	3600	07561001	24	Sunday, October 3, 1997
13	A011	Nimal	Amarasinha	A011	anjulayar@gmail.com	3500	07561001	25	Tuesday, October 5, 2021
14	A012	Roshanika	Rudravikram	A012	roshanika.rudravikram@gmail.com	2800	07515430	19	Wednesday, October 6, 1998
15	A015	Gordi	Hunigama	A015	gordi.hung@gmail.com	3200	07164565	30	Tuesday, October 5, 2021
16	A016	Danuka	Alash	A016	danuka.alash@gmail.com	2760	07165438	20	Wednesday, October 6, 2021
17	A017	Malaveen	Abeysekera	A017	malaveen.abeysekera@gmail.com	9500	07523648	27	Wednesday, October 6, 2021
18	A018	Sathana	Wataquaru	A018	wataquaru.wataquaru@gmail.com	3500	07523648	27	Wednesday, October 6, 2021

19	A019	Shehan	Wickramasinghe	A019	shehan.wickramasinghe@gmail.com	1500	07528453	28	Friday, October 8, 2021
20	A020	Ramopath	Wickramasinghe	A020	ramopath.wickramasinghe@gmail.com	3500	07153849	23	Tuesday, October 5, 2021
21	A021	Nushman	Wickramasinghe	A021	nushman.wickramasinghe@gmail.com	1500	07738027	30	Monday, October 4, 1998
22	A022	Shivani	Wickramasinghe	A022	shivani.wickramasinghe@gmail.com	3500	07737643	25	Tuesday, October 5, 2021
23	A023	Gorawathi	Wickramasinghe	A023	gorawathi.wickramasinghe@gmail.com	1800	07773842	20	Tuesday, October 5, 1995
24	A024	Gauthami	Wickramasinghe	A024	gauthami.wickramasinghe@gmail.com	1500	07773842	24	Thursday, October 7, 2001
25	A025	Shreyas	Wickramasinghe	A025	shreyas.wickramasinghe@gmail.com	1500	07773842	26	Friday, October 8, 2001
26	A026	Sweeta	Wickramasinghe	A026	sweeta.wickramasinghe@gmail.com	3400	07773224	26	Friday, October 8, 1998
30	A2121	Reja	A2121	A2121	reja@gmail.com	2700	07123456	24	Wednesday, June 9, 1998

Figure 4.4.3



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

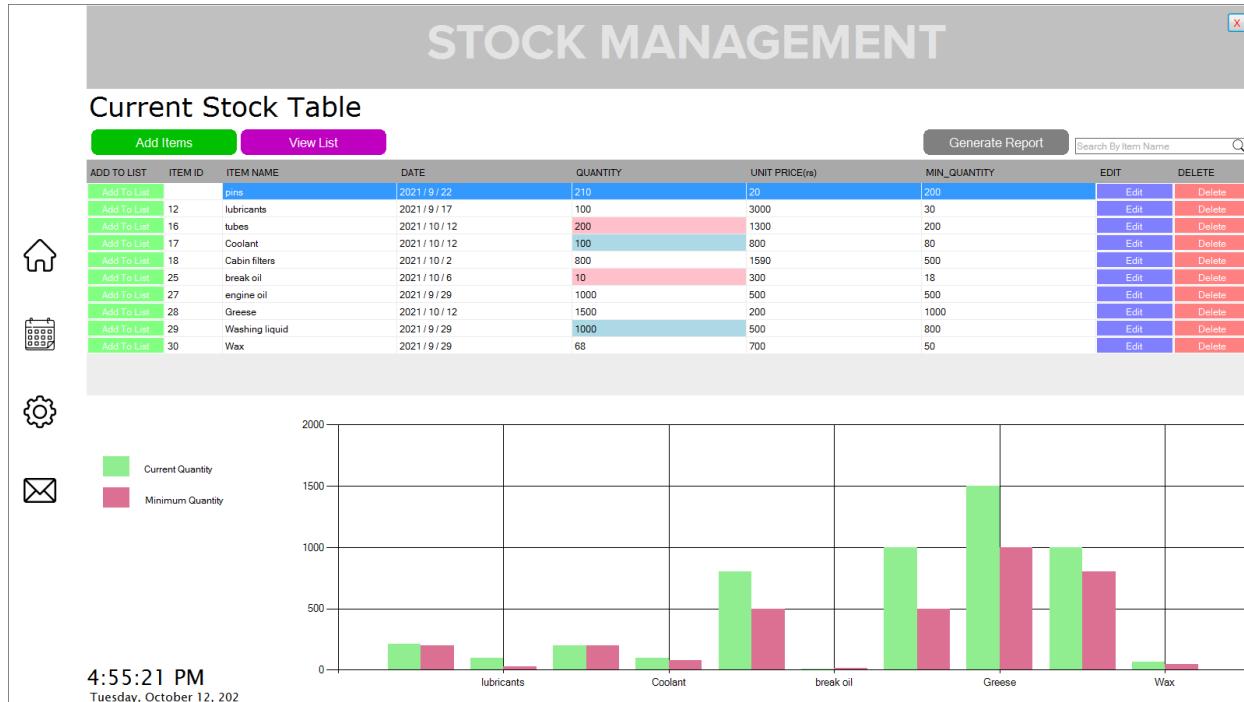


Figure 5.0

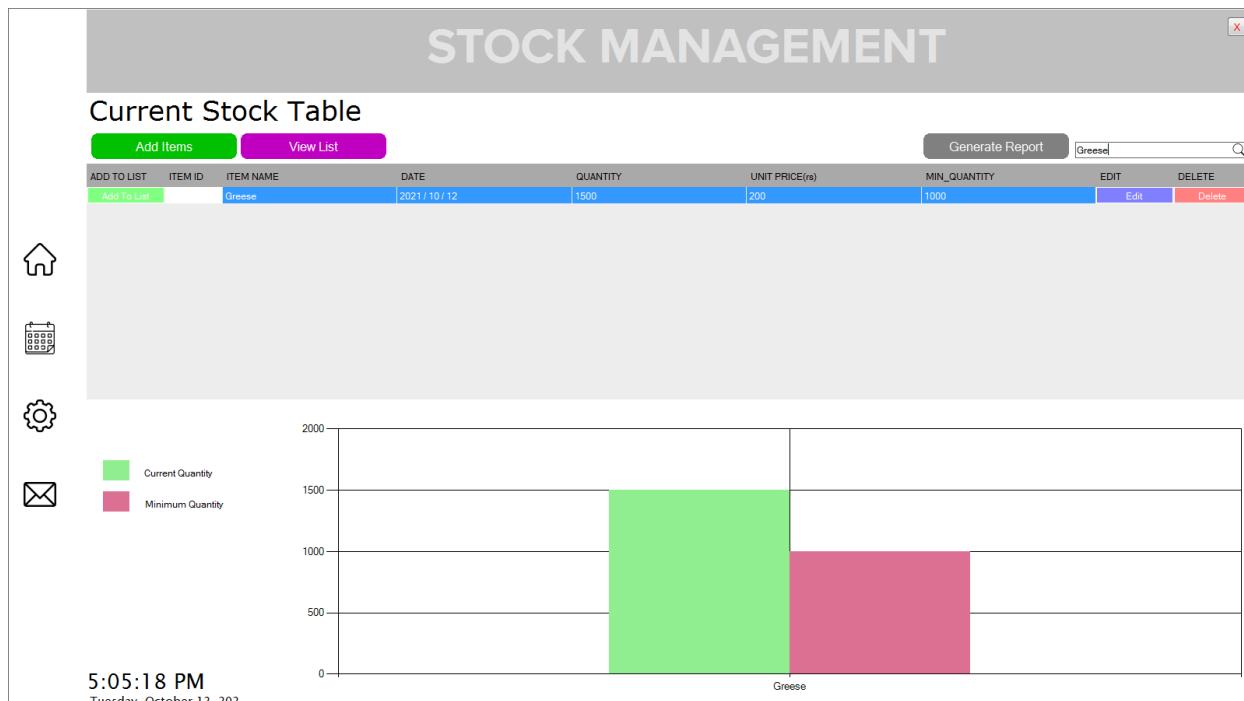


Figure 5.0.1



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021



Figure 5.0.2

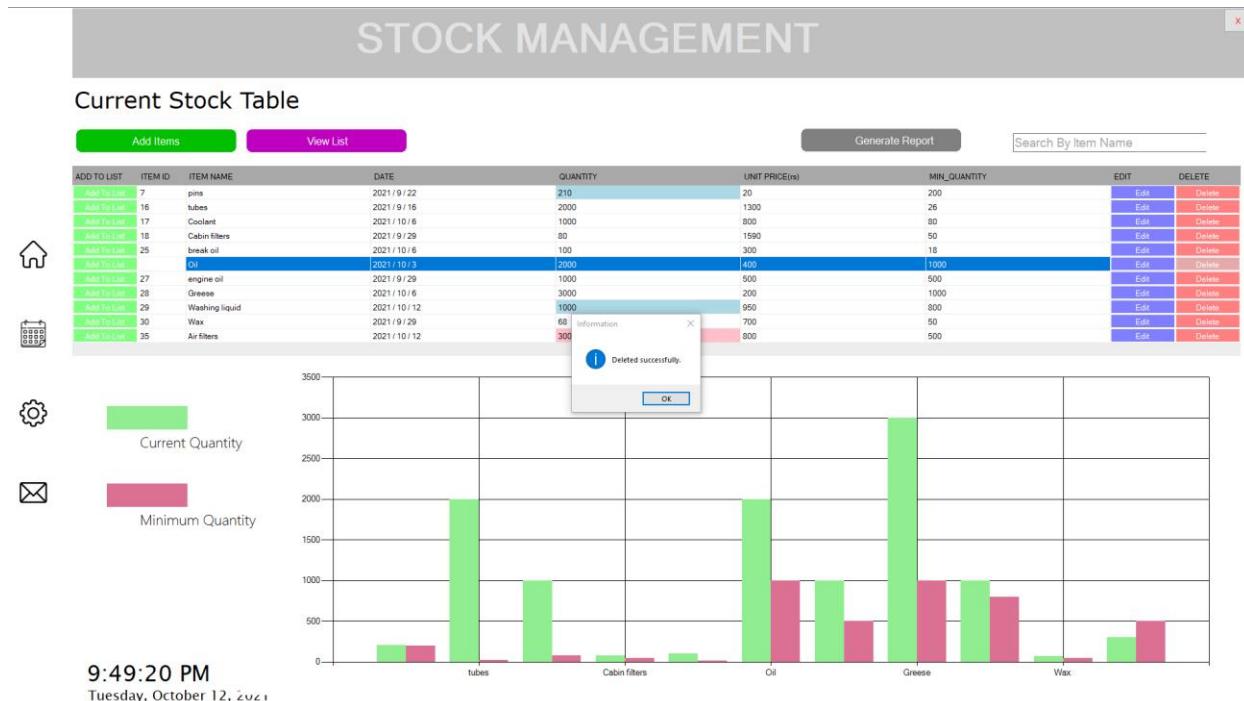


Figure 5.0.3



**Sri Lanka Institute of Information Technology**  
**Information Technology Project**  
**Year2, Semester 2 - 2021**

**Add Details**

Item Name: [Text Input]

Date: Tuesday , October 12, 2021 [Calendar Icon]

Quantity: [Text Input]

Unit Price(rs): [Text Input]

Minimum Quantity: [Text Input]

**Save**

A screenshot of a Windows-style application window titled "Add Details". The window contains five input fields: "Item Name", "Date" (set to Tuesday, October 12, 2021), "Quantity", "Unit Price(rs)", and "Minimum Quantity". A large green "Save" button is positioned at the bottom right. The "Item Name" field is currently empty.

Figure 5.1

**Add Details**

Item Name: [Text Input]

Date: Tuesday , October 12, 2021 [Calendar Icon]

Quantity: [Text Input] X

Unit Price(rs): [Text Input]

Minimum Quantity: [Text Input]

**Save**

A screenshot of the same "Add Details" window. An error message box is overlaid on the screen, centered over the "Quantity" input field. The message box has a title "X" and the text "Item Name is empty" with an "OK" button at the bottom. The rest of the form fields are visible but appear to be empty or have placeholder text.

Figure 5.1.1



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

The screenshot shows two instances of the 'Add Details' form side-by-side. Both forms have the following fields:

- Item Name: Air filters
- Date: Tuesday, October 12, 2021
- Quantity: 0
- Unit Price(rs): #
- Minimum Quantity: #

A modal dialog box is open over both forms, displaying error messages:

- Quantity: Invalid input
- Unit Price(rs): Do not enter letters or any other symbols to this field!

Both forms have a green 'Save' button at the bottom.

Figure 5.1.2

The screenshot shows the 'Add Details' form with the following fields:

- Item Name: Air filters
- Date: Tuesday, October 12, 2021
- Quantity: 300
- Unit Price(rs): 800
- Minimum Quantity: 500

A modal dialog box is open, displaying the message: "Added sucessfully." with an OK button.

There is also a green 'Save' button at the bottom of the form.

Figure 5.1.3



**Sri Lanka Institute of Information Technology**  
**Information Technology Project**  
**Year2, Semester 2 - 2021**

STOCK MANAGEMENT						
Stock Items Need To Purchase						
ORDER ID	ITEM ID	ITEM NAME	DATE	REQUIRED QUANTITY	UNIT PRICE(rs)	TOTAL PRICE(rs)
16	16	tubes	2021 / 9 / 16	1000	1300	1300000
24	25	break oil	2021 / 9 / 29	1000	300	300000
25	28	Greese	2021 / 9 / 29	2500	200	500000
26	17	Coolant	2021 / 9 / 29	110	800	88000
27	29	Washing liquid	2021 / 9 / 29	500	500	250000
28	26	Oil	2021 / 9 / 30	2000	400	800000

Figure 5.2

STOCK MANAGEMENT						
Stock Items Need To Purchase						
ORDER ID	ITEM ID	ITEM NAME	DATE	REQUIRED QUANTITY	UNIT PRICE(rs)	TOTAL PRICE(rs)
26	17	Coolant	2021 / 9 / 29	110	800	88000

Figure 5.2.1



**Sri Lanka Institute of Information Technology**  
**Information Technology Project**  
**Year2, Semester 2 - 2021**

STOCK MANAGEMENT								
Stock Items Need To Purchase								
Search By Item Name <input type="text"/> <input type="button" value="X"/>								
ORDER ID	ITEM ID	ITEM NAME	DATE	REQUIRED QUANTITY	UNIT PRICE(rs)	TOTAL PRICE(rs)	DELETE	
16	16	tubes	2021-10-12	1000	1300	1300000	<input type="button" value="Delete"/>	
24	25	break oil		300	300	300000	<input type="button" value="Delete"/>	
25	28	Greese		200	500	500000	<input type="button" value="Delete"/>	
26	17	Coolant		800	8800	88000	<input type="button" value="Delete"/>	
27	29	Washing liquid		500	500	250000	<input type="button" value="Delete"/>	
28	26	Oil		400	400	800000	<input type="button" value="Delete"/>	

Figure 5.2.2

### Edit Details

Item Name

Date

Quantity

Unit Price(rs)

Minimum Quantity

Figure 5.3



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

<b>Edit Details</b>	<b>Edit Details</b>
<p>Item Name    Washing liquid</p> <p>Date        Wednesday, September 29, 2021</p> <p>Quantity    1000</p> <p>Unit Price(rs)    aaaaaaa</p> <p>Minimum Quantity    800</p> <p>Do not enter letters or any other symbols to this field!</p> <p><b>OK</b></p> <p><b>Edit</b></p>	<p>Item Name    Washing liquid</p> <p>Date        Wednesday, September 29, 2021</p> <p>Quantity    1000</p> <p>Unit Price(rs)    -600</p> <p>Minimum Quantity    800</p> <p>Invalid Input</p> <p><b>OK</b></p> <p><b>Edit</b></p>

Figure 5.3.2

<b>Edit Details</b>
<p>Item Name    Washing liquid</p> <p>Date        Wednesday, September 29, 2021</p> <p>Quantity    1000</p> <p>Unit Price(rs)   </p> <p>Minimum Quantity    800</p> <p>Unit price is empty</p> <p><b>OK</b></p> <p><b>Edit</b></p>

Figure 5.3.2



**Sri Lanka Institute of Information Technology**  
**Information Technology Project**  
**Year2, Semester 2 - 2021**

**Edit Details**

Item Name: Washing liquid

Date: Wednesday, September 29, 2021

Quantity: 1000

Unit Price(rs): 950

Minimum Quantity: 800

Information

Updated sucessfully.

OK

**Edit**

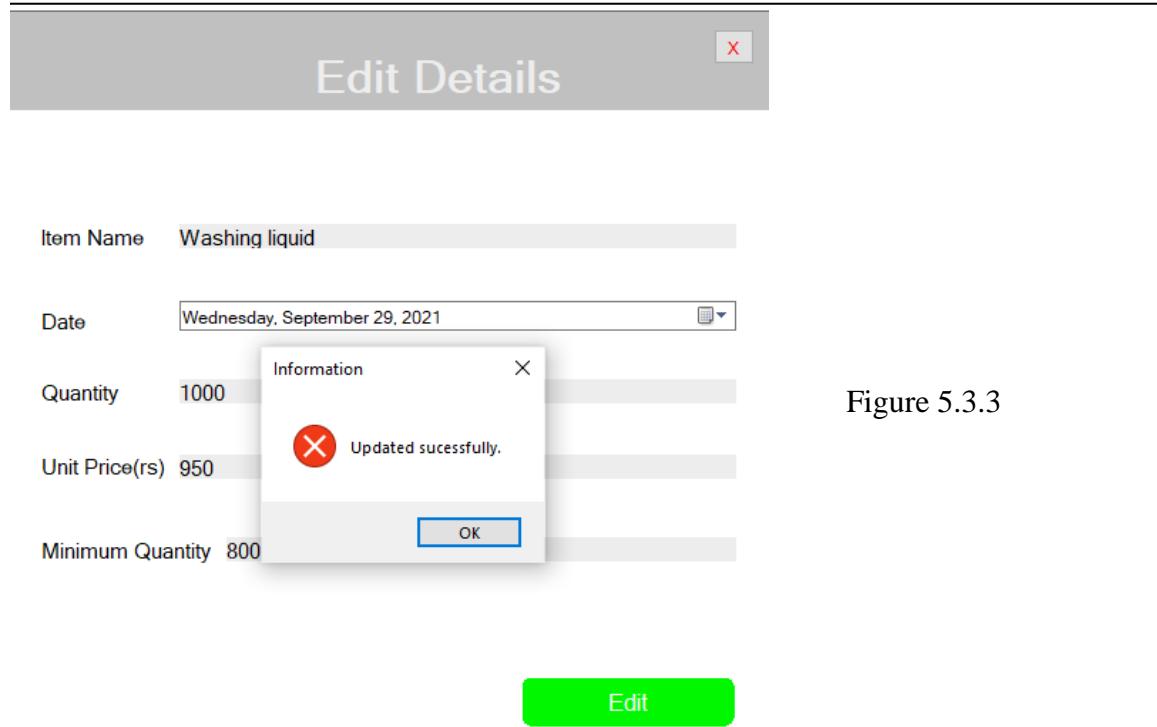


Figure 5.3.3

**Add Quantity**

Item ID: 29

Item Name: Washing liquid

Date: Wednesday, October 13, 2021

Required Quantity:

Unit Price(rs): 500

Total Price(rs):

Calculate

Add

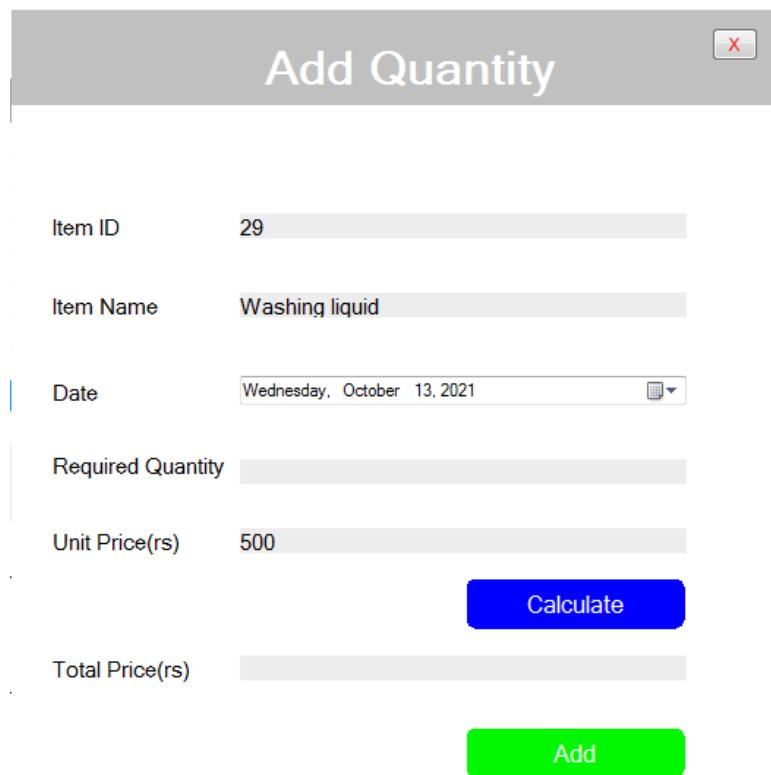


Figure 5.4



**Sri Lanka Institute of Information Technology**  
**Information Technology Project**  
**Year2, Semester 2 - 2021**

### Add Quantity

Item ID: 29

Item Name: Washing liquid

Date: Tuesday

Required Quantity:  Please fill all the fields

Unit Price(rs): 500

Total Price(rs):

**Calculate**

**Add**

Figure 5.4.1

### Add Quantity

Item ID: 29

Item Name: Washing liquid

Date: Tuesday

Required Quantity:  Invalid input

Unit Price(rs): 500

Total Price(rs): -100000

**Calculate**

**Add**

Figure 5.4.2



**Sri Lanka Institute of Information Technology**  
**Information Technology Project**  
**Year2, Semester 2 - 2021**

### Add Quantity

Item ID: 29

Item Name: Washing liquid

Date: Tu

Required Quantity: 400

Unit Price(rs): 500

Total Price(rs): 2000000

Information

Added sucessfully.

OK

Calculate

Add

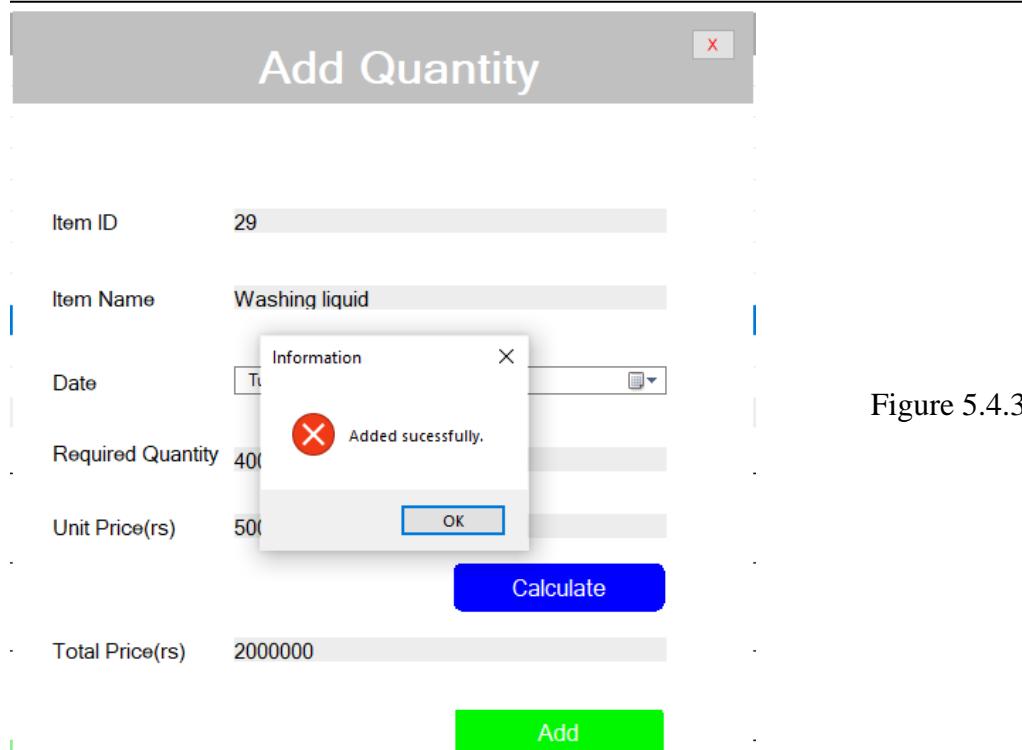


Figure 5.4.3

### Report

ReportStkForm

#### Current Store Items

ITEM NAME	QUANTITY
pins	210
tubes	2000
Coolant	1000
Cabin filters	80
break oil	100
engine oil	1000
Greese	3000
Washing liquid	1000
Wax	68
Airfilters	300

#### Ordered Store Items

ITEM NAME	QUANTITY
tubes	1000
break oil	1000
Greese	2500
Coolant	110
Oil	2000
Washing liquid	4000

Print

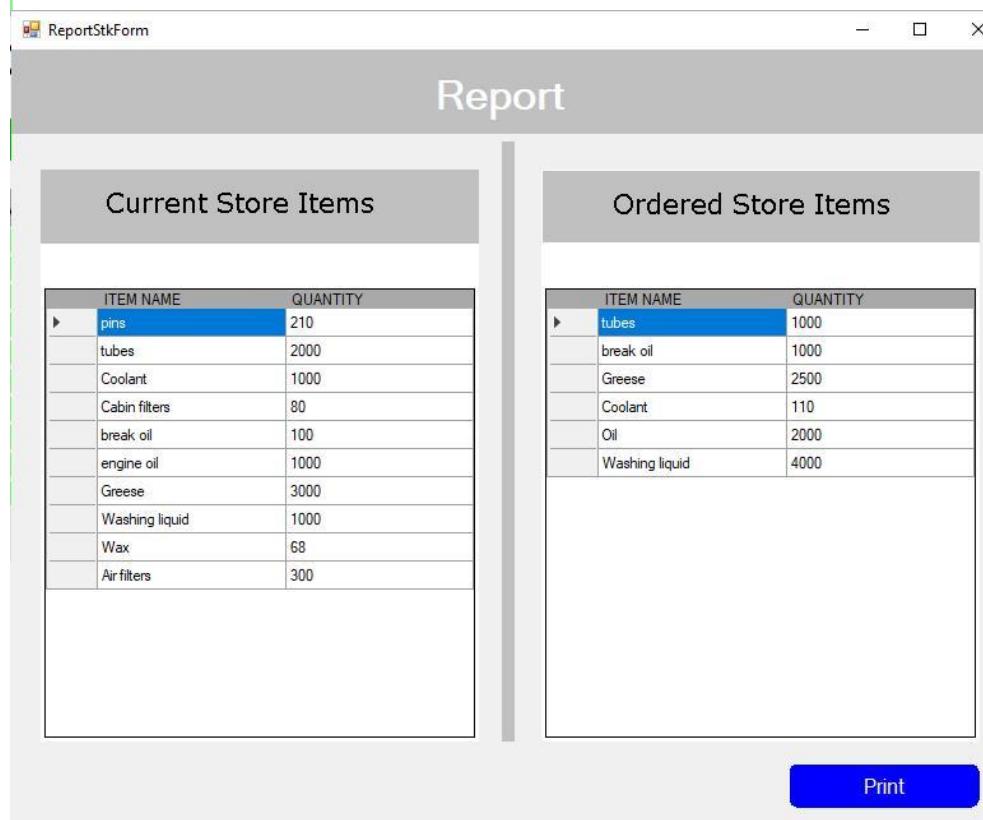


Figure 5.5



**Sri Lanka Institute of Information Technology**  
**Information Technology Project**  
**Year2, Semester 2 - 2021**

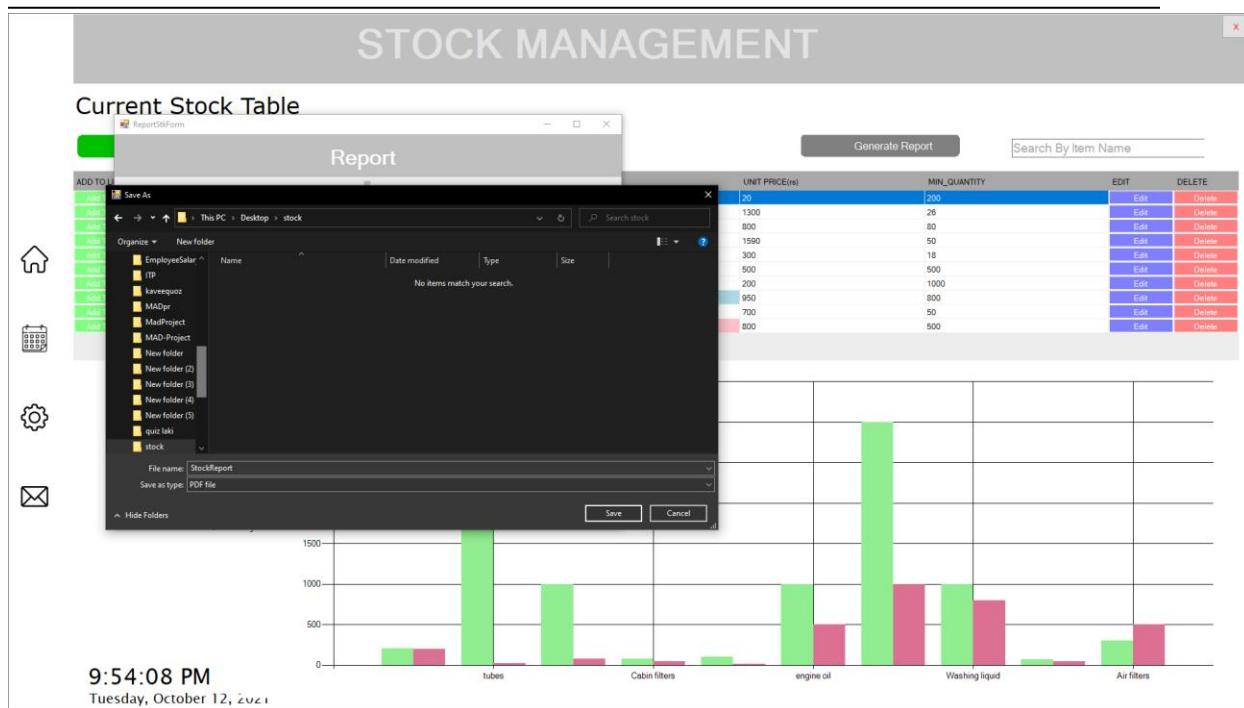


Figure 5.5.1

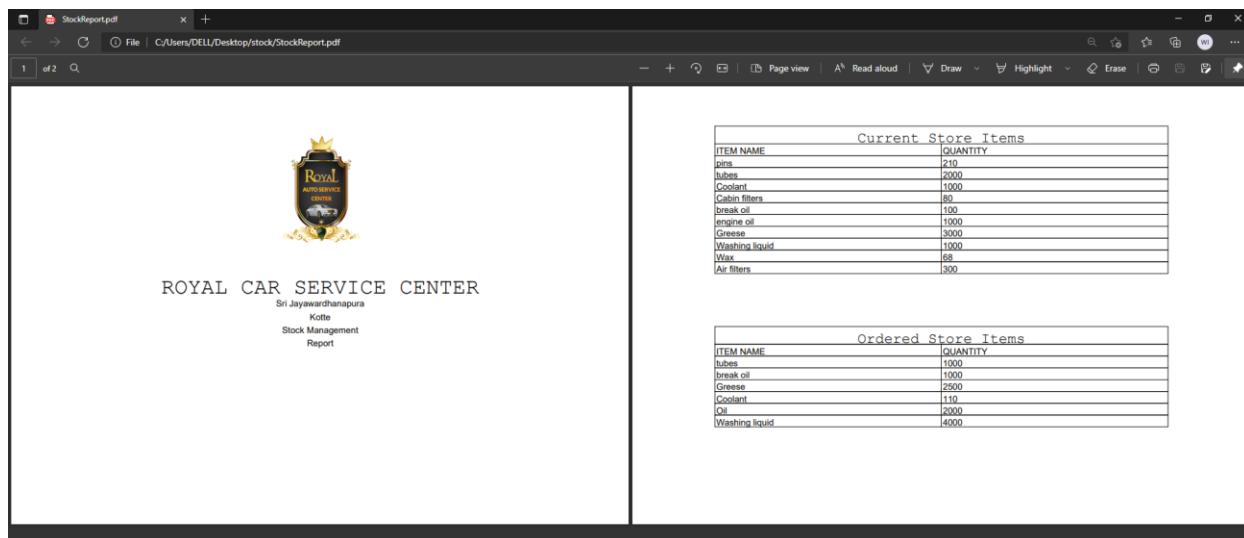


Figure 5.5.2



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

## Supplier management

IT20178154

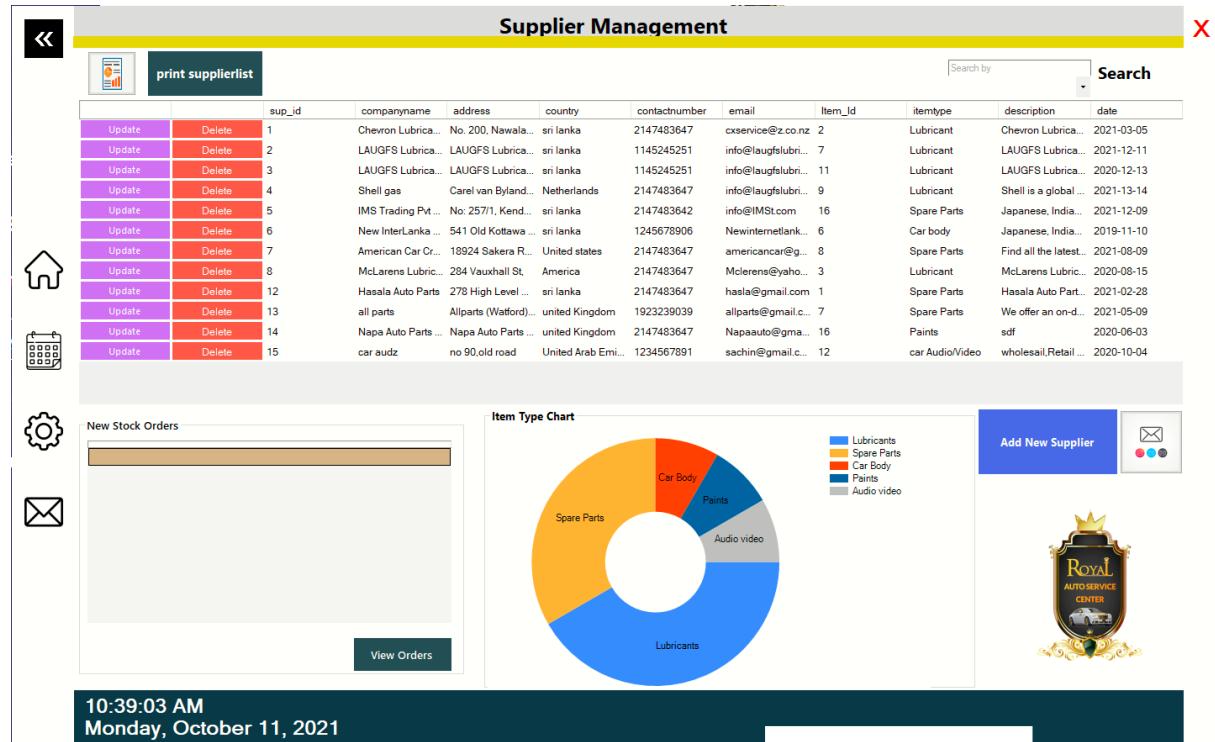


Figure 6.1.0

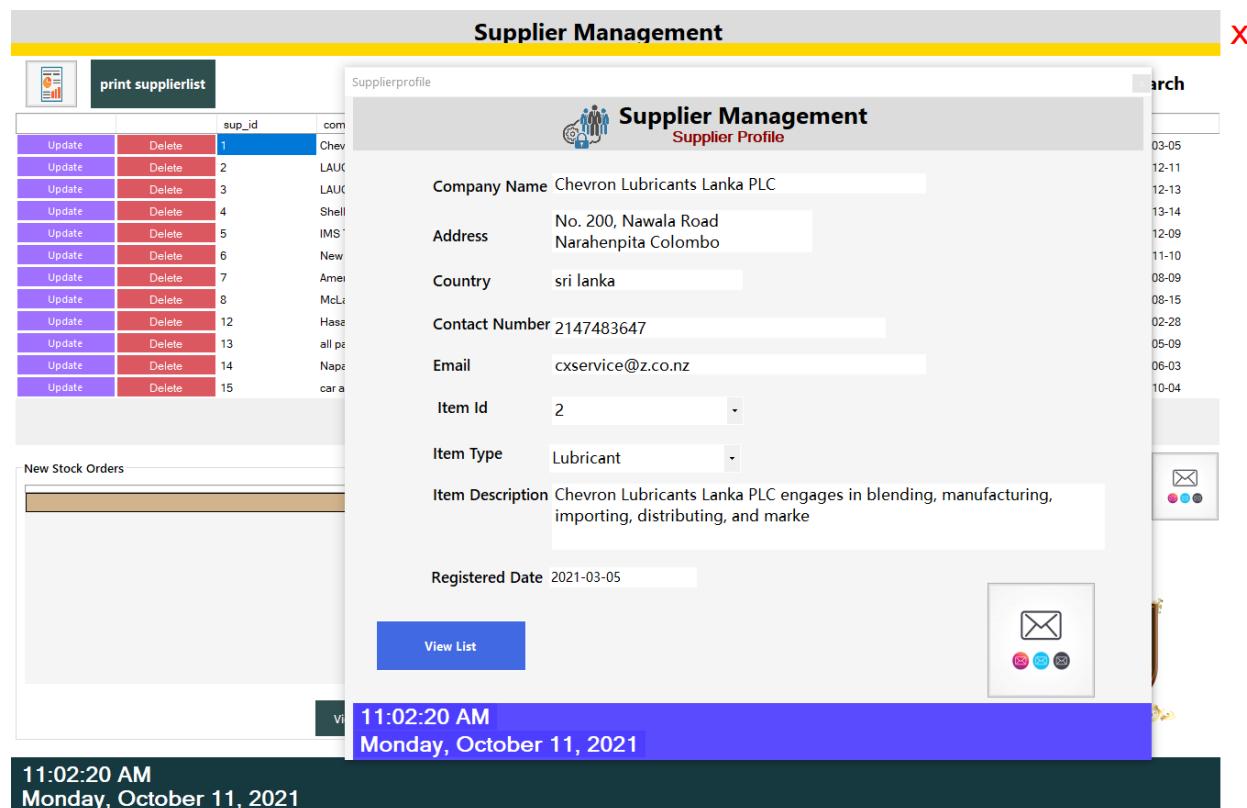


Figure 6.1.1



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

The screenshot shows a "Supplier Management" application interface. On the left, there is a table of supplier data with columns: sup\_id, companyname, address, country, contactnumber, email, item\_id, itemtype, description, and date. A modal window titled "Information" displays the message "Deleted successfully." with an "OK" button. On the right, there is a map from Google Maps showing various locations in Sri Lanka, including hospitals and landmarks. The map includes search bars, COVID-19 info, and buttons for Groceries, Restaurants, Takeout, and Hotels.

Figure 6.1.2

The screenshot shows a "Supplier Management" application interface. On the left, there is a "Registration Form" with fields for Company Name, Address, Country, Contact Number, Email, Item Id, Item Type, Item Description, and Date (Year-Month-Year). An illustration of three people standing around a gear and a padlock is displayed. On the right, there is a map from Google Maps showing various locations in Sri Lanka, including hospitals and landmarks. The map includes search bars, COVID-19 info, and buttons for Groceries, Restaurants, Takeout, and Hotels.

Figure 6.2.0



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

The screenshot shows a registration form for the "Supplier Management" system. The form includes fields for Company Name (caltex), Address (wellington), Country (S), Contact Number, Email, Item Id, Item Type, Item Description, and Date (Year-Month-Date). A validation message "Choose Valid Country." is displayed in a red-bordered box over the Country field. The date field is highlighted in red with the error message "Year-Month-Date". The registration button is blue with white text.

Figure 6.2.1

The screenshot shows the same registration form. The Country field now contains "Saint Lucia". The Contact Number field is filled with "1121313". A validation message "enter 10 Digit Contact Number." is displayed in a red-bordered box over the Contact Number field. The date field is highlighted in red with the error message "Year-Month-Date". The registration button is blue with white text.

Figure 6.2.2



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

The screenshot shows a web-based application titled "Supplier Management". On the left, there is a vertical sidebar with icons for Home, Calendar, Settings, and Email. The main content area is titled "Registration Form" and contains fields for Company Name (caltex), Address (wellington), Country (Saint Lucia), Contact Number (1121313234), Email (caltex), Item Id (empty), Item Type (empty), Item Description (empty), and Date (empty). A watermark of three people standing around a gear and a padlock is overlaid on the form. A red error dialog box is displayed in the center-right, stating "Invalid Email(user@.)." with an "OK" button. Below the form is a blue "Register" button. At the bottom of the page, the time is shown as "5:20:45 PM" and the date as "Tuesday, October 12, 2021". To the right of the form, there is a Google Maps sidebar with various search results and a map of Sri Lanka.

Figure 6.2.3

This screenshot shows the same "Supplier Management" application after a successful registration. The registration form fields are filled with different values: Company Name (caltex), Address (colombo), Country (Denmark), Contact Number (2134567890), Email (sachin@gmail.com), Item Id (2), Item Type (Car body), Item Description (sdd), and Date (2021-03-04). The red error dialog from Figure 6.2.3 has been replaced by a green "Information" dialog box stating "New Supplier Added Successfully." with an "OK" button. The rest of the interface, including the sidebar, form layout, and Google Maps sidebar, remains identical to Figure 6.2.3.

Figure 6.2.4



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

The screenshot shows a web-based application titled "Supplier Management". On the left, there is a vertical sidebar with icons for Home, Calendar, Settings, and Mail. The main content area has a header "Update Supplier" with a "Supplier Management" icon. The form fields include:

- Company Name: Chevron Lubricants Lanka PLC
- Address: No. 200, Nawala Road Narahenpita Colombo
- Country: sri lanka
- Contact Number: 2147483647
- Email: cservice@z.co.nz
- Item Id: 2
- Item Type: Lubricant
- Item Description: Chevron Lubricants Lanka PLC engages in blending, manufacturing, importing, distributing, and market
- Date: 2021-03-05 (Year-Month-Date)

Below the form is a blue "Update" button. At the bottom of the page, the timestamp is 10:59:39 AM and the date is Monday, October 11, 2021.

On the right side of the screen, there is a vertical sidebar with icons for Home, Calendar, Settings, and Mail. The main content area shows a search result for "caltex" on Google Maps. It displays a photo of a gas station, the business name "Caltex", its rating (4.0 stars), and one review. It also shows nearby locations like Kadawatha and 2WSQ+JJ Kadawatha, and options to claim the business or suggest edits.

Figure 6.2.4

The screenshot shows a web-based application titled "Supplier Management". On the left, there is a vertical sidebar with icons for Home, Calendar, Settings, and Mail. The main content area has a header "Update Supplier" with a "Supplier Management" icon. The form fields include:

- Company Name: Napa Auto Parts - Himel Motor
- Address: Napa Auto Parts - Himel Motor Supply
- Country: united Kingdom
- Contact Number: 3374453201
- Email: Napaauto@gmail.com
- Item Id: 16
- Item Type: (empty field)
- Item Description: sdf
- Date: 2020-06-03 (Year-Month-Date)

A red modal dialog box titled "Select Item Type" is displayed over the form, with an "OK" button. Below the form is a blue "Update" button. At the bottom of the page, the timestamp is 6:24:57 PM and the date is Tuesday, October 12, 2021.

On the right side of the screen, there is a vertical sidebar with icons for Home, Calendar, Settings, and Mail. The main content area shows an error message: "Navigation to the webpage was canceled". It also includes a link to "Refresh the page".

Figure 6.3.0



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

Supplier Management

Update Supplier

Company Name	caltex
Address	wellington
Country	Saint Lucia
Contact Number	1121313234
Email	caltex@gmail.com
Item Id	1
Item Type	Paints
Item Description	sss
Date	2021-03-04 Year-Month-Date

Information

Supplier Details Updated successfully.

OK

Reset

Update

5:36:24 PM  
Tuesday, October 12, 2021

Search Google Maps

View COVID-19 info

See case data on the map

Search this area

Groceries, Restaurants, Takeout, Hotels

See more like this

Layers

Map data ©2021 Sri Lanka Terms Privacy Send feedback 100 km

Figure 6.3.1

Supplier Management

print supplierlist

	sup_id	companyname	address	country	contactnumber	email	Item_Id	itemtype	description	date	
Update	Delete	1	Chevron Lubrica...	No. 200, Nawala...	sri lanka	2147483647	cxservice@z.co.nz	2	Lubricant	Chevron Lubrica...	2021-03-05
Update	Delete	2	LAUGFS Lubrica...	LAUGFS Lubrica...	sri lanka	1145245251	info@laugflubri...	7	Lubricant	LAUGFS Lubrica...	2021-12-11
Update	Delete	3	LAUGFS Lubrica...	LAUGFS Lubrica...	sri lanka	1145245251	info@laugflubri...	11	Lubricant	LAUGFS Lubrica...	2020-12-13
Update	Delete	4	Shell gas	Carel van Byland...	Netherlands	2147483647	info@laugflubri...	9	Lubricant	Shell is a global ...	2021-13-14
Update	Delete	5	IMS Trading Pvt...	No: 25/71, Kend...	sri lanka	2147483642	info@IMSt.com	16	Spare Parts	Japanese, India...	2021-12-09
Update	Delete	6	New InterLanka ...	541 Old Kottawa ...	sri lanka	1245678906	Newinterlank...	6	Car body	Japanese, India...	2019-11-10
Update	Delete	7	American Car Cr...	18924 Sakera R...	United states	2147483647	americancar@...	8	Spare Parts	Find all the latest...	2021-08-09
Update	Delete	8	McLarens Lubrica...	284 Vauxhall St.	America	2147483647	Mclerens@yahoo...	3	Lubricant	McLarens Lubrica...	2020-08-15
Update	Delete	12	Hasala Auto Parts	278 High Level...	sri lanka	2147483647	hasala@gmail.com	1	Spare Parts	Hasala Auto Part...	2021-02-28
Update	Delete	13	all parts	Allparts (Watford)...	united Kingdom	1923239039	allparts@gmail.c...	7	Spare Parts	We offer an on-d...	2021-05-09
Update	Delete	14	Napa Auto Parts ...	Napa Auto Parts ...	united Kingdom	2147483647	Napaauto@gma...	16	Paints	sdf	2020-06-03
Update	Delete	15	car audz	no 90,old road	United Arab Emi...	1234567891	sachin@gmail.c...	12	car Audio/Video	wholesail,Retail ...	2020-10-04

New Stock Orders

Order_Id	Item_Id	Item_Nam	Date	Req_Quant
Order 16	16	tubes	2021 / 10 ...	1000
Order 24	25	break oil	2021 / 9 ...	1000
Order 25	28	Greese	2021 / 9 ...	2500
Order 26	17	Coolant	2021 / 9 ...	110
Order 27	29	Washing...	2021 / 9 ...	500
Order 28	26	Oil	2021 / 9 ...	2000

View Orders

Item Type Chart

Legend:

- Lubricants
- Spare Parts
- Car Body
- Paints
- Audio video

Add New Supplier

ROYAL AUTO SERVICE CENTER

10:56:43 AM  
Monday, October 11, 2021

Figure 6.3.2



# **Sri Lanka Institute of Information Technology**

## **Information Technology Project**

### **Year2, Semester 2 - 2021**

The screenshot displays the Supplier Management application interface. On the left, there are several icons: a house (Home), a calendar (New Stock Orders), a gear (Settings), and an envelope (Email). The main area features a grid titled "Supplier List" with columns "Update" and "Delete". The first row has "sup\_id" values 1 through 15. Below this is a section for "New Stock Orders" with a grid showing Order\_Id, Item\_Id, and Item\_Nam. To the right, a red-bordered window titled "Email" contains fields for "Sender Details" (Sender E-mail: instagramsac21@gmail.com, Sender Password: [redacted], Smtp Server: smtp.gmail.com, Port Number: 587, SSL checkbox), "Recipient Details" (Recipient E-mail: [redacted]), and "E-mail Details" (Subject: [redacted], File Attachment: Browse, Html Body checkbox). A large green "Send Mail" button is at the bottom right. The status bar at the bottom shows the time as 11:04:49 AM and the date as Monday, October 11, 2021.

Figure 6.4.0

# Supplier Management

reportgrid

sup_id	companyname	country	email
1	Chevron Lubrican...	sri lanka	cxservice...
2	LAUGFS Lubrica...	sri lanka	info@lau...
3	LAUGFS Lubrica...	sri lanka	info@lau...
4	Shell gas	Netherlands	info@shell...
5	IMS Trading Pvt...	sri lanka	info@im...
6	New InterLanka ...	sri lanka	Newinten...
7	American Car Cott...	United states	american...
8	McLaren's Lubrica...	America	McLaren...

[Generate Supplier Report](#)

Order_Id	Item_Id	Date
16	16	2021 / 1
24	25	2021 / 9
25	28	2021 / 9
26	17	2021 / 9
27	29	2021 / 9
28	26	2021 / 9

[View Orders](#)

email	Item_Id	itemtype	description	date
enice@z.co.nz	2	Lubricant	Chevron Lubrica...	2021-03-05
@laugflubri...	7	Lubricant	LAUGFS Lubrica...	2021-12-11
@laugflubri...	11	Lubricant	LAUGFS Lubrica...	2020-12-13
@laugflubri...	9	Lubricant	Shell is a global ...	2021-13-14
@IMSt.com	16	Spare Parts	Japanese, India...	2021-12-09
winternetlank...	6	Car body	Japanese, India...	2019-11-10
ericancar@g...	8	Spare Parts	Find all the latest...	2021-08-09
erens@yahoo...	3	Lubricant	McLaren's Lubrica...	2020-08-15
la@gmail.com	1	Spare Parts	Hasala Auto Part...	2021-02-28
arts@gmail.c...	7	Spare Parts	We offer an on-d...	2021-05-09
aaauto@gma...	16	Paints	sdf	2020-06-03
hin@gmail.c...	12	car Audio/Video	wholesail,Retail...	2020-10-04

[Add New Supplier](#)



Figure 6.6.0



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

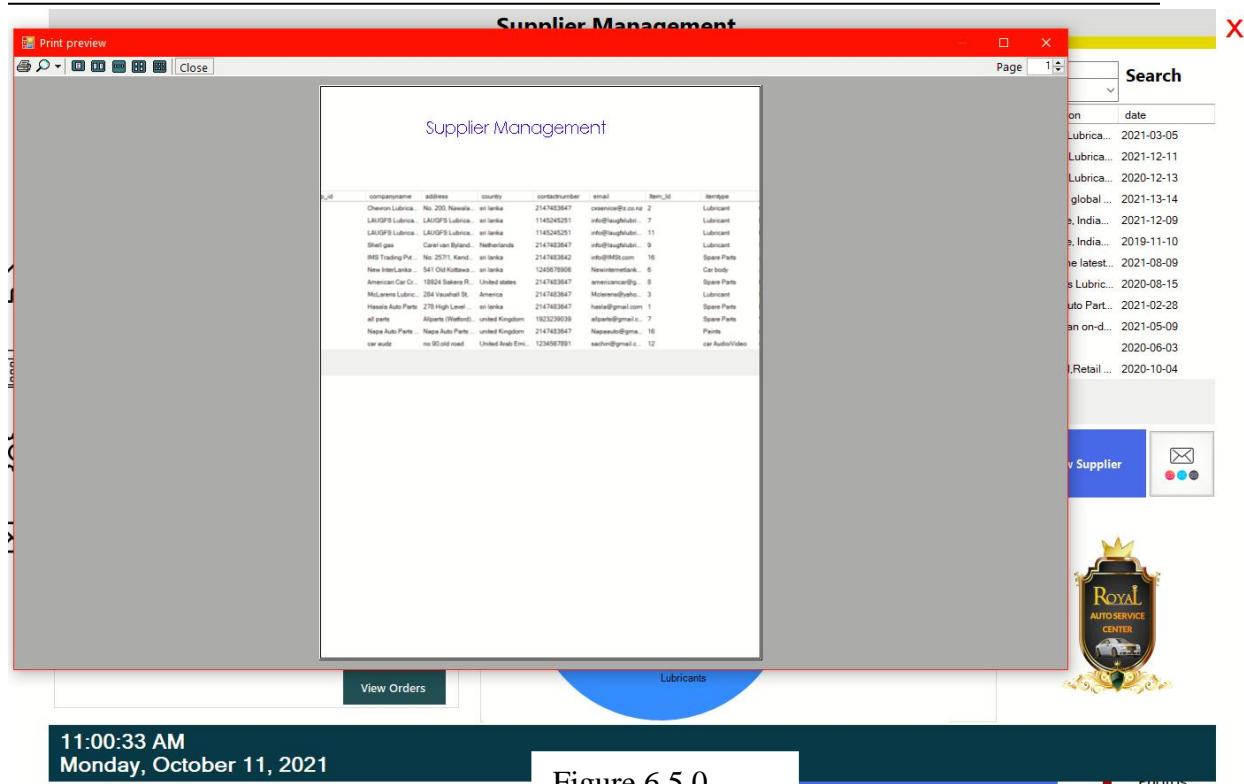


Figure 6.5.0

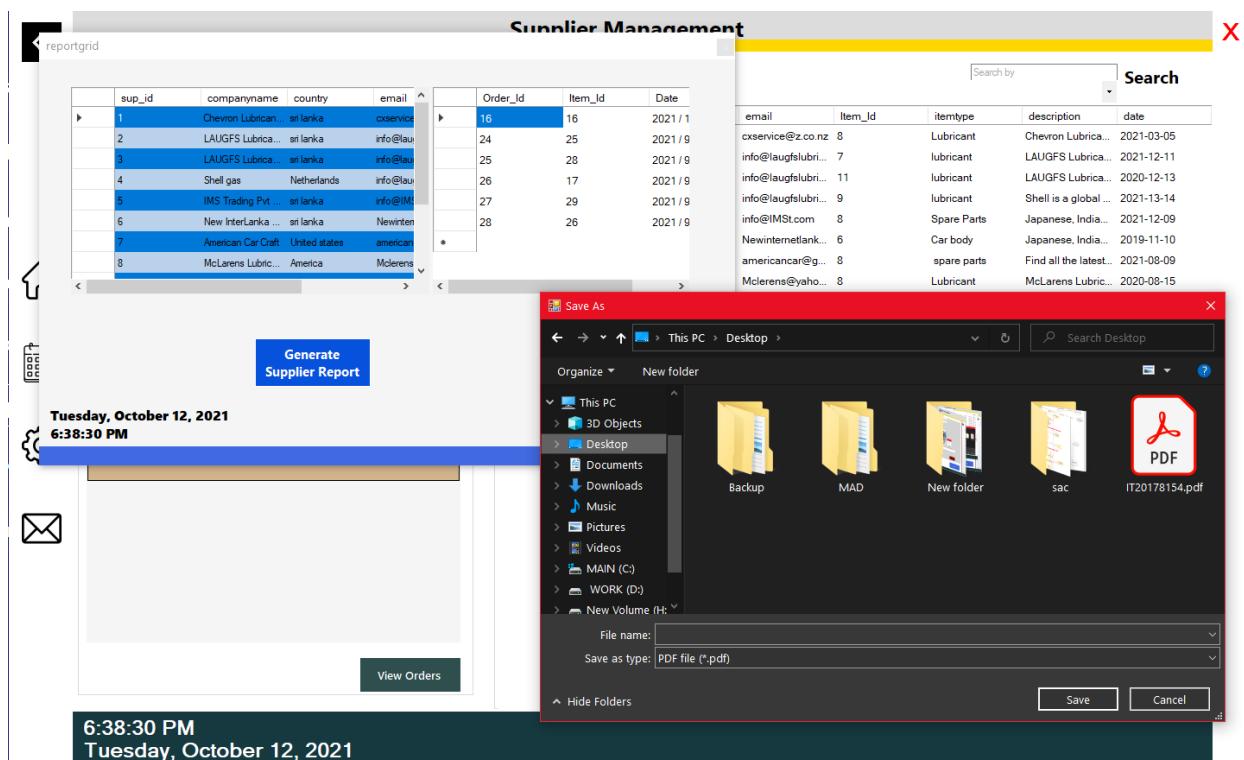


Figure 6.6.1



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

## Incoming Finance Management

IT20182700

### Bill Management

X

[View Income Table](#) [View Price Table](#)

Service	Quantity	Price
Service type 1	0	Rs 0.00
Service type 2	0	Rs 0.00
Service type 3	0	Rs 0.00
Service type 4	0	Rs 0.00
Service type 5	0	Rs 0.00
Service type 6	0	Rs 0.00
Service type 7	0	Rs 0.00
Service type 8	0	Rs 0.00

**Services :**  **Total price :**  Rs 0.00  
Select a Payment Method   Rs 0.00

5:06:11 PM  
Tuesday, October 12, 2021

Figure 7.1.1

### Bill Management

X

345678934V [Get Customer](#) Umeshi J.H.I KJHG3 Yes [Current Date](#) 12 [View Income Table](#) [View Price Table](#)

Service	Quantity	Price
Service type 1	1	Rs 6000
Service type 2	0	Rs 0.00
Service type 3	0	Rs 0.00
Service type 4	0	Rs 0.00
Service type 5	2	Rs 6000
Service type 6	0	Rs 0.00
Service type 7	0	Rs 0.00
Service type 8	0	Rs 0.00

**Services :**  3 **Total price :**  Rs 12000  
 **With discount :**  Rs 6000

11:57:32 AM  
Tuesday, October 12, 2021

12.10.2021  
ROYAL CAR SERVICE CENTER  
Sri Jayawardhanapura Kotte

Customer ID : 345678934V  
Customer Name : Umeshi J.H.I  
Payment Method : Cash

Service type 1	1	Rs 6000
Service type 2	0	Rs 0.00
Service type 3	0	Rs 0.00
Service type 4	0	Rs 0.00
Service type 5	2	Rs 6000
Service type 6	0	Rs 0.00
Service type 7	0	Rs 0.00
Service type 8	0	Rs 0.00

Figure 7.1.2



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

The screenshot shows the Bill Management application interface. On the left, there's a sidebar with icons for Home, Calendar, Settings, and Mail. The main area has fields for Customer ID (345678934V), Customer Name (Umeshi J.H.I.), and a dropdown for Payment Method (Cash). A table lists service types with quantities and prices. Buttons at the bottom include Total, Reset, Save, Receipt, and Print. A message bar at the bottom shows the date and time: 12:01:06 PM, Tuesday, October 12, 2021.

Print preview window:

ROYAL CAR SERVICE CENTER Sri Jayawardhanaura Kotte		
Customer ID :	345678934V	
Customer Name :	Umeshi J.H.I.	
Payment Method :	Cash	
Service type 1	1	Rs 6000
Service type 2	0	Rs 0.00
Service type 3	0	Rs 0.00
Service type 4	0	Rs 0.00
Service type 5	2	Rs 6000
Service type 6	0	Rs 0.00
Service type 7	0	Rs 0.00
Service type 8	0	Rs 0.00
TOTAL QUANTITY :		3
TOTAL PRICE :		Rs 12000
TOTAL WITH DISCOUNT :		Rs 6000

Receipt window:

ROYAL CAR SERVICE CENTER Sri Jayawardhanaura Kotte		
Customer ID :	345678934V	
Customer Name :	Umeshi J.H.I.	
Payment Method :	Cash	
Service type 1	1	Rs 6000
Service type 2	0	Rs 0.00
Service type 3	0	Rs 0.00
Service type 4	0	Rs 0.00
Service type 5	2	Rs 6000
Service type 6	0	Rs 0.00
Service type 7	0	Rs 0.00
Service type 8	0	Rs 0.00

Figure 7.1.3

The screenshot shows the Bill Management application interface. It's similar to Figure 7.1.3 but includes a modal dialog box in the center saying "Added successfully." The main area has fields for Customer ID (345678934V), Customer Name (Umeshi J.H.I.), and a dropdown for Payment Method (Cash). A table lists service types with quantities and prices. Buttons at the bottom include Total, Reset, Save, Receipt, and Print. A message bar at the bottom shows the date and time: 12:17:37 PM, Tuesday, October 12, 2021.

Receipt window:

ROYAL CAR SERVICE CENTER Sri Jayawardhanaura Kotte		
Customer ID :	345678934V	
Customer Name :	Umeshi J.H.I.	
Payment Method :	Cash	
Service type 1	1	Rs 6000
Service type 2	0	Rs 0.00
Service type 3	0	Rs 0.00
Service type 4	0	Rs 0.00
Service type 5	2	Rs 6000
Service type 6	0	Rs 0.00
Service type 7	0	Rs 0.00
Service type 8	0	Rs 0.00

Figure 7.1.4



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

## Bill Management

X

[View Income Table](#) [View Price Table](#)

Get Customer Current Date

**Invalid customer details**

Service	Quantity	Price
Service type 1	0	Rs 0.00
Service type 2	0	Rs 0.00
Service type 3	0	Rs 0.00
Service type 4	0	Rs 0.00
Service type 5	0	Rs 0.00
Service type 6	0	Rs 0.00
Service type 7	0	Rs 0.00
Service type 8	0	Rs 0.00

**Invalid Date**

Receipt

Services : Total price : Rs 0.00

Select a Payment Method With discount : Rs 0.00

**Invalid payment method** **Invalid price**

12:12:44 PM Tuesday, October 12, 2021

Total Reset Save Receipt Print

Figure 7.1.5.1

X

[View Income Table](#) [View Price Table](#)

ebxbhbhsbx Get Customer Current Date 12 - October 2021

**Customer not found!**

Service Quantity Price

Service	Quantity	Price
Service type 1	0	Rs 0.00
Service type 2	0	Rs 0.00
Service type 3	0	Rs 0.00
Service type 4	0	Rs 0.00
Service type 5	0	Rs 0.00
Service type 6	0	Rs 0.00
Service type 7	0	Rs 0.00
Service type 8	0	Rs 0.00

Receipt

Services : Total price : Rs 0.00

Select a Payment Method With discount : Rs 0.00

5:07:02 PM Tuesday, October 12, 2021

Total Reset Save Receipt Print

Figure 7.1.5.2



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

## Price Table

X

### Edit Price

Save

#	Service Type	Price	Select
1	Service type 1	6000	Select
2	Service type 2	13000	Select
3	Service type 3	15000	Select
4	Service type 4	19000	Select
5	Service type 5	3000	Select
6	Service type 6	9000	Select
7	Service type 7	11000	Select
8	Service type 8	12000	Select

Figure 7.2.1

## Price Table

X

### Edit Price

Service type 4

19000

Save

#	Service Type	Price	Select
1	Service type 1	6000	Select
2	Service type 2	13000	Select
3	Service type 3	15000	Select
4	Service type 4	19000	Select
5	Service type 5	3000	Select
6	Service type 6	9000	Select
7	Service type 7	11000	Select
8	Service type 8	12000	Select

Figure 7.2.2



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

## Price Table

### Edit Price

Service type 4

1000

Save

#	Service Type	Price	Select
1	Service type 1	6000	Select
2	Service type 2	13000	Select
3	Service type 3	15000	Select
4	Service type 4	19000	Select
5	Service type 5	3000	Select
6	Service type 6	9000	Select
7	Service type 7	11000	Select
8	Service type 8	12000	Select

Figure 7.2.3

## Price Table

### Edit Price

#	Service Type	Price	Select
5	Service type 5	3000	Select

Save

Figure 7.2.4



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

Edit Price

Get the data from the table

Service type 3

This field can not be empty!

Save

Figure 7.2.5.1

Edit Price

Service type 3

ABCDEFG

Save

#	Service Type	Price
1	Service type 1	6000
2	Service type 2	13000
3	Service type 3	-200
4	Service type 4	1000
5	Service type 5	3000
6	Service type 6	9000
7	Service type 7	11000
8	Service type 8	12000

Do not enter characters or any other symbols to the price fields!

OK

Edit Price

Service type 3

-1000

Save

#	Service Type	Price
1	Service type 1	6000
2	Service type 2	13000
3	Service type 3	-1000
4	Service type 4	1000
5	Service type 5	3000
6	Service type 6	9000
7	Service type 7	11000
8	Service type 8	12000

Price can not be '0' or below!

OK

Figure 7.2.5.2



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

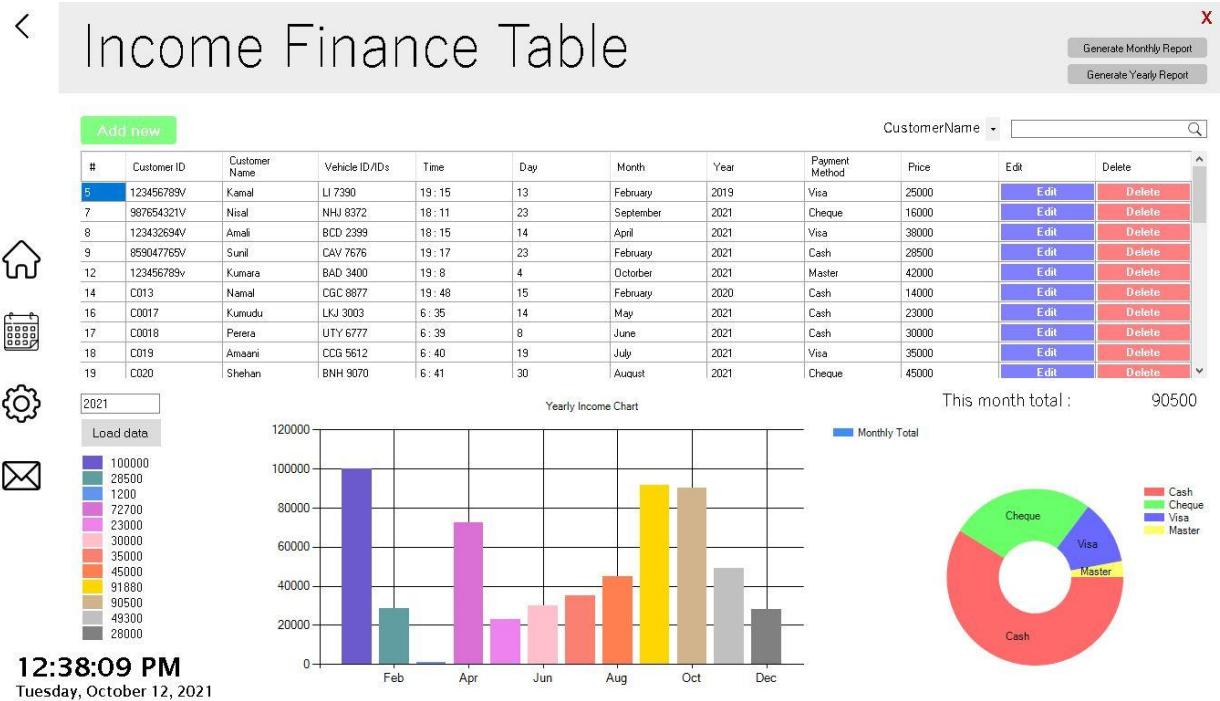


Figure 7.3.1

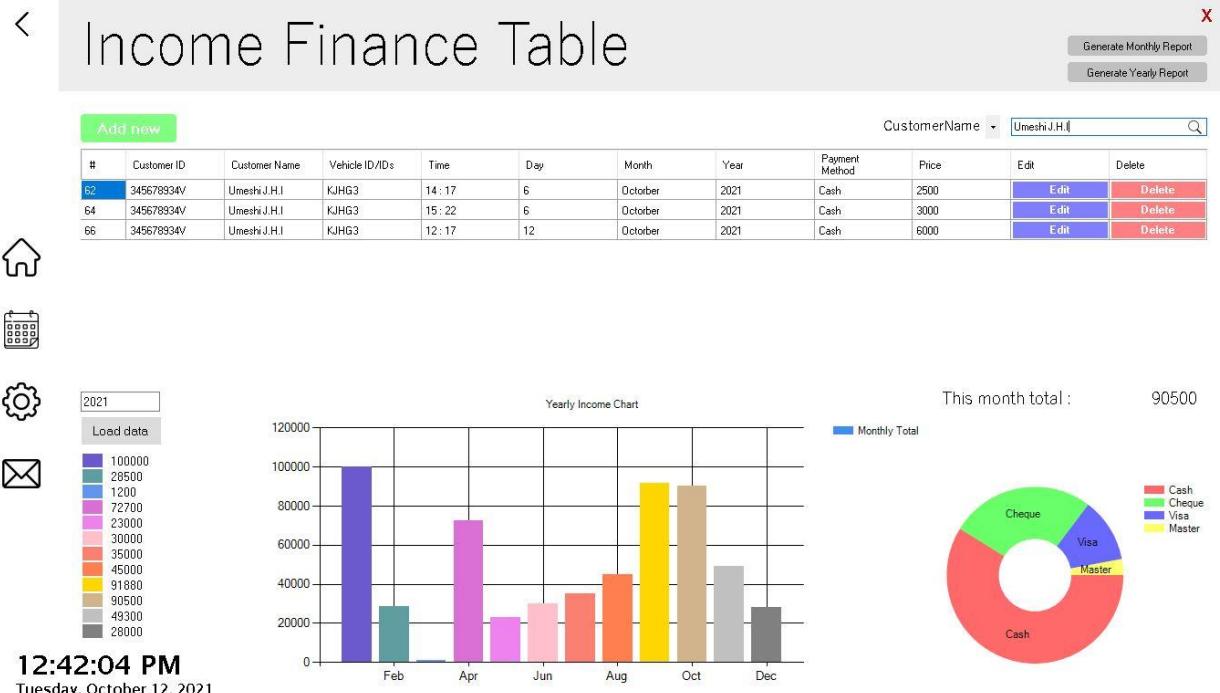


Figure 7.3.2



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

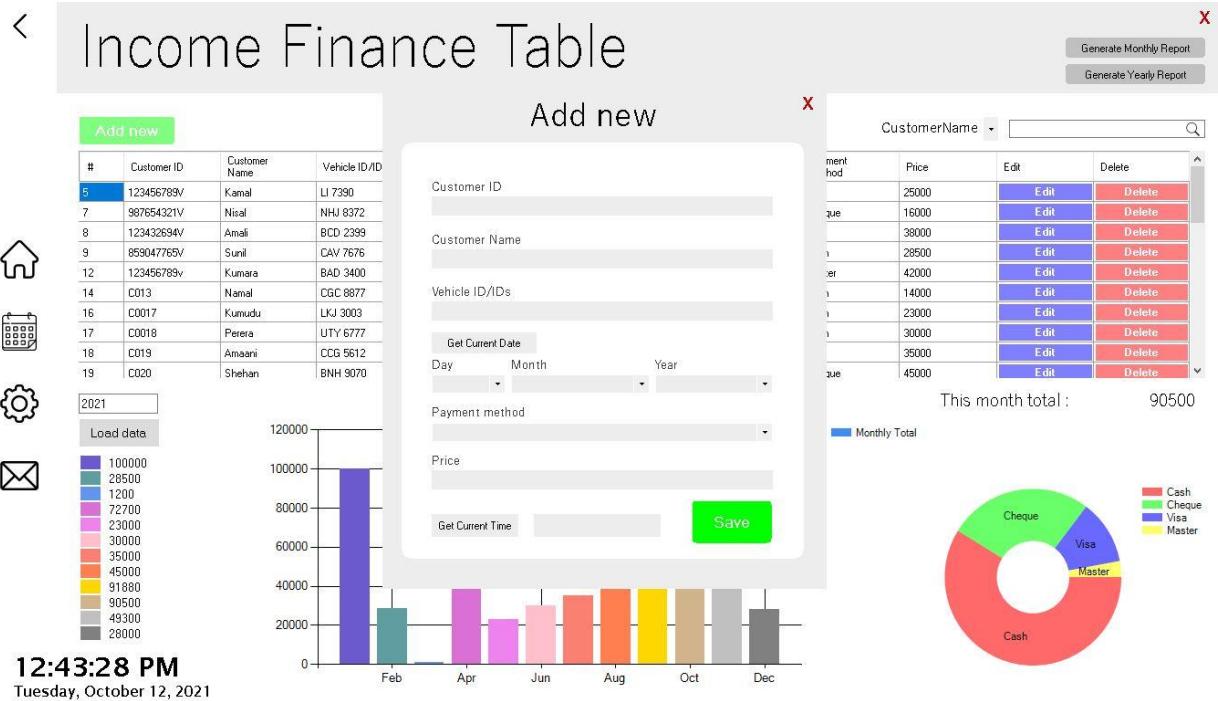


Figure 7.3.3

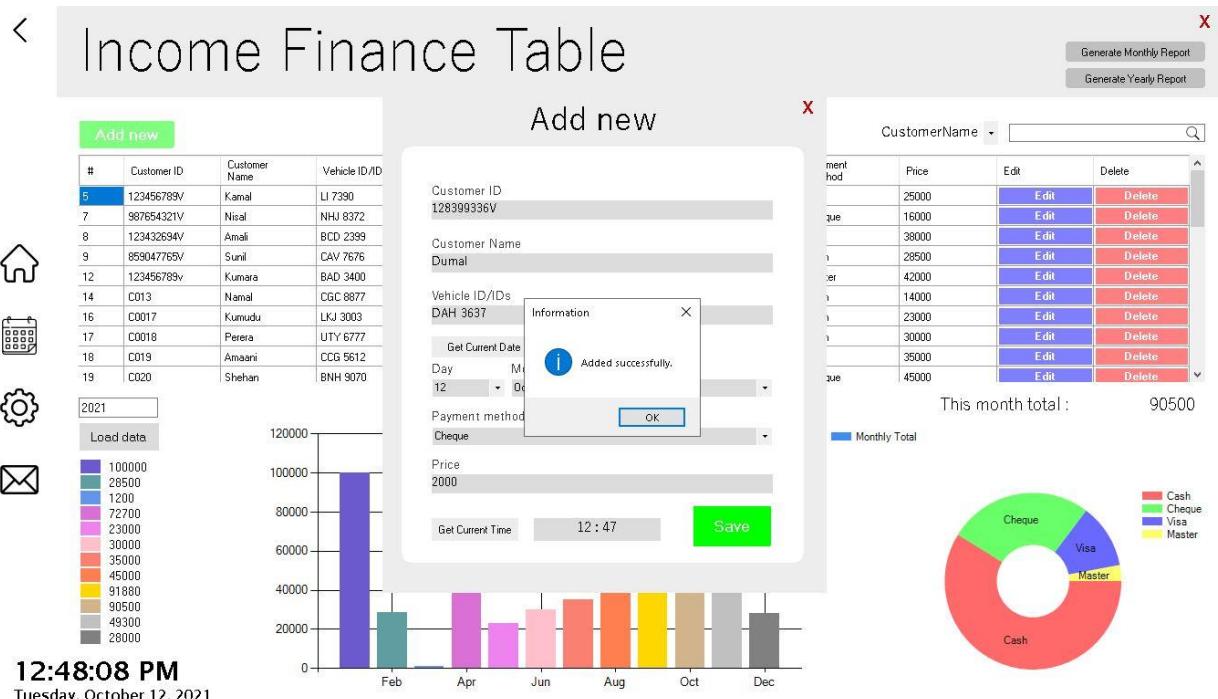


Figure 7.3.4



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

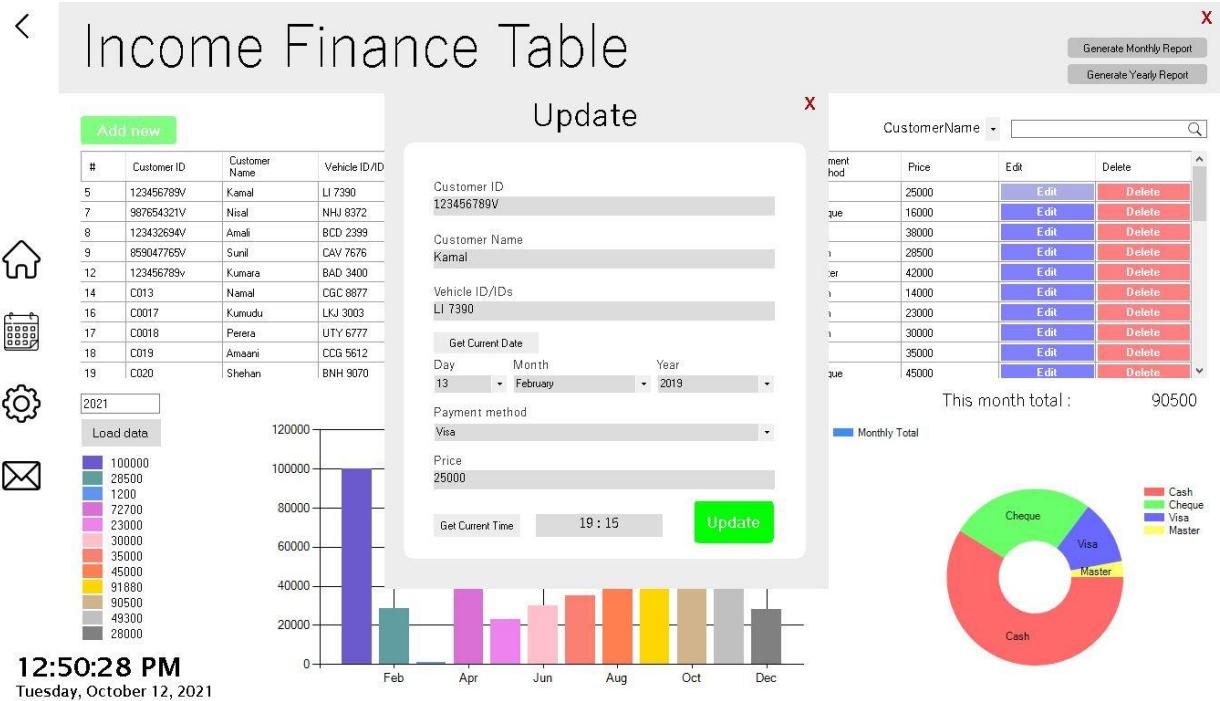


Figure 7.3.5

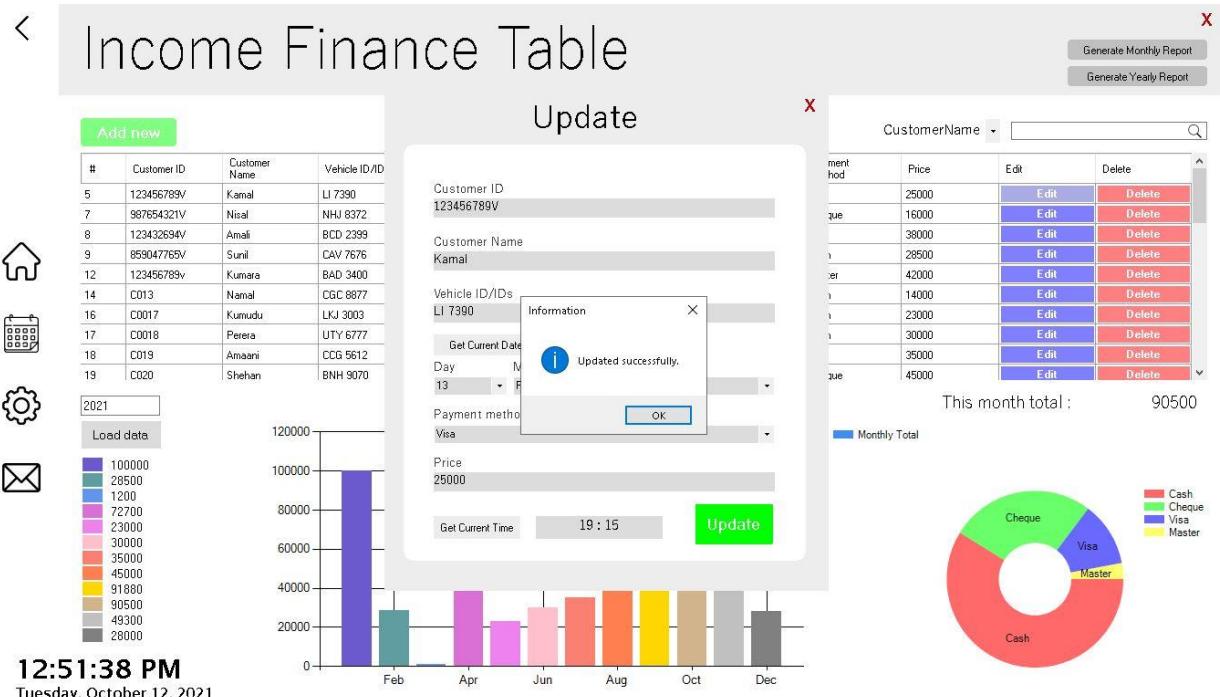


Figure 7.3.6



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

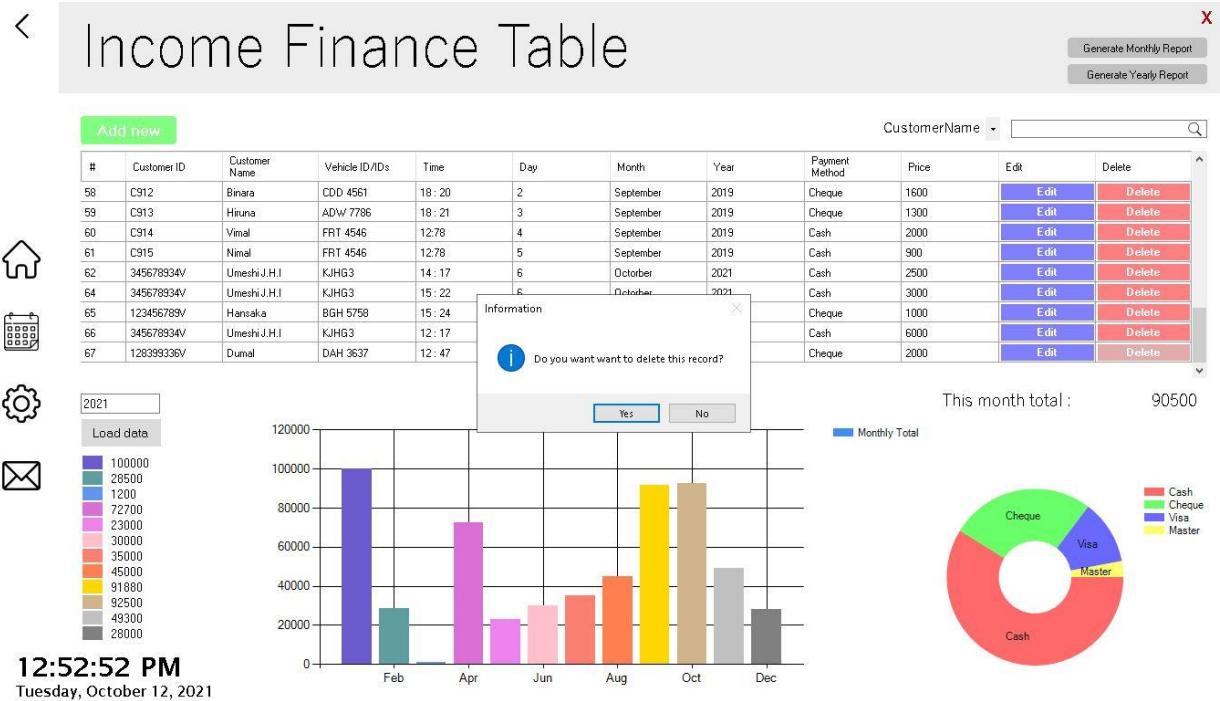


Figure 7.3.7

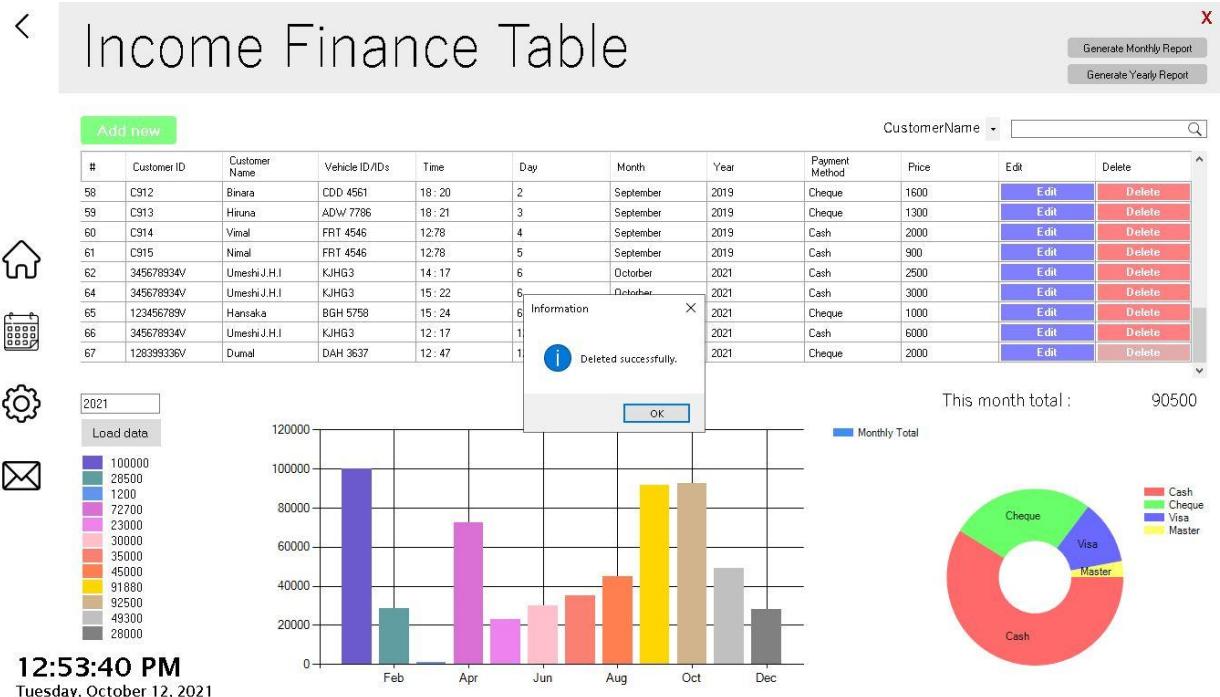


Figure 7.3.8



**Sri Lanka Institute of Information Technology**  
**Information Technology Project**  
**Year2, Semester 2 - 2021**

Add new X

Form is empty!!!!

Customer ID			
Customer Name			
Vehicle ID/IDs			
Get Current Date			
Day	Month	Year	
Payment method			
Price			
Get Current Time			Save

Figure 7.3.9.1

Add new X

Customer ID 123567891			
Customer Name			
Vehicle ID/IDs			
Get Current Date			
Day	Month	Year	
Payment method			
Price			
Get Current Time			Save

Add new X

Customer ID 123v667891			
Customer Name			
Vehicle ID/IDs			
Get Current Date			
Day	Month	Year	
Payment method			
Price			
Get Current Time			Save

Figure 7.3.9.2



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

### Add new

Customer ID  
456729485V

Customer Name  
Nimal

Vehicle ID/IDs  
BHC

Day  
12

Pay  
Cheque

Price  
fe3474df3t78f3

Get Current Time

Save

### Add new

Customer ID  
987462847V

Customer Name  
Asanka

Vehicle ID/IDs  
FSG 4738

Get Current Date

Day  
12 M  
0

Price can not be '0' or below!

Payment method  
Cash

Price  
+15000

Get Current Time

Save

Figure 7.3.9.3

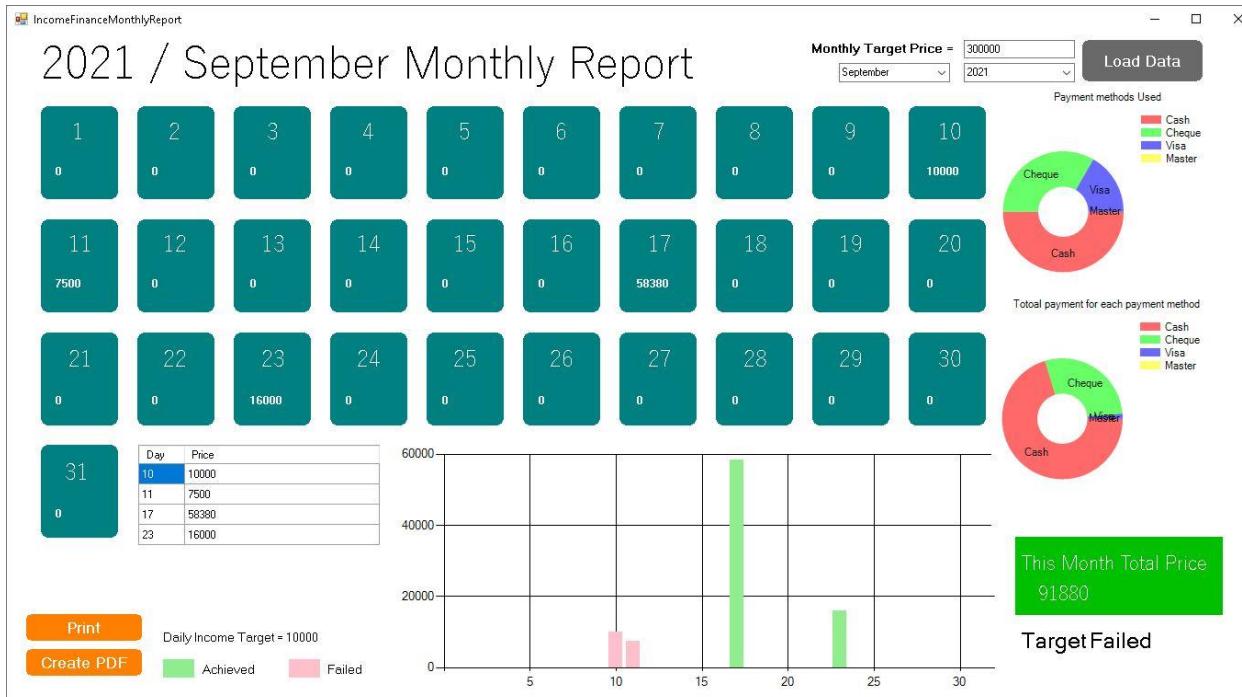


Figure 7.4.1



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

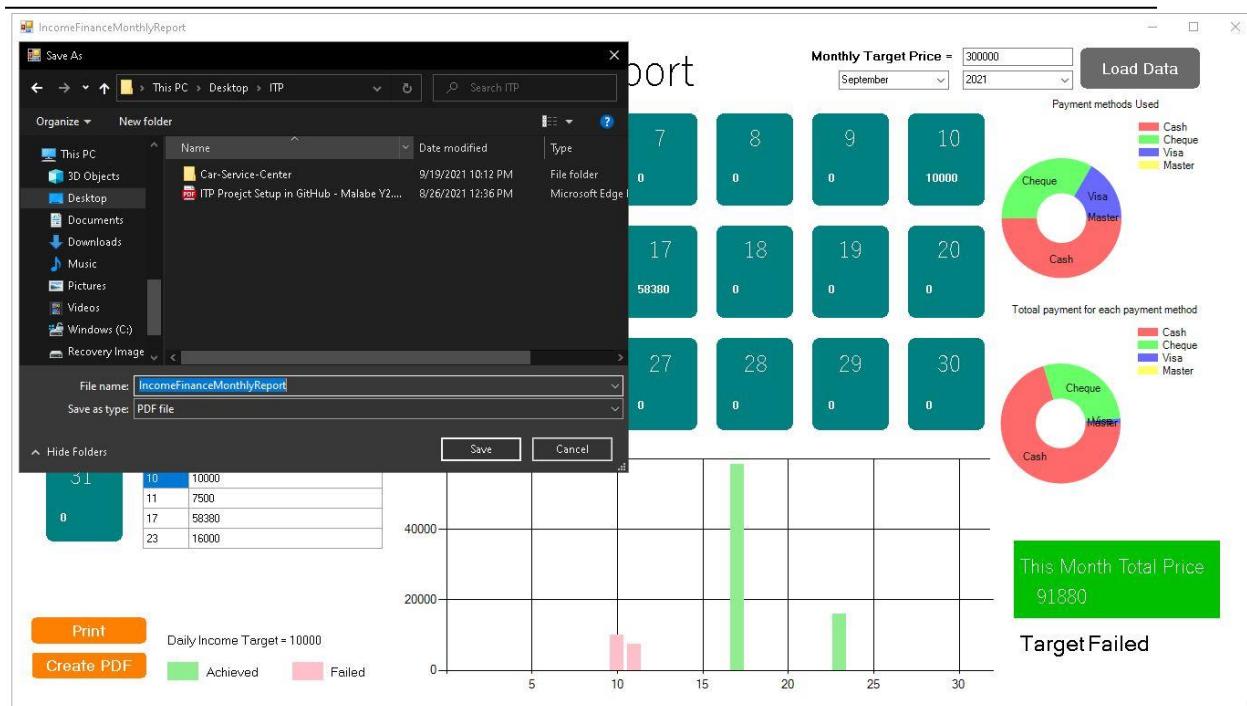


Figure 7.4.2

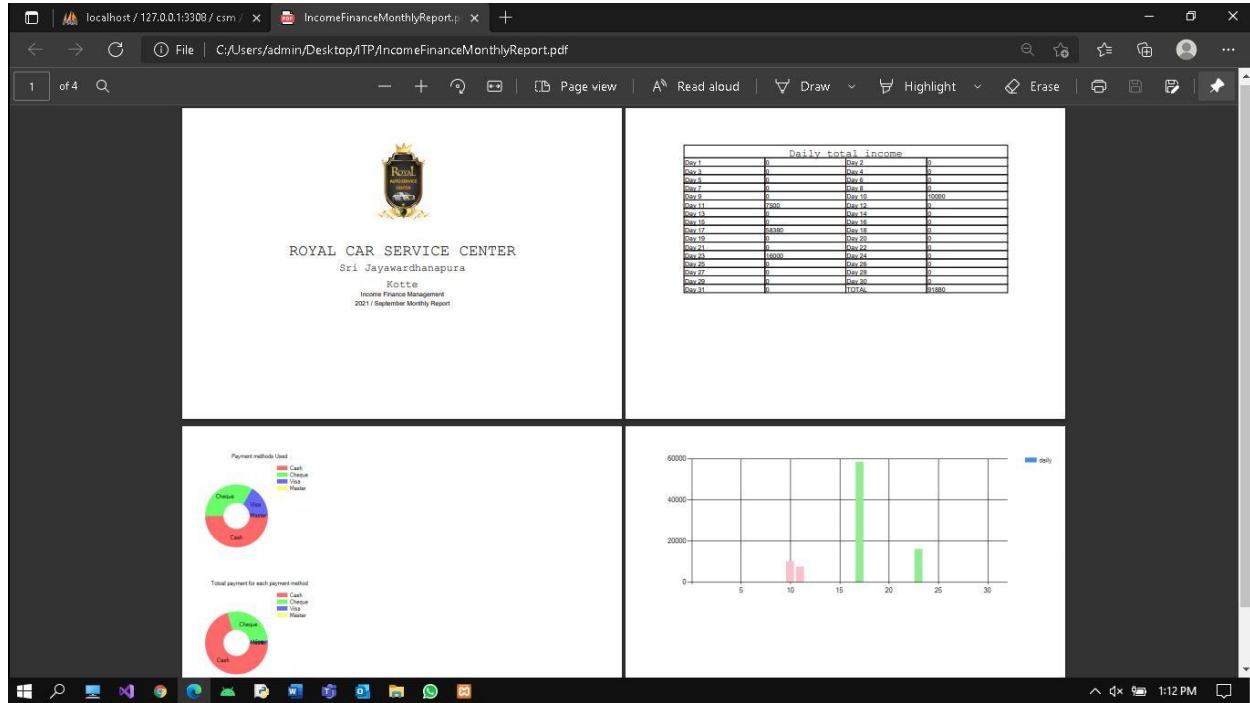


Figure 7.4.3



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

## Outgoing Management

IT20226114



Outgoing Finance Manager



EmployeeSalary Salary

Outgoing

7:59:08 AM  
Wednesday, October 13, 2021

Figure 8.1



Employee Salary Management



Add New

Employee Salary Chart

Generate monthly report

Add Salary



#	Year	Month	EmployeeSalar	EmployeeID	EmployeeEmail	Ot	ContactNumbe	Basic	Attendance	CalculatedSala	EmployeeName	Delete
30	2021	January	A001S	A001	jewwaka9@gmail...	4200	0756123458	20000	25	24200	Jewwaka Perera	<a href="#">Delete</a>
31	2021	February	A001F	A001	jewwaka9@gmail...	4200	0756123458	20000	25	24200	Jewwaka Perera	<a href="#">Delete</a>
32	2021	March	A001M	A001	jewwaka9@gmail...	4200	0756123458	20000	25	24200	Jewwaka Perera	<a href="#">Delete</a>
33	2021	April	A001A	A001	jewwaka9@gmail...	4200	0756123458	20000	25	24200	Jewwaka Perera	<a href="#">Delete</a>
34	2021	May	A001M	A001	jewwaka9@gmail...	4200	0756123458	20000	25	24200	Jewwaka Perera	<a href="#">Delete</a>
35	2021	January	A003J	A003	raskika06@gmail...	2800	0756123458	25000	27	27800	Rasika Ekana...	<a href="#">Delete</a>
36	2021	February	A003F	A003	raskika06@gmail...	2800	0756123458	25000	27	27800	Rasika Ekana...	<a href="#">Delete</a>
37	2021	March	A003M	A003	raskika06@gmail...	2800	0756123458	25000	27	27800	Rasika Ekana...	<a href="#">Delete</a>
38	2020	January	A0032020J	A003	raskika06@gmail...	2800	0756123458	24000	27	27800	Rasika Ekana...	<a href="#">Delete</a>
39	2020	February	A0032020F	A003	raskika06@gmail...	2800	0756123458	24000	27	27800	Rasika Ekana...	<a href="#">Delete</a>
40	2020	March	A0032020M	A003	raskika06@gmail...	2800	0756123458	24000	27	27800	Rasika Ekana...	<a href="#">Delete</a>
41	2020	September	A0032020S	A003	raskika06@gmail...	2800	0756123458	24000	27	27800	Rasika Ekana...	<a href="#">Delete</a>
42	2020	December	A0032020D	A003	raskika06@gmail...	2800	0756123458	24000	27	27800	Rasika Ekana...	<a href="#">Delete</a>
44	2021	January	A0052021J	A005	malish@gmail...	4900	0758452154	20000	30	24900	Malishi Warna...	<a href="#">Delete</a>
45	2021	February	A0052021F	A005	malish@gmail...	4900	0758452154	20000	30	24900	Malishi Warna...	<a href="#">Delete</a>
47	2021	March	A0052021M	A005	malish@gmail...	4900	0758452154	20000	30	24900	Malishi Warna...	<a href="#">Delete</a>
48	2021	September	A0052021S	A005	malish@gmail...	4900	0758452154	20000	30	24900	Malishi Warna...	<a href="#">Delete</a>
49	2021	November	A0052021N	A005	malish@gmail...	4900	0758452154	20000	30	24900	Malishi Warna...	<a href="#">Delete</a>
50	2021	December	A0052021D	A005	malish@gmail...	4900	0758452154	20000	30	24900	Malishi Warna...	<a href="#">Delete</a>
51	2021	April	A0202021A	A020	sampath@gmail...	5500	0716384936	27000	23	32500	Sampath Raja...	<a href="#">Delete</a>
52	2021	September	A0202021S	A020	sampath@gmail...	5500	0716384936	27000	23	32500	Sampath Raja...	<a href="#">Delete</a>
53	2021	January	A0202021J	A020	sampath@gmail...	5500	0716384936	60000	23	65500	Sampath Raja...	<a href="#">Delete</a>
54	2021	February	A0202021F	A020	sampath@gmail...	5500	0716384936	60000	23	65500	Sampath Raja...	<a href="#">Delete</a>
56	2021	November	A0202021N	A020	sampath@gmail...	5500	0716384936	60000	23	65500	Sampath Raja...	<a href="#">Delete</a>

Time  
Date

Figure 8.1.1



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

Add EmployeeSalary Salary

Year	<input type="text"/>
Month	<input type="text"/>
Employee Salary ID	<input type="text"/>
Employee Name	<input type="text"/>
Employee ID	<input type="text"/>
Employee Email	<input type="text"/>
OT	<input type="text"/>
Contact Number	<input type="text"/>
Basic	<input type="text"/>
Attendance	<input type="text"/>
<b>Calculate Salary</b>	
Calculated Salary	<input type="text"/>
<b>Save</b>	

Figure 8.1.2

Add EmployeeSalary Salary

Year	<input type="text" value="2021"/>
Month	<input type="text" value="March"/>
Employee Salary ID	<input type="text" value="24452"/>
Employee Name	<input type="text" value="ravidu"/>
Employee ID	<input type="text" value="000132"/>
Employee Email	<input type="text" value="ravidu@slit.ac.lk"/>
OT	<input type="text"/>
Contact Number	<input type="text"/>
Basic	<input type="text"/>
Attendance	<input type="text"/>
<b>Calculate Salary</b>	
Calculated Salary	<input type="text"/>
<b>Save</b>	

Invalid Email.

OK

Figure 8.1.2.1

Add EmployeeSalary Salary

Year	<input type="text" value="2021"/>
Month	<input type="text" value="March"/>
Employee Salary ID	<input type="text" value="24452"/>
Employee Name	<input type="text" value="ravidu"/>
Employee ID	<input type="text" value="000132"/>
Employee Email	<input type="text"/>
OT	<input type="text"/>
Contact Number	<input type="text"/>
Basic	<input type="text" value="20000"/>
Attendance	<input type="text" value="25"/>
<b>Calculate Salary</b>	
Calculated Salary	<input type="text"/>
<b>Save</b>	

Please Input 10 digit contact number (>10).

OK

Figure 8.1.2.2

Add EmployeeSalary Salary

Year	<input type="text" value="2021"/>
Month	<input type="text" value="March"/>
Employee Salary ID	<input type="text" value="24452"/>
Employee Name	<input type="text" value="ravidu"/>
Employee ID	<input type="text" value="000132"/>
Employee Email	<input type="text"/>
OT	<input type="text"/>
Contact Number	<input type="text"/>
Basic	<input type="text" value="20000"/>
Attendance	<input type="text" value="25"/>
<b>Calculate Salary</b>	
Calculated Salary	<input type="text"/>
<b>Save</b>	

EmployeeSalary Calculated Salary is Empty (>3).

OK

Figure 8.1.2.3



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

Add EmployeeSalary Salary

Year	2021
Month	March
Employee Salary ID	24452
Employee Name	ravidu
Employee ID	A001M
Employee Email	jeewaka95@gmail.com
OT	
Contact Number	
Basic	20000
Attendance	25
<b>Calculate Salary</b>	
Calculated Salary	22550

Save

Update Employee Salary

Year	2021
Month	March
Employee Salary ID	A001M
Employee Name	Jeewaka Perera
Employee ID	A001
Employee Email	jeewaka95@gmail.com
OT	4200
Contact Number	0756123458
Basic	20000
Attendance	25
<b>Calculate Salary</b>	
Calculated Salary	24200

Update

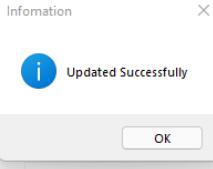


Figure 8.1.2.5

Figure 8.1.3.1

Add EmployeeSalary Salary

Update Employee Salary

Year	2021
Month	March
Employee Salary ID	A001M
Employee Name	Jeewaka Perera
Employee ID	A001
Employee Email	jeewaka95@gmail.com
OT	
Contact Number	
Basic	20000
Attendance	25
<b>Calculate Salary</b>	
Calculated Salary	24200

Update

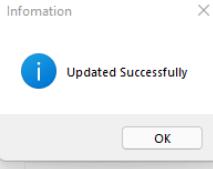


Figure 8.1.3.2



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

Employee Salary Management

#	Year	Month	EmployeeSalary	EmployeeID	EmployeeEmail	Ot	ContactNumber	Basic	Attendance	CalculatedSalary	EmployeeName
30	2021	January	A001S	A001	jewwaka95@gmail.com	4200	0756123458	20000	25	24200	Jeewaka Perera
31	2021	February	A001F	A001	jewwaka95@gmail.com	4200	0756123458	20000	25	24200	Jeewaka Perera
32	2021	March	A001M	A001	jewwaka95@gmail.com	4200	0756123458	20000	25	24200	Jeewaka Perera
33	2021	April	A001A	A001	jewwaka95@gmail.com	4200	0756123458	20000	25	24200	Jeewaka Perera
34	2021	May	A001Ma	A001	jewwaka95@gmail.com	4200	0756123458	20000	25	24200	Jeewaka Perera
35	2021	January	A003J	A003	Rasika Ekana...	25000	0756123458	25000	27	27800	Rasika Ekana...
36	2021	February	A003F	A003	Rasika Ekana...	25000	0756123458	25000	27	27800	Rasika Ekana...
37	2021	March	A003M	A003	Rasika Ekana...	25000	0756123458	25000	27	27800	Rasika Ekana...
38	2020	January	A0032020J	A003	Rasika Ekana...	24000	0756123458	24000	27	27800	Rasika Ekana...
39	2020	February	A0032020F	A003	Rasika Ekana...	24000	0756123458	24000	27	27800	Rasika Ekana...
40	2020	March	A0032020M	A003	Rasika Ekana...	24000	0756123458	24000	27	27800	Rasika Ekana...
41	2020	September	A0032020S	A003	Rasika Ekana...	24000	0756123458	24000	27	27800	Rasika Ekana...
42	2020	December	A0032020D	A003	Rasika Ekana...	24000	0756123458	24000	27	27800	Rasika Ekana...
44	2021	January	A0052021J	A005	Rasika Ekana...	24000	0756123458	24000	30	24900	Rasika Ekana...
45	2021	February	A0052021F	A005	Rasika Ekana...	24000	0756123458	24000	30	24900	Rasika Ekana...
47	2021	March	A0052021M	A005	Rasika Ekana...	24000	0756123458	24000	30	24900	Rasika Ekana...
48	2021	September	A0052021S	A005	Rasika Ekana...	24000	0756123458	24000	30	24900	Rasika Ekana...
49	2021	November	A0052021N	A005	Rasika Ekana...	24000	0756123458	24000	30	24900	Rasika Ekana...
50	2021	December	A0052021D	A005	Rasika Ekana...	24000	0756123458	24000	30	24900	Rasika Ekana...
51	2021	April	A0202021A	A020	Rasika Ekana...	24000	0756123458	24000	23	32500	Rasika Ekana...
52	2021	September	A0202021S	A020	Rasika Ekana...	24000	0756123458	24000	23	32500	Rasika Ekana...
53	2021	January	A0202021J	A020	Rasika Ekana...	5500	0716384936	60000	23	65500	Rasika Ekana...
54	2021	February	A0202021F	A020	Rasika Ekana...	5500	0716384936	60000	23	65500	Rasika Ekana...
56	2021	November	A0202021N	A020	Rasika Ekana...	5500	0716384936	60000	23	65500	Rasika Ekana...

Time  
Date

Figure 8.1.4.1

#	Year	Month	EmployeeSalary	EmployeeID	EmployeeEmail	Ot	ContactNumber	Basic	Attendance	CalculatedSalary	EmployeeName
30	2021	January	A001S	A001	jewwaka95@gmail.com	4200	0756123458	20000	25	24200	Jeewaka Perera
31	2021	February	A001F	A001	jewwaka95@gmail.com	4200	0756123458	20000	25	24200	Jeewaka Perera
32	2021	March	A001M	A001	jewwaka95@gmail.com	4200	0756123458	20000	25	24200	Jeewaka Perera
33	2021	April	A001A	A001	jewwaka95@gmail.com	4200	0756123458	20000	25	24200	Jeewaka Perera
34	2021	May	A001Ma	A001	jewwaka95@gmail.com	4200	0756123458	20000	25	24200	Jeewaka Perera
35	2021	January	A003J	A003	Rasika Ekana...	25000	0756123458	25000	27	27800	Rasika Ekana...
36	2021	February	A003F	A003	Rasika Ekana...	25000	0756123458	25000	27	27800	Rasika Ekana...
37	2021	March	A003M	A003	Rasika Ekana...	25000	0756123458	25000	27	27800	Rasika Ekana...
38	2020	January	A0032020J	A003	Rasika Ekana...	24000	0756123458	24000	27	27800	Rasika Ekana...
39	2020	February	A0032020F	A003	Rasika Ekana...	24000	0756123458	24000	27	27800	Rasika Ekana...
40	2020	March	A0032020M	A003	Rasika Ekana...	24000	0756123458	24000	27	27800	Rasika Ekana...
41	2020	September	A0032020S	A003	Rasika Ekana...	24000	0756123458	24000	27	27800	Rasika Ekana...
42	2020	December	A0032020D	A003	Rasika Ekana...	24000	0756123458	24000	27	27800	Rasika Ekana...
44	2021	January	A0052021J	A005	Rasika Ekana...	24000	0756123458	24000	30	24900	Rasika Ekana...
45	2021	February	A0052021F	A005	Rasika Ekana...	24000	0756123458	24000	30	24900	Rasika Ekana...
47	2021	March	A0052021M	A005	Rasika Ekana...	24000	0756123458	24000	30	24900	Rasika Ekana...
48	2021	September	A0052021S	A005	Rasika Ekana...	24000	0756123458	24000	30	24900	Rasika Ekana...
49	2021	November	A0052021N	A005	Rasika Ekana...	24000	0756123458	24000	30	24900	Rasika Ekana...
50	2021	December	A0052021D	A005	Rasika Ekana...	24000	0756123458	24000	30	24900	Rasika Ekana...
51	2021	April	A0202021A	A020	Rasika Ekana...	24000	0756123458	24000	23	32500	Rasika Ekana...
52	2021	September	A0202021S	A020	Rasika Ekana...	24000	0756123458	24000	23	32500	Rasika Ekana...
53	2021	January	A0202021J	A020	Rasika Ekana...	5500	0716384936	60000	23	65500	Rasika Ekana...
54	2021	February	A0202021F	A020	Rasika Ekana...	5500	0716384936	60000	23	65500	Rasika Ekana...
56	2021	November	A0202021N	A020	Rasika Ekana...	5500	0716384936	60000	23	65500	Rasika Ekana...

Time  
Date

Figure 8.1.4.2



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

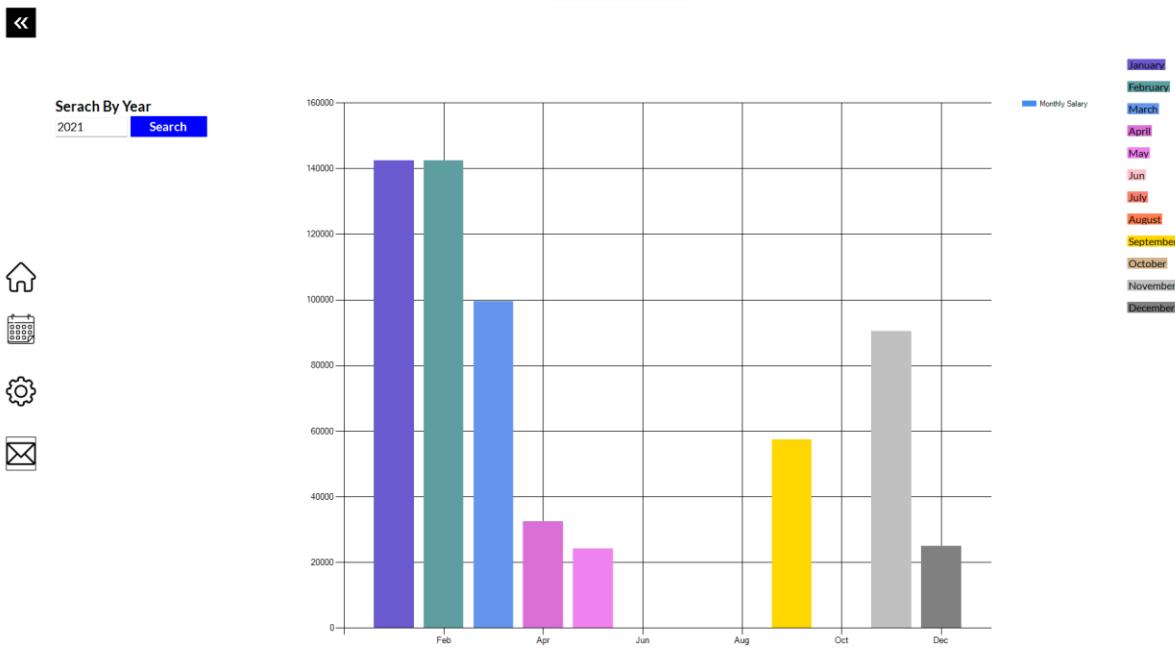


Figure 8.1.5.1

« X

Add Employee Salary

#	EmployeeName	EmployeeID	NC	DOB	Address	EmployeeEmail	ContactNumber	Attendance	OT	Edit	Delete
1	Jeevaka Perera	A001	952455619V	Tuesday, October 5, 2021	22/33, Jaya Road, Mar...	jeevaka95@gmail.com	0756123458	25	4200	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
5	Rasarajne Fernando	A002	962442619V	Tuesday, October 5, 2021	A55, Parinpaniya Road, ...	rasarajne000@gmail.c...	0756123458	24	2500	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
6	Rashika Ranayaka	A003	967845550V	Tuesday, October 5, 2021	128-B, Ubukakawella, ...	rashika5@gmail.com	0756123458	27	2800	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
7	Kaveetha Walalawila	A004	959574542V	Tuesday, October 5, 2021	X3, Baseline Road, Raja...	kaveetha52@gmail.com	0751212124	28	2900	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
8	Malithi Wanikulasingha	A005	955415246V	Tuesday, October 5, 2021	224, Vihara Para, Modara...	malithi5@gmail.com	0758452154	30	4900	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
9	Idukere Arannda	A007	965554552V	Tuesday, October 5, 2021	2/45, Panepaga Para, K...	idukere5@gmail.com	0756106152	28	4650	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
10	Tolani Weerasinghe	A008	929554278V	Tuesday, October 5, 2021	05, Kaduwewela Mabola...	tolanaani@gmail.com	0765106175	30	2050	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
11	Horus Jayamaha	A009	965634875V2	Tuesday, October 5, 2021	44/41, Rajamaha Vihara...	huv@gmail.com	0795106175	29	3750	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
12	Lakitha Weerakoon	A010	975452552V	Sunder, October 5, 1987	S22/02, Walketa Road, ...	lkky111@gmail.com	0795106175	24	3650	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
13	Nimal Jayathunga	A011	775452452V	Tuesday, October 5, 2021	colombo6	nimaljayathunga@gmail.c...	0765106175	25	3500	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
14	Wasanthi Rathnayaka	A012	590673638V9	Wednesday, October 6, ...	22/745, Subhapura, Kr...	wasanthi@gmail.com	07574303647	19	2000	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
15	Suri Hungama	A015	716734865V	Tuesday, October 5, 1971	30J, Malavathugama, Pa...	Suri.H@gmail.com	0716495528	30	1200	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
16	Danuka Akash	A016	203749537V	Thursday, October 5, 2000	3/45, Sunethradeni Pw...	akash_dj@gmail.com	07165438276	20	800	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
17	Maheseri Abeththa Gun...	A017	986742874V	Mondays, October 5, 1990	67/33, Ignina Para, Ah...	maheseri90@gmail.com	0732364816	27	500	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
18	Sathiana Wareaguru	A018	902741777V3	Friday, October 5, 1990	3A, Eptamulla, Saipuga...	wareagu.s@gmail.com	0732364816	27	900	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
19	Shahan Arohana	A019	2001845642V	Friday, October 5, 2001	A5/65, Perera Road, W...	shahanra@gmail.com	0752645387	28	1500	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
20	Sampath Rajakaruna	A020	748372774V9	Tuesday, October 5, 2021	34/C, Hanwella Road, ...	sampath@gmail.com	0716334595	23	5500	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
21	Nushikan Nizam	A021	958540033V4	Mondays, October 5, 1990	33A, Rathnapura Road, ...	nushnik@gmail.com	0773832749	30	1500	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
22	Shiva Rajakarunan	A022	553827745V	Tuesday, October 5, 2021	8C, Nadiou Road, Matru...	shiva@gmail.com	0777544274	25	5500	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
23	Sarawathi Mandhar	A023	853041833V7	Tuesday, January 5, 19...	12/18, Adicol Road, Kot...	sarawathi83@gmail.com	0777544274	20	1800	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
24	Sariththi godawila	A024	996587412V9	Thursday, August 12, 1999	12/4,bokkawala, project...	srariththi@gmail.com	0777544274	24	1000	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
25	suresh Jayamaha	A025	975984125V	Tuesday, July 5, 1998	12/4,pupuliyawa, ambal...	suresh52@gmail.com	0777544274	26	750	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
26	Suditha Rajapaksha	A026	7894563524V	Thursday, November 5, ...	12/5,thibingasyaya,dole...	suditha@gmail.com	07775323474	26	950	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

8:51:32 AM  
Wednesday, October 13, 2021

Figure 8.1.5.1



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

### Update Employee Salary

Year

Month

Employee Salary ID

Employee Name

Employee ID

Employee Email

OT

Contact Number

Basic

Attendance

Calculate Salary

Calculated Salary

Add

### Update Employee Salary

Year

Month

Employee Salary ID

Employee Name

Employee ID

Employee Email

OT

Contact Number

Basic

Attendance

Calculate Salary

Calculated Salary

Add

Information

Updated Successfully

OK

Figure 8.1.6.1

Figure 8.1.6.2

ID	EmployeeSalaryID	EmployeeName	EmployeeID	EmployeeEmail	OT	ContactNumber	Basic	Attendance	CalculatedSalary	Month	Year	
30	A0015	Jeewaka Perera	A001	jeewaka95@gmail...	4200	0756123458	20000	25	24200	January	2021	
31	A001F	Jeewaka Perera	A001	jeewaka95@gmail...	4200	0756123458	20000	25	24200	February	2021	
32	A001M	Jeewaka Perera	A001	jeewaka95@gmail...	4200	0756123458	20000	25	24200	March	2021	
34	A001Ma	Jeewaka Perera	A001	jeewaka95@gmail...	4200	0756123458	20000	25	24200	May	2021	
35	A003J	Rasika Ekanayaka	A003	rasika96@gmail...	2800	0756123458	25000	27	27800	January	2021	
36	A003F	Rasika Ekanayaka	A003	rasika96@gmail...	2800	0756123458	25000	27	27800	February	2021	
37	A003M	Rasika Ekanayaka	A003	rasika96@gmail...	2800	0756123458	25000	27	27800	March	2021	
38	A0032020J	Rasika Ekanayaka	A003	rasika96@gmail...	2800	0756123458	24000	27	27800	January	2020	
39	A0032020F	Rasika Ekanayaka	A003	rasika96@gmail...	2800	0756123458	24000	27	27800	February	2020	
40	A0032020M	Rasika Ekanayaka	A003	rasika96@gmail...	2800	0756123458	24000	27	27800	March	2020	
41	A0032020S	Rasika Ekanayaka	A003	rasika96@gmail...	2800	0756123458	24000	27	27800	September	2020	
42	A0032020D	Rasika Ekanayaka	A003	rasika96@gmail...	2800	0756123458	24000	27	27800	December	2020	
44	A0052021J	Malshi Wamakul...	A005	malshi@gmail.com	4900	0758452154	20000	30	24900	January	2021	
45	A0052021F	Malshi Wamakul...	A005	malshi@gmail.com	4900	0758452154	20000	30	24900	February	2021	
47	A0052021M	Malshi Wamakul...	A005	malshi@gmail.com	4900	0758452154	20000	30	24900	March	2021	
48	A0052021S	Malshi Wamakul...	A005	malshi@gmail.com	4900	0758452154	20000	30	24900	September	2021	
49	A0052021N	Malshi Wamakul...	A005	malshi@gmail.com	4900	0758452154	20000	30	24900	November	2021	
50	A0052021D	Malshi Wamakul...	A005	malshi@gmail.com	4900	0758452154	20000	30	24900	December	2021	
51	A0202021A	Sampath Rajakar...	A020	sampath@gmail...	5500	0716384936	27000	23	32500	April	2021	
52	A0202021S	Sampath Rajakar...	A020	sampath@gmail...	5500	0716384936	27000	23	32500	September	2021	
53	A0202021J	Sampath Rajakar...	A020	sampath@gmail...	5500	0716384936	60000	23	65500	January	2021	
54	A0202021F	Sampath Rajakar...	A020	sampath@gmail...	5500	0716384936	60000	23	65500	February	2021	
56	A0202021N	Sampath Rajakar...	A020	sampath@gmail...	5500	0716384936	60000	23	65500	November	2021	
57	24452	ravidu	000132	ravidu@gmail.com	2550	0756106155	20000	25	22550	March	2021	
*	58	12556	Rasika Ekanayaka	A003	rasika96@gmail...	2800	0756123458	10000	27	12800	June	219

Generate Employee Salary Detail PDF

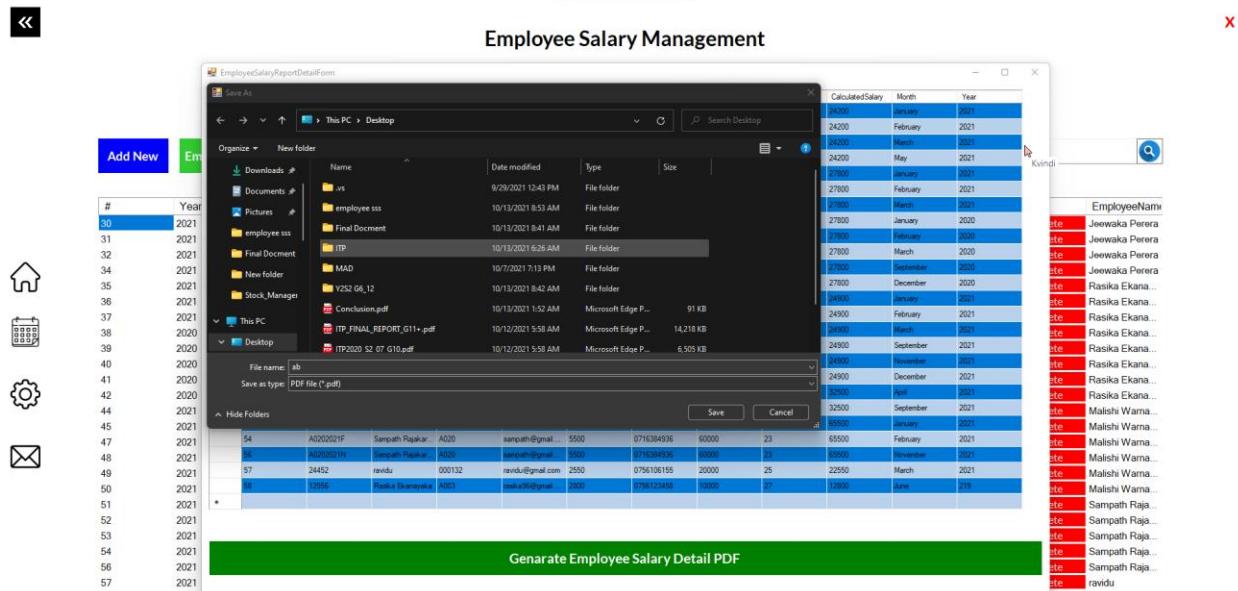
Figure 8.1.7.1



# **Sri Lanka Institute of Information Technology**

## **Information Technology Project**

### **Year2, Semester 2 - 2021**



Time  
Date

Figure 8.1.7.2

Figure 8.1.7.3



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

Employee Salary Management

Add New Employee Salary Chart Generate monthly report Add Salary j

#	Year	Month	EmployeeSalary	EmployeeID	EmployeeEmail	OT	ContactNumber	Basic	Attendance	CalculatedSalary	EmployeeName
35	2021	January	A003J	A003	rasika96@gmail...	2800	0756123458	25000	27	27800	Rasika Ekana...
38	2020	January	A0032020J	A003	rasika96@gmail...	2800	0756123458	24000	27	27800	Rasika Ekana...
44	2021	January	A0052021J	A005	malishi@gmail...	4900	0758452154	20000	30	24900	Malishi Wama...
53	2021	January	A0202021J	A020	sampath@gm...	5500	0716384936	60000	23	65500	Sampath Raja...

Home Calendar Settings Email

Time Date

Figure 8.1.8.1

Outgoing Management

Id	Year	Month	EmployeeSalary	OT	Basic	CalculatedSalary
30	2021	January	A001S	4200	20000	24200
31	2021	February	A001F	4200	20000	24200
32	2021	March	A001M	4200	20000	24200
34	2021	May	A001Ma	4200	20000	24200
35	2021	January	A003J	2800	25000	27800
36	2021	February	A003F	2800	25000	27800
37	2021	March	A003M	2800	25000	27800
38	2020	January	A0032020J	2800	24000	27800
39	2020	February	A0032020F	2800	24000	27800
40	2020	March	A0032020M	2800	24000	27800
41	2020	September	A0032020S	2800	24000	27800
42	2020	December	A0032020D	2800	24000	27800
44	2021	January	A0052021J	4900	20000	24900
45	2021	February	A0052021F	4900	20000	24900
47	2021	March	A0052021M	4900	20000	24900
48	2021	September	A0052021S	4900	20000	24900
49	2021	November	A0052021N	4900	20000	24900
50	2021	December	A0052021D	4900	20000	24900
51	2021	April	A0202021A	5500	27000	32500

Order_Id	Date	Unit_Price	Total_Price
16	2021/10/16	1300	1300000
24	2021/9/29	300	300000
25	2021/9/29	200	500000
26	2021/9/29	800	88000
27	2021/9/29	500	250000
28	2021/9/30	400	800000

Month Total Employee Payments Rs. 0  
Stock cost 1300000 Load data 9:05:57 AM  
Wednesday, October 13, 2021

Figure 8.2.1



# Sri Lanka Institute of Information Technology

## Information Technology Project

### Year2, Semester 2 - 2021

«

#### Outgoing Management

ID	Year	Month	EmployeeSa	OT	Basic	CalculatedSs
30	2021	January	A001S	4200	20000	24200
31	2021	February	A001F	4200	20000	24200
32	2021	March	A001M	4200	20000	24200
34	2021	May	A001Ma	4200	20000	24200
35	2021	January	A003J	2800	25000	27800
36	2021	February	A003F	2800	25000	27800
37	2021	March	A003M	2800	25000	27800
38	2020	January	A0032020J	2800	24000	27800
39	2020	February	A0032020F	2800	24000	27800
40	2020	March	A0032020M	2800	24000	27800
41	2020	September	A0032020S	2800	24000	27800
42	2020	December	A0032020D	2800	24000	27800
44	2021	January	A0052021J	4900	20000	24900
45	2021	February	A0052021F	4900	20000	24900
47	2021	March	A0052021M	4900	20000	24900
48	2021	September	A0052021S	4900	20000	24900
49	2021	November	A0052021N	4900	20000	24900
50	2021	December	A0052021D	4900	20000	24900
51	2021	April	A0202021A	5500	27000	32500

Month Total Employee Payments      Rs. 90400

Stock cost

Order_Id	Date	Unit_Price	Total_Price
16	2021 / 10 / 16	1300	1300000
24	2021 / 9 / 29	300	300000
25	2021 / 9 / 29	200	500000
26	2021 / 9 / 29	800	88000
27	2021 / 9 / 29	500	250000
28	2021 / 9 / 30	400	600000

Load data

November

2021

9:06:22 AM

Wednesday, October 13, 2021

Figure 8.2.2



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## 2.3. Implementation

In the development of the Royal car service center management system, Visual studio 2019 IDE was used as development of the project. The main reason that chooses us to use this as our development environment because, all of the members in the team have the earlier experience using the same IDE.

In the frontend development of this system, Visual Studio 2019 was used. MySQL phpMyAdmin was used in the database connection to the system.

Software

- Visual Studio 2019

Technology

- C#
- MySQL
- .Net



# Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2021

## 2.4. Testing

Group ID : ITP2021\_S2\_B6-01-07

Project title: Car Service Center Management

Testing Function 1: Outgoing Management contact number Field validation

Test case ID : CSM0001	Test designed by: Reg. No-It20226114 Name-Ekanayaka N G R P
Test priority (High/Medium/Low):	Medium

**Test Description:**  
**When adding new employee salary details , the phone number must be 10 digits.**

Preconditions (if there are any):Outgoing manager adding phone number.

Dependencies (if there are any):

**Test steps:**

Navigate to Outgoing Management.  
Click Employee Salary management page.  
Click add new employee button.  
Fill the all require field with 10 digit phone number.

**Pass-condition:**

**Outgoing manager must fill phone number field with 10 digits**



# Sri Lanka Institute of Information Technology

Information Technology Project

Year 2, Semester 2 - 2021

Test ID	Test Inputs	Expected Output	Actual Output	Result (Pass/Fail)	Comments
CSM0001	0716384788	Data entered successfully	Successfully added	Pass	Executed as expected
CSM0001	071638478	Alert: Enter 10 digits contact number	Alert: Enter 10 digits contact number	Pass	Executed as expected

Table 1 Testing



# Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2021

## Testing Function 2: Outgoing management auto calculate salary

Test case ID : CSM0002	Test designed by: Reg. No-It20226114 Name-Ekanayaka N G R P
Test priority (High/Medium/Low):	high
<p><b>Test Description:</b> Navigate to Employee salary management field. Click Add new button. Fill basic salary and OT. Click Calculate salary button.</p>	

### **Preconditions (if there are any):**

Outgoing manager fill the basic salary details and OT details

### **Dependencies (if there are any):**

### **Test steps:**

Navigate to Employee salary management.

Click add new button.

Fill required fields with basic salary and OT.

Click calculate salary button.

### **Pass-condition:**

Auto calculate the salary and display in calculated salary field.



# Sri Lanka Institute of Information Technology

## Information Technology Project

Year2, Semester 2 - 2021

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Test ID	Test Inputs	Expected Output	Actual Output	Result (Pass/Fail)	Comments
CSM0002	<b>Basic=20000 OT=2000</b>	<b>22000</b>	<b>22000</b>	<b>Pass</b>	<b>Calculation was correct</b>
CSM0002	<b>Basic = 1000 OT= 500</b>	<b>1500</b>	<b>1500</b>	<b>Pass</b>	<b>Calculation was correct</b>

Table 2 Testing



# Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2021

Group ID : ITP2021\_S2\_B6-01-07

Project title: Car Service Center Management

Testing Function 3: Input incomes to the table

Test case ID : CSM0003	Test designed by: Reg. No- IT20182700 Name- Weerakoon L M R
Test priority (High/Medium/Low):	High
<p><b>Test Description:</b> System user can generate bills and save the total income in the income table</p>	

**Preconditions (if there are any):**

User must retrieve the customer details by giving the customer NIC and user have to fill all the fields.

**Dependencies (if there are any):**

**Test steps:**

**Navigate to Income Finance Management.**

**System user have to enter the Customer NIC and get the customer details.**

**Then user have to create the bill and get the total.**

**Then user have to select the payment method.**

**Then user can create the bill and print it.**

**Then user can save the record in the table.**

**Pass-condition:**

**The system gives a successful message if the user done successfully**



# Sri Lanka Institute of Information Technology

Information Technology Project

Year 2, Semester 2 - 2021

Test ID	Test Inputs	Expected Output	Actual Output	Result (Pass/Fail)	Comments
CSM0003	abcd	Error message	Customer not found(error message)	Pass	Working well
CSM0003	345678934V	Details Retrieved Successfully	Details Retrieved Successfully	Pass	Working well
CSM0003	empty	Error message	NIC is empty(error message)	Pass	Working well

Table 3 Testing



# Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2021

## Testing Function 4: System user can generate the monthly report about their income

Test case ID : CSM0004	Test designed by: Reg. No- IT20182700 Name- Weerakoon L M R
Test priority (High/Medium/Low):	High
<p><b>Test Description:</b> System user can generate a monthly report which contains monthly income details</p>	

**Preconditions (if there are any):**  
User have to select a month, year and the target price they expected to the system.

**Dependencies (if there are any):**

**Test steps:**

User have to select a month and year at first.  
Then have to give the monthly income target as expected.  
Then user can load the data to the page by clicking the button.  
System gives the monthly data.  
Then user can generate a pdf file by clicking a button.

**Pass-condition:**  
System downloads a pdf file to the computer which is contain monthly data.



# Sri Lanka Institute of Information Technology

Information Technology Project

Year 2, Semester 2 - 2021

Test ID	Test Inputs	Expected Output	Actual Output	Result (Pass/Fail)	Comments
CSM0004	empty	Error message	Cannot be empty(error message)	Pass	Working fine
CSM0004	-100	Error message	Target price cannot be 0 or below(error message)	Pass	Working fine
CSM0004	300000	Show report successfully	Display monthly report	Pass	Working fine

Table 4 Testing



# Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2021

Group ID : ITP2021\_S2\_B6-01-07

Project title: Car Service Center Management

Testing Function 5: Supplier Management Adding New supplier To database with correct details

Test case ID : CSM0005	Test designed by: Reg. No- IT20178154 Name- Dilshan P.A.D.S.D
Test priority (High/Medium/Low):	Medium
Test Description: Add New Supplier to database with Validated Details	

Preconditions (if there are any):

Dependencies (if there are any):

Test steps:

1. Navigate to the Supplier Manage Page  
Click Add New Supplier Button  
In the 'Address' Field, Type an address less than 5 letters  
Click Register Button
2. correct Address, Fill other details and click Register Button

Pass-condition:

1. Error message must be displayed 'Email is empty'
2. message box will appear showing successfully registered



# Sri Lanka Institute of Information Technology

## Information Technology Project

Year2, Semester 2 - 2021

Test ID	Test Inputs	Expected Output	Actual Output	Result (Pass/Fail)	Comments
CSM0005	Address= No 23	Email is Empty Error box	Email is Empty Error box	Pass	The validation part of Address field is working Correctly
CSM0005	Address=No23,old road	Successfully go to next fields and complete registration	Registration Completed	pass	User can enter details to supplier form without any problem

Table 5 Testing



# Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2021

## Testing Function 6: Supplier Management Update Supplier Details

Test case ID : CSM0006	Test designed by: Reg. No- IT20178154 Name- Dilshan P.A.D.S.D
Test priority (High/Medium/Low):	Medium
<b>Test Description:</b> Update company name and Item Type	

**Preconditions (if there are any):** Supplier Must be a Registered Supplier

**Dependencies (if there are any):**

**Test steps:**

Navigate to supplier Management Main Page

Click Update Button in table

Update Company Name Field

Change Item type by Using Drop down List

Click Update Button

**Pass-condition:**

Message box will appear showing “Updated Successfully”



# Sri Lanka Institute of Information Technology

## Information Technology Project

Year2, Semester 2 - 2021

Test ID	Test Inputs	Expected Output	Actual Output	Result (Pass/Fail)	Comments
CSM0006	Company Name= shell gas to sh	Company name not entered error box	Company name not entered error box	Pass	Validations are working properly
CSM0006	Company name = Sh to Shell Company Item Type = Paints to lubricant And other fields	Update Successfully completed Message Box	Updated Successfully completed Message Box	Pass	All the fields can be filled, and data successfully stored in database

Table 6 Testing



# Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2021

Group ID : ITP2021\_S2\_B6-01-07

Project title: Car Service Center Management

Testing Function 7: Save accepted booking details in the customer manager's main table

Test case ID : CSM0007	Test designed by: Reg. No- IT20178840 Name- Weerasinghe T. R
Test priority (High/Medium/Low):	Medium
Test Description: Save accepted booking details in the customer manager's main table	

Preconditions (if there are any):

Dependencies (if there are any):

Test steps:

Navigates to Booking Management main page

After confirming the customer booking, the booking is accepted by clicking a button in the row corresponding to that customer

Then customer's details are retrieved to the view form

Fill the additional details in the view form

Then the user can save details in to a customer table by clicking a button

Pass-condition: The system

The system gives a successful message if the added successfully



# Sri Lanka Institute of Information Technology

## Information Technology Project

Year2, Semester 2 - 2021

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Test ID	Test Inputs	Expected Output	Actual Output	Result (Pass/Fail)	Comments
CSM0007	Empty	Error message	Cannot be empty	pass	Worked Successfully
CSM0007	amaligmail.com	Invalid Email	Invalid Email (error message)	pass	Worked Successfully
CSM0007	amali@gmail.com	Save customer table	Added successfully	pass	Database connection is successful

Table 7 Testing



# Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2021

## Testing Function 8: Enter the new booking into main table

Test case ID : CSM0008	Test designed by: Reg. No-IT20178840 Name-Weerasinghe T.R
Test priority (High/Medium/Low): Medium	Medium
<b>Test Description:</b> The form that adds new bookings checked if all the field have been filled and mainly checked contact number and NIC are in the correct format.	

**Preconditions (if there are any):**

**Dependencies (if there are any):**

**Test steps:**

Navigate to Booking Management main page and click “Add new booking” button

Then enter the information into all relevant fields

Click “Submit” button and add data in to the main booking table

**Pass-condition:**

Added new booking



# Sri Lanka Institute of Information Technology

Information Technology Project

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Test ID	Test Inputs	Expected Output	Actual Output	Result (Pass/Fail)	Comments
CSM0008	empty	Error message	cannot be empty	pass	Worked Successfully
CSM0008	1956897v	Invalid NIC	Invalid NIC(error message)	pass	Worked Successfully
CSM0008	07145	Invalid contact number	Please enter the valid contact number (error message)	pass	Worked Successfully

Table 8 Testing



# Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2021

Group ID : ITP2021\_S2\_B6-01-07

Project title: Car Service Center Management

Testing Function 9: Input a pre visited customer NIC or new customer NIC and click on fetch exiting info button in order to get details

Test case ID : CSM0009	Test designed by: Reg. No- IT20183004 Name-Hiruni J.M.D.K Reg. No- Name- Reg. No- Name-
Test priority (High/Medium/Low):	High
<p><b>Test Description:</b> When inputting the pre visited customer NIC, the relevant information which is stored previously which corresponds to the NIC will be displayed automatically if not when clicking it an error message will appear</p>	

Preconditions (if there are any):

The customer should be a pre-visited customer to the service center before in order to fetch the previous records

Dependencies (if there are any):

Test steps:

- 1.Click on the add customer button.
- 2.Enter an existing NIC or new NIC to the text box given.
- 3.Click on the fetch existing info button to retrieve information.

Pass-condition:

For existing NIC: The data will be automatically filled successfully

For new NIC: An “error” message will appear.



# Sri Lanka Institute of Information Technology

## Information Technology Project

Year 2, Semester 2 - 2021

Test ID	Test Inputs	Expected Output	Actual Output	Result (Pass/Fail)	Comments
CSM0009	995760347v (An existing customer)	The details should be retrieved.	The relevant details are successfully retrieved into labels.	Passed	As I think the technique used, is very practical for the given scenario.
CSM0009	998960346v (A new customer)	An error message should be displayed when the fetch existing info is pressed	Error (The error message)	Passed	Works well
CSM0009	7867v (An ID which is not in the current table)	An error message should be appeared	Customer not found [The error message]	Passed	Works well

Table 9 Testing



# Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2021

## Testing Function 10: Input a new customer to the customer table.

Test case ID : CSM0010	Test designed by: Reg. No- IT20183004 Name-Hiruni J.M.D.K Reg. No- Name- Reg. No- Name-
Test priority (High/Medium/Low):	Medium

**Test Description:**  
In the customer adding form, if any of the detail which is required from the form is empty, a message will appear to inform the user. If the NIC is not valid in situations like not adding the character at the end {for count =10(before 1999)} and {for count =12(before 2000)} adding character, now an invalid message will be displayed. If the contact number length is not equal to 10, then an error message will be displayed. If the email is not in standard format, there also an error message will be appeared

### Preconditions (if there are any):

The customer should be a new customer to the system.

### Dependencies (if there are any):

### Test steps:

- 1.Click on the add customer button
- 2.Enter the information in correct format for the relevant fields.
- 3.Click on the save button

### Pass-condition:

A success message will be appeared saying that “Customer Added Successfully”.



# Sri Lanka Institute of Information Technology

## Information Technology Project

Year 2, Semester 2 - 2021

Test ID	Test Inputs	Expected Output	Actual Output	Result (Pass/Fail)	Comments
CSM0010	07156789751 (Contact number more than 10)	Contact number error	Please enter valid contact number [error message]	Passed	Working perfectly
CSM0010	Kaveeshagmail.com (email)	Invalid email	Invalid email [error message]	Passed	Working as expected
CSM0010	9967895v	Invalid NIC	Invalid NIC [error message]	Passed	Working as expected

Table 10 Testing



# Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2021

Group ID : ITP2021\_S2\_B6-01-07

Project title: Car Service Center Management

Testing Function 11: Check the current stock has enough quantity of items or not

Test case ID : CSM00011	Test designed by: Reg. No-IT20237622 Name-Nayananananda W.A.K.D
Test priority (High/Medium/Low):	High
<p><b>Test Description:</b> If the quantity of items that in the current table is lesser than the minimum quantity, the quantity column is shown as a red cell and if the current quantity of items is closer to minimum quantity the quantity column is shown as blue color.</p>	

Preconditions (if there are any):

Dependencies (if there are any):

Test steps:

- 1.Navigates to the Stock Management main page.
- 2.The stock manager can input item details through the “add items” button.
- 3.If the quantity that he/she input is lesser than the minimum quantity, the quantity column is shown as a red cell and if the current quantity of items is closer to minimum quantity the quantity column is shown as blue color.

**Pass-condition:**

If he/she edit the quantity, with an enough quantity of items the cell of quantity becomes the usual color again.



# Sri Lanka Institute of Information Technology

## Information Technology Project

Year 2, Semester 2 - 2021

Test ID	Test Inputs	Expected Output	Actual Output	Result (Pass/Fail)	Comments
CSM00011	Quantity-100 Minimum Quantity-80	The relevant cell of the quantity column should be in blue color.	It is shown as blue color.	Pass	It is successfully displayed as same as mentioned.
CSM00011	Quantity-300 Minimum Quantity-1000	The relevant cell of the quantity column should be in red color.	It is shown as red color.	Pass	As my view from this can identify the items that need to purchase.
CSM00011	Quantity-3000 Minimum Quantity-1000	When edit a quantity as greater than the minimum quantity the cell of quantity should become the usual color.	After edited with a quantity that is greater than the minimum quantity the cell of quantity became the usual color.	Pass	Executed successfully

Table 11 Testing



# Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2021

## Testing Function 12: Validate the item name, quantity, unit price and minimum quantity

Test case ID : CSM0012	Test designed by: Reg. No-IT20237622 Name-Nayanananda W.A.K.D.
Test priority (High/Medium/Low):	Low

**Test Description:**  
The item name, quantity, unit price and minimum quantity fields should not be empty. If the manager clicks the 'save' button before fill all the fields, it will be appeared an error message. As well quantity, unit price and minimum quantity fields can be filled only with positive integers and cannot be filled with 0 or negative numbers. Otherwise, it will be shown an error message. The date field is don't need to fill because current date will be shown automatically.

**Preconditions (if there are any):**

**Dependencies (if there are any):**

**Test steps:**

- 1.Navigates to the Stock Manager main page
- 2,Click the 'Add Items' button.
- 3.Then a form will be appeared as pop up.
- 4,In there should be filled with the correct validations before click the 'save' button, otherwise it will be shown error messages.

**Pass-condition:**

If the manager filled the form with the all correct validations the item will be added successfully and it will be shown a message as 'Added successfully'.



# Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2021

**Test executed Group ID: ITP2021\_S2\_B05\_G04**

**Test Executed members details:**

**Reg. No- IT20241414**

**Name- Gunawardana G. B. P**

**Reg. No-**

**Name-**

Test ID	Test Inputs	Expected Output	Actual Output	Result (Pass/Fail)	Comments
CSM0012	Item Name- Quantity- 300 Unit Price- 400 Minimum Quantity- 100	Should be an error message and cannot add the item.	There was an error message called "Item Name is empty" and could not add that item.	Pass	Successfully completed as same as mention and it seems practically.
CSM0012	Item Name- Air Filters Quantity- as	Should be an error message as cannot add characters to the quantity and should not be complete other fields till give a valid quantity.	There was an error message and could not be completed other fields till give a valid quantity value.	Pass	Successfully worked
CSM0012	Item Name- Air filters Quantity- 300 Unit Price- 400 Minimum Quantity- 100	Should be added the item successfully.	Added successfully and was a message called "Added successfully"	Pass	Executed successfully.

Table 12 Testing



# Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2021

**Group ID: ITP2021\_S2\_B6-01-07**

**Project title: Car Service Center Management**

## Testing Function 13: Vehicle Management Registration Validation

<b>Test case ID: CSM0013</b>	<b>Test designed by:</b> Reg. No- IT20120702 <b>Name-</b> Warnakulasooriya.M.K.W
<b>Test priority (High/Medium/Low):</b>	Medium
<b>Test Description:</b>  <b>When adding vehicle details, all the fields must be filled.</b>	

### **Preconditions (if there are any):**

**Vehicle manager filling the form by adding vehicle details.**

### **Dependencies (if there are any):**

### **Test steps:**

**Navigate to Vehicle Management.  
Click Vehicle Registration page.  
Click Save button.  
Fill the all require field.**

### **Pass-condition:**

**Vehicle manager must fill all the fields with necessary values.**



# Sri Lanka Institute of Information Technology

Information Technology Project

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Test ID	Test Inputs	Expected Output	Actual Output	Result (Pass/Fail)	Comments
CSM00013	Vehicle, ID: 2 No: CAL2112 Color: EMPTY Condition: Good Type: Double Cab Customer, NIC:981234546V	Error Message: <b>Please fill all the fields.</b>	All the fields must be filled.	Pass	Worked successfully.
CSM00013	Vehicle, ID: EMPTY No: EMPTY Color: EMPTY Condition: EMPTY Type: EMPTY Customer, NIC: EPMTY	Error Message: <b>Please fill all the fields.</b>	All the fields must be filled.	Pass	Worked successfully.

Table 13 Testing



# Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2021

## Testing Function 14: Vehicle management View Vehicle

<b>Test case ID:</b> CSM0014	<b>Test designed by:</b> Reg. No- IT20120702 Name- Warnakulasooriya.M.K.W
<b>Test priority (High/Medium/Low):</b>	Low
<b>Test Description:</b>  <b>When the vehicle manager needs to view any vehicle, he/she can search it by vehicle ID/color or customer NIC.</b>	

<b>Preconditions (if there are any):</b>  <b>Adding vehicle details (vehicle number/ID, customer NIC)</b>
<b>Dependencies (if there are any):</b>

<b>Test steps:</b>  <b>Navigate to Vehicle Management.</b> <b>Click View Vehicle page.</b> <b>Fill any field (Vehicle Number, Vehicle ID, Customer NIC) with correct values.</b>
--

<b>Pass-condition:</b>  <b>Table will be filled with the expected result.</b>
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# Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2021

Test ID	Test Inputs	Expected Output	Actual Output	Result (Pass/Fail)	Comments
CSM0014	Vehicle No: C	Vehicle, ID: 2 No: CAL2112 Color: Maroon Condition: Good Type: Double Cab Customer, NIC:981234546V	Vehicle, ID: 2 No: CAL2112 Color: Maroon Condition: Good Type: Double Cab Customer, NIC:981234546V	Pass	Searched details was correctly displayed
CSM0014	Vehicle ID: 1	Vehicle, ID: 1 No: CAF2112 Color: Black Condition: Good Type: Car Customer, NIC:931234546V	Vehicle, ID: 1 No: CAF2112 Color: Black Condition: Good Type: Car Customer, NIC:931234546V	Pass	Searched details was correctly displayed
CSM0014	Customer NIC: 9	Vehicle, ID: 3 No: CB2112 Color: White Condition: Old Type: Van Customer, NIC:991234546V	Vehicle, ID: 3 No: CB2112 Color: White Condition: Old Type: Van Customer, NIC:991234546V	Pass	Searched details was correctly displayed

Table 14 Testing



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Group ID : ITP2021\_S2\_B6-01-07

Project title: Car Service Center Management

Testing Function 15: Employee management email validation.

Test case ID : CSM0015	Test designed by: Reg. No-it20119812 Name-Walalawela K K
Test priority (High/Medium/Low):	medium
<p><b>Test Description:</b> When adding a new employee, e mail should be contained '@' sign.</p>	

**Preconditions (if there are any):**

The Employee manager Should fill the e mail field with veiled email address.

**Dependencies (if there are any):**

**Test steps:**

Navigate to Employee management.

Click add new button.

Fill form with required field.

**Pass-condition:**

Successfully email saved to database.



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Test ID	Test Inputs	Expected Output	Actual Output	Result (Pass/Fail)	Comments
CSM0015	kaveesha@gmail.com	Data saved to database.	Data saved to database.	pass	Successfully executed
CSM0015	Kaveeshagmail.com	Error message: Invalid Email	Error message: Invalid Email	pass	Successfully executed

Table 15 Testing



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## Testing Function 16: Employee management

Test case ID : CSM0016	Test designed by: Reg. No-IT20119812 Name-Walalawela K.K
Test priority (High/Medium/Low):	Medium
<p><b>Test Description:</b> After click report generation button report save to pc as pdf.</p>	
<p><b>Preconditions (if there are any):</b> Navigate to pdf generate in employee management system.</p>	
<p><b>Dependencies (if there are any):</b></p>	
<p><b>Test steps:</b> Navigate to employee management system. Click generate pdf button.</p>	
<p><b>Pass-condition:</b> Save pdf to your computer.</p>	



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Test ID	Test Inputs	Expected Output	Actual Output	Result (Pass/Fail)	Comments
CSM0016	Click Generate pdf button.	Saved pdf to computer.	Saved pdf to computer.	Pass	Successfully connected to the database and saved pdf successfully.

Table 16 Testing



## 3.Evaluation

### 3.1Assesment of the project results

#### Outcomes

- New skills and competencies obtained by personnel
- Improved knowledge
- Increased understanding of business environment
- Proactive participation in decision making

#### Impacts

- Increased quality of a product/service
- Decreased rush in the car service center
- Higher number of customers wishing to obtain service
- Enhanced productivity of personnel

### 3.2 Lesson Learned

#### Identify:

- We realized to do the work on time without procrastination because there were deadlines to meet.
- We learnt that when it comes to team work, we must collaborate with the team members in order to build up a quality product as the output.

#### Document:

- We missed to integrate the system in the evaluation phase 1 and we documented it to avoid future misses.

#### Analysis:

- More time should have been scheduled for the results to be delivered in Phase One because we was not able to finish the report making and the integration on the evaluation phase 1.
- Analyze the information from the lessons learned survey in order to effectively improve the project.

#### Store:

- We stored our project on the GitHub. We Cataloged the reports on the shared drive using our project name.

#### Retrieve:

- The reports could be retrieved for use



### 3.3. Conclusion And Future Work

#### Objectives

- The main objective of this proposed project is to design and implement a computerized and automated online system and web-based application for Royal Auto Service Center. This full system will be designed for handling customer management, employee management, vehicle management, booking management, stock management, supplier management, and income and outgoing finance management in Auto Service Center. Manual system is not suitable for the service center where several numbers of people interact daily with it. It is a huge task to manage and keep a track of large amount of sensitive data and generate valuable reports. To avoid that and make the process more efficient, productive, and convenient for both parties, it is decided to design and implement this Car Service Management system.

#### Goals

- Provide a computerized system that allows for automatic data entering, data updating, data retrieval, and data deletion.
- Using a centralized database instead of manually storing files, provide quick and easy ways to automatically keep all the required records.
- Avoid data redundancy, data inconsistency by properly storing.
- Create graphical, user-friendly interfaces, graphics, and videos that make customers feel at ease and accomplish their goals in only a few clicks.
- Avoid time wastage when booking vehicle, booking customers, generating monthly reports and other necessities.

#### Benefits of the system

- The total price can be calculated automatically.
- Better data management
- Minimize data redundancy and processing errors
- All the outgoings available in one place.
- Store data in a secure database.
- Automatic generation of reports.
- Easily can find the employee, customer, vehicle details in an emergency.
  - Generating a bill for the customer with a receipt.
  - Saving all the incomes with the relevant details and user can retrieve them.
- Employee attendance can mark more efficiently.



# Sri Lanka Institute of Information Technology

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#### 4. References

[1] C# Tutorials, Available:  
<https://www.youtube.com>

[2] .NET Documentation, Available:  
<https://docs.microsoft.com/en-us/dotnet/>

[3] C# Documentation, Available:  
<https://docs.microsoft.com/en-us/dotnet/csharp/>

[4] C# Documentation, Available:  
<https://www.phpmyadmin.net/docs/>



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**LOGIN UI :**

Login

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The logo for Royal Auto Service Center is centered at the top. It is a gold-colored emblem with a crown at the top, containing the text "ROYAL AUTO SERVICE CENTER" and a small image of a car below it.

User Name

Password

Login

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## Selected Code Listings

```
private void backupBtn_Click(object sender, EventArgs e)
{
    progressBarBckp.Value = 0;
    string d_ = DateTime.Now.Date.ToString();
    string t_ = DateTime.Now.TimeOfDay.ToString();
    string sql = "datasource=localhost;port=3306;username=root;password=;database=csm;SslMode=none";
    string file = "D:\\csm\\csm.sql";
    progressBarBckp.Value = 10;
    using (MySqlConnection con = new MySqlConnection(sql))
    {
        progressBarBckp.Value = 30;
        using (MySqlCommand cmd = new MySqlCommand())
        {
            progressBarBckp.Value = 40;
            using ( MySqlBackup mb = new MySqlBackup(cmd))
            {
                progressBarBckp.Value = 50;
                cmd.Connection = con;
                con.Open();
                try
                {
                    progressBarBckp.Value = 60;
                    mb.ExportToFile(file);
                    progressBarBckp.Value = 100;
                }
                catch(Exception ex)
                {
                    MessageBox.Show(ex.Message);
                }
                con.Close();
            }
        }
        MessageBox.Show("Backup complete");
    }

    private void button1_Click(object sender, EventArgs e)
    {
        new OutgoingDash().ShowDialog();
    }
}
```

We built a Special function to back up the Database. This will prevent data base by loosing data in Royal Car Service management System.