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Inventory Management System for Casanova Project Report

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Submitted by:

1. IT20198640– (Fernando W. T. P. R.)
2. IT20185220– (Hewage H. K. P.)
3. IT20203658– (A. M. K. B. Abeykoon)
4. IT20244484– (Dhanushanka A. K. L.)
5. IT20109462– (Liyanage D. K.)
6. IT20109530– (Malluwawadu K. T.)
7. IT20067342– (Jayasuriya J. A. D. A. S.)
8. IT20041052– (Senanayake S. M. H. S.)

Submitted to:

Name of the supervisor/lecturer

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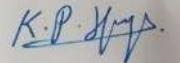
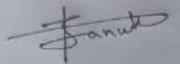
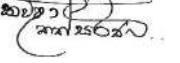
Declaration

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Project Details

Project Title	Inventory Management System for Casanova
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Group Members

Reg. No	Name	Signature
IT20198640	Fernando W. T. P. R.	
IT20185220	Hewage H. K. P.	
IT20203658	A. M. K. B. Abeykoon	
IT20244484	Dhanushanka A. K. L.	
IT20109462	Liyanage D. K.	
IT20109530	Malluwawadu K. T.	
IT20067342	Jayasuriya J. A. D. A. S.	
IT20041052	Senanayake S. M. H. S.	

Abstract

This project is done as the project in second year second semester under the Information Technology Project (ITP) module. For this module project we designed an Inventory Control System for Casanova. Casanova is an apparel manufacturing company. Currently Casanova is facing many problems regarding every process which done inside the company. The main reason for those problems is not having a proper Inventory Control System to manage all their procedures inside the company. By considering all those problems and difficulties they faced the proposed system for Casanova was building up an Inventory Control system. This system contains eight main functionalities. All those eight functions are prepared according to the customer's needs. They are Order Management, Raw Material Stock Management, Import Management, Account Management, Ready-made Stock Management, Production Management, Quality Check Management and Transport Management. A complete system along with those eight functions and including login and home pages was developed under this IT project. It can be concluded that this Inventory Control System can be effectively used to increase the work process and operate every function efficiency, easily and reliable.

Acknowledgement

We would like to extend our gratitude towards Sri Lanka Institute of Information Technology (SLIIT) for providing us with the opportunity to do this project as a whole module. Special thanks should go to our lecturer Mr. Ishara Gamage, the evaluator Mr. Kasun Vihanga who guided us throughout the semester by providing us the knowledge regarding IT project module and who guided us in every evaluation and corrects our mistakes, giving more ideas to complete the project successfully. Special thanks go to our client Mr. Deegayu Rambandara who is the owner of Casanova. Thank you for handing over us this opportunity and believing us. Finally, we would like to thank for everyone who supported to make this project a success.

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List of Acronyms and Abbreviations

SLIIT - Sri Lanka Institute of Information Technology

LMO - Less Material for Orders

1. Introduction

1.1 Problem Statement

Our client, Casanova, is an apparel manufacturing company based in Sri Lanka. Casanova import raw materials through Priyantha Distributors who was in the industry for more than ten years. Casanova send the raw materials to several local garments and distributing them for the local buyers. The local buyers of Casanova are; Odel, Deedat, Strips and Checks, Biconic, Coco, Cotton Collection and many more. For all of these procedures, Casanova did not have a proper system. Because of that Casanova found many defaults before implementing the Inventory Control system. The main problem to be addressed in this company is to implement the Inventory control system. It is more important to Casanova because, they can manage all the raw materials according to the orders and complete the orders on time with the required quality and manage all the revenues and expenditures without involving human hands. The management of Casanova decided that the current system is difficult to handle ultimately causing their efficiency to decrease. When calculating expenditures and revenues of Casanova accountants were used to calculate them manually.

There are several requirements Casanova needs to satisfy through building up this Inventory Control system.

- 1) Managing all the orders from local buyers according to their requirements.
- 2) Import raw materials according to the orders and calculate the less number of materials and excess number of materials.
- 3) Calculate the company expenditures and revenues.
- 4) Proper system for quality check.
- 5) Manage all the transports done between the garments, company and other.
- 6) Manage all the ready-made products and distribute them accordingly.

1.2 Product Scope

The overall product will be a web application that has eight major functions as Order Management, Raw Material Stock Management, Import Management, Account Management, Ready-made Stock Management, Production Management, Quality Check Management and Transport Management. All of these eight functions have a unique procedure inside the functions to be completed. The system was implemented according to the client's requirements and by considering those requirements the system divided into eight main categories as above. Those eight main categories are the eight main functionalities of the Inventory Control system of Casanova.

As a brief indication what the system is designed to do is as below. The buyer of Casanova is placing an order by giving all the necessary details of the order by making the necessary payments. The order must deliver to the buyer before the expecting date. The order management function checks all the required number of raw materials needed for an order is having in the Material Stock Management function. If there is not the necessary number of materials to fulfil the order, Material Stock Management function is informing the order function the less number of materials. The less materials and the generally needed raw material amount are informing to the Import Management function to get imported. And at that time Casanova is doing the necessary payment for the suppliers. After receiving the raw materials from suppliers, they are sending to Material Stock Management function through Import Management function. The raw materials are transporting to the warehouse after purchasing from suppliers. And then the raw materials are categorized into three main categories in Material Stock Management function. As per the orders from buyers, the necessary raw material amount which is needed to complete the order is taken from Production Management function and distributed to each garment through Production Management function. At that point, a payment done for the garments. The garments are sending the apparels after completing the order. There is a transport in between garment and Casanova. The completed apparel orders are sending to the Quality Check function to check the quality of the final output. In this function, if the order is not satisfied the given requirement and the final output is not at the best quality those details are reported through a defect card. The completed quality checked apparel products are going to the ready-made product stock store. In Ready-made Product management function, there is a schedule to distribute the orders to the buyers. There happens a transport. In this system, the Transport Management function procedure has all

the necessary details as, vehicle number, route, driver name etc. After above mentioned procedure, all the revenues and expenditures management, all the profits and losses calculations are done by the Account Management function.

In this Inventory Control system there are several actors to perform those eight functions. They are as Order manager, Raw Material Stock Manager, Import Manager, Account Manager, Ready-made Stock Manager, Production Manager, Quality Check Manager and Transport Manager. Despite of all those eight actors Admin can access all those functionalities. Those eight actors are having access only for their function. But, for some functions there is a intermediate connection between more than one function and they all are connected through the database and those connected functions are getting details through the database of Casanova. It is more significant and reliable to when using the system.

1.3 Project Report Structure

The methodology of the project will be discussed under four main sections. Those four sections will be requirement analysis, design, implementation, and testing. Details of those four sections and components of the system will be discussed under each section separately. Figures, diagrams, and tables related to each, and every section and component of the system will be included in the section there themselves and supplementary material will be included in the appendices.

2. Methodology

2.1 Requirements and Analysis

Requirements of the project will be discussed under each component of the Inventory Control system with the aid of activity diagrams and use case diagrams.

2.1.1 Main requirements of the Inventory Control system.

1. A complete Inventory Control system to administrate all the procedures in the company.
2. A complete function to manage all the orders coming from the local buyers.
3. A complete function to manage all the raw materials which are being imported through Priyantha Distributors.
4. A complete function to manage the importing procedures.
5. A complete function to calculate and manage all the expenditures and revenues of the company.
6. A complete function to manage all the ready-made products which are coming from the local garments.
7. A complete function to manage all the productions in the company.
8. A complete function to check the quality of the ready-made products which are coming from the local garments.
9. A complete function to manage the transports done in the company.

2.1.2 System Actors

Administrator

The administer is the most significant actor in this Inventory Control system. Admin has the access for all the eight functions in this system. Admin only allows to view the details and download and retrieve the reports.

Order manager

Order manager is the responsible person for this function. order manager can add, update, delete and retrieve the order details and generate the order details report in the function.

Raw Material Stock Manager

The raw material stock manager is the responsible person for the raw material stock management function. In that function, raw material stock manager can add all the material details to the material card according to the type of the material. Update those entered details of materials and delete if it is not needed. LMO (Less Material for Orders) card also handled by raw material stock manager, and it also have all the add, update, retrieve, and delete options.

Import Manager

All the shipments which related to inventory control system of Casanova are included in Import management. All the regular shipments and less material shipments are done by This import management function. Import manager collects all the shipments which related to The order. Then they are categorized into two main shipments called regular and less material .After getting details import manager can calculate the total for each shipment. The shipment ID is generated and the total is calculated automatically according to the unit price and quantity. Import manger can search any shipment by supplier name. He also can delete and edit the shipments according to the rules of Casanova inventory control system. Then he can download the report according to the shipment details.

Production Manager

Production Management is the responsible person, who controls all production of the system. Manager can add a new factory for the system and edit or delete any factory from the form and also manager can search any factory by the factory name. Magic tool is a very special tool for production manager. Production manager should be calculating the raw materials to identify, the raw materials and how much needed to complete each product. In raw factory form, production manager should include the raw materials, that need to send for the factories. So, in their production manager can add a form including these raw materials and also manager can edit that form and if it not needed manager can delete the form. If manager need to search any raw factory form, he can search it by using, product and finally manager can generate a report as a pdf and excel format by including raw factory details.

Quality Check Manager

The quality check manager is the responsible person for the quality check management function. In this function, quality check manager can add quality checked products details into the check card, update the card, retrieve, and delete the details. Quality check manager and the admin can download the reports which generates in this function. The defect details are added into a separate form. It is the defect card. Quality check manager can retrieve, add, update and delete those cards as well. Defect card can retrieve by Production manager and also for the admin.

Ready-made stock manager

Readymade manager can add, view, edit or delete any packing form. readymade manager can search any packing form by using category. After the packing form readymade manager check the transport schedule. In their manager decide which driver goes to which vehicle and also which vehicle pick up which order. So finally, by the reporting category, readymade manger can generate a report in packing forms as a pdf format and excel sheet too. In there also manager can search any form by category and due date.

Transport Manager

In this function all the major activities are managed by transport manager. Transport Manager arrange schedules for transportation. And Transport manager have updated record of available and not available vehicles according to relevant schedules Transport manager has list of all the vehicle details, driver details and also, he is the responsible person for above records behalf of the company. Only transport manager has permission to change those records.

Account Manager

All account which related to functions of inventory control system of Casanova are included in account management. all income transactions and expenses transactions which often take place with money are entered into the system under the account management and the suggestions that necessary to take future

decisions are also included under this system. Account manager collects all the transactions which related to the order. Then they are categorized into three main section: sales journal, purchase journal and general journal. After that account manager can calculate the profit according to the order ID, by using profit form. He should be included the below details which related to the order ID customer name, customer status, sales journal amount, purchase journal amount, general journal amount, other.

The order ID is generated and the profit is calculated automatically according to the journals amounts by the system. The account details which are added before, retrieved with the auto generated order ID and the calculated profit by the system. Then account manager can search any transactions which are added before by using the field , such as customer name and customer status .

He also can delete and edit the account details according to the rules of Casanova inventory control system. Then he can download the report which are generate by the system according to the account details. Then account manager presents suggestion to achieve the future goals of the Casanova company by using account details. Here he can edit, delete those future plans and search.

2.1.3 Order Management

(IT20041052 - Senanayake S.M.H.S.)

Getting an order from a Buyer. After getting the order, if the needed items to complete the order are available, confirm the order. If not inform the Raw Material Stock Management to get the needed items. Buyer can place an order after filling an order form and making the relevant payment. A summary report is shown to the buyer after the order is placed. At the end of the month, a report on all orders taken will be available.

2.1.3.1 Functional and non-functional requirements of Order Management

2.1.3.1.1 Functional Requirements

- Customer can place an order by filling Place an Order form.
- Only order manager and admin can edit and delete specific order.
- When adding a new order following records are saved in the database.
 - Product
 - Unit Price
 - Quantity
- All the field has proper validation.
- Each and every order has specific order Id which is generated by mongodb.
- Order manager should be able to generate Order Report and also get the report as an output both PDF and excel format.

2.1.3.1.2 Non-functional Requirements

- Performance
 - Customer can place an order with few seconds
 - Generate report as pdf in two seconds.
- Usability
- Simplicity of the UIs

- Maintainability - If any component critically failed, it can be easily fixed through the relevant ones, that I have followed within a short period of time.

2.1.4 Raw material Stock Management

(IT20109462 – Liyanage D.K.)

Raw material stock Manager must be able to add, update, delete and retrieve the Material card and the LMO card. Despite of the raw material stock manager, admin can access and view those details. Raw material stock manager must be login to the system as a manager and he can log out from the system.

- Admin must not be making changes to the material card and LMO card.
- Admin can only view those details.
- Admin must be able to download and view all the reports.
- Order manager and production manager must be able to view material cards.

2.1.4.1 Functional and non-functional requirements of Raw material Stock Management

2.1.4.1.1 Functional Requirements

- Raw material stock manager must be able to login to the system, logout from the system.
- Raw material stock manager must be able to enter Material details by filling the form.
- Raw material stock manager must be able to download all the reports which generates in the function.
- Raw material stock manager must be able to update the material card.
- Read only details cannot be updated by the raw material stock manager.
- Added material details can be deleted by raw material stock manager.
- Admin can view both the material card and the LMO card.
- Admin can download the reports for the inventory, LMO and reporting.
- Admin must be able to view all the material details.
- Order manager must be able to view the material card details.
- Production manager must be able to view the material card details.

- Order manager and the production manager must not be able to add, update or delete material card details.
- Material ID, LMO ID, and Report ID must be generated automatically.

2.1.4.1.2 Non-functional Requirements

Reliability

The raw material stock management function of this system was tested under normal conditions in multiple times and there were very less critical failures recorded. Tested this function for multiple and simultaneous tasks as adding material details to the material card, update the material card details. When performing these tests, the application faced some simple failures, and they were fixed by using some technologies.

Maintainability

If any component of the function critically failed, it can be easily fixed in a very short time of period through the architecture that I have followed when coding.

Availability

The function, raw material stock management will be available in any time when the entire web application runs in the browser and if it has a good network connection.

Performance

There are many data insertions in this function. For all the insertion there all the necessary validations are included. Only the correct data will be inserted to the system because of these validations. For those validations, many technologies were used and when testing some issues were performed. All those issues were fixed by using different technologies and made all the validations appropriate.

Usability

This function of this application is very easy and user friendly to use. People who are new for the technological world also can easily get through this function as well as this system as a overall.

Security

This function is about to add material details. Because of that it is not much necessary to give more focus on security of this function. Order ID and the Material ID are the two main unique components of this function and when updating, system not allows the manager to edit those details. Because of that the manager could not be able to edit those details despite the other details in the function.

Probability

This application was developed using react framework. Therefore, this web application can be hosted much easily on any java-based server. In the end of this year this application would be hosted in the HEROKU.

Compatibility

Casanova inventory control system was developed using the React JS framework. The data structure was done by using MongoDB database and for the connectivity used Node JS and Express JS. No SQL database used. Using Axios, implemented the system to transfer data using the hyperlinks. Because of the usage of React JS, it gives a good User experience. For all the validations, some NPM packages were used.

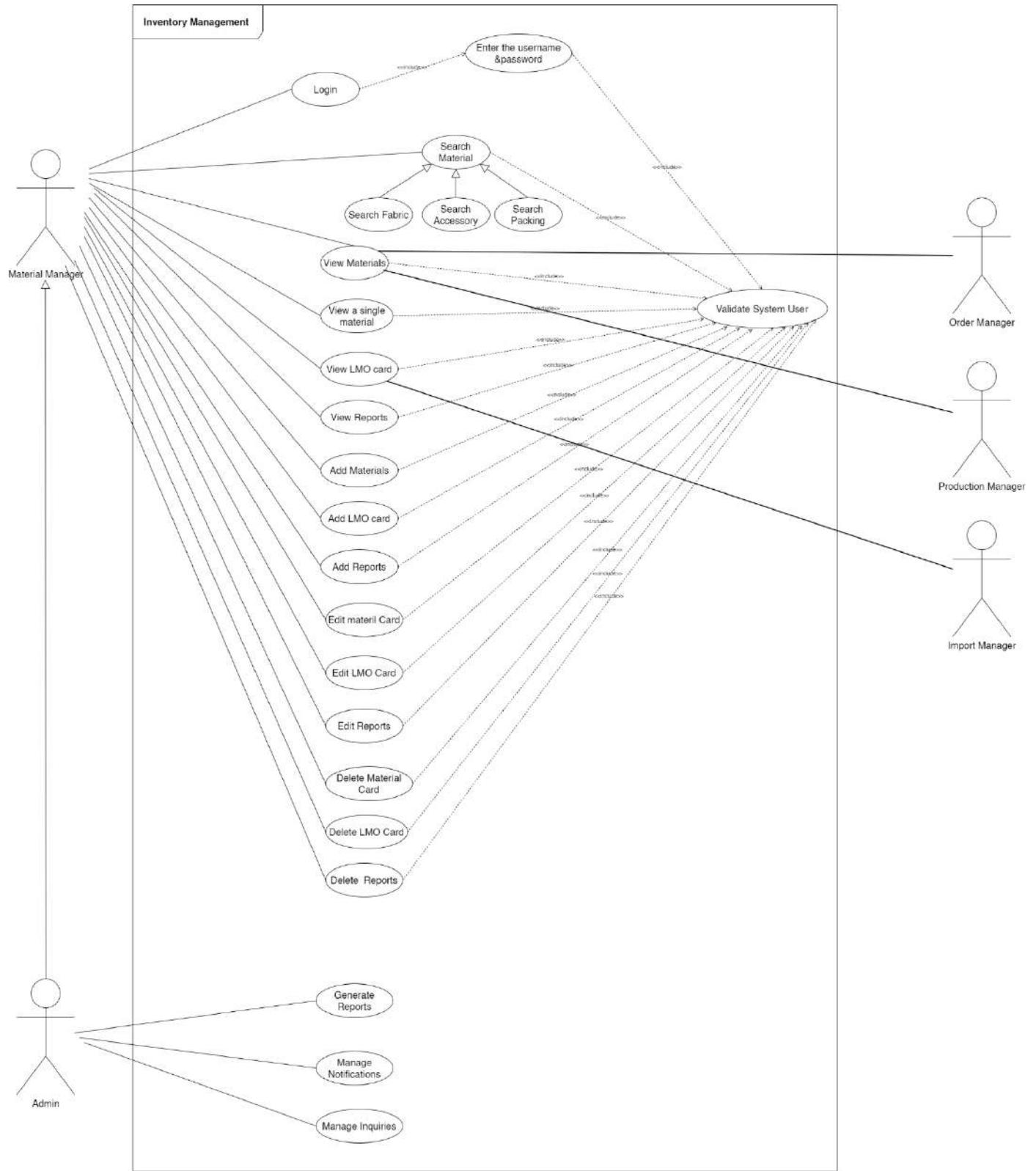


Figure 1 – Material stock management use case diagram

Activity Diagram of Material Stock Management

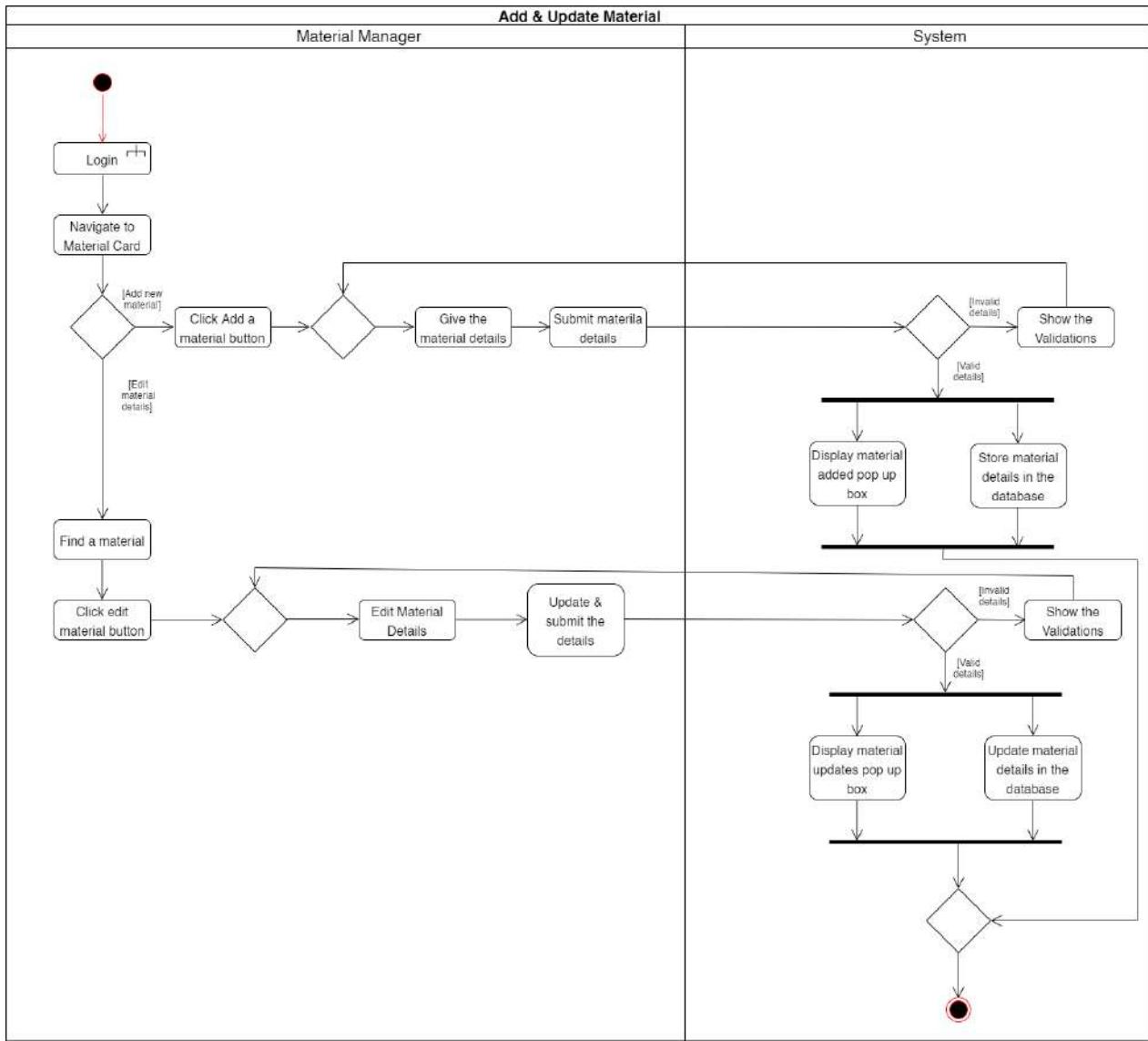


Figure 2 - Add & update material

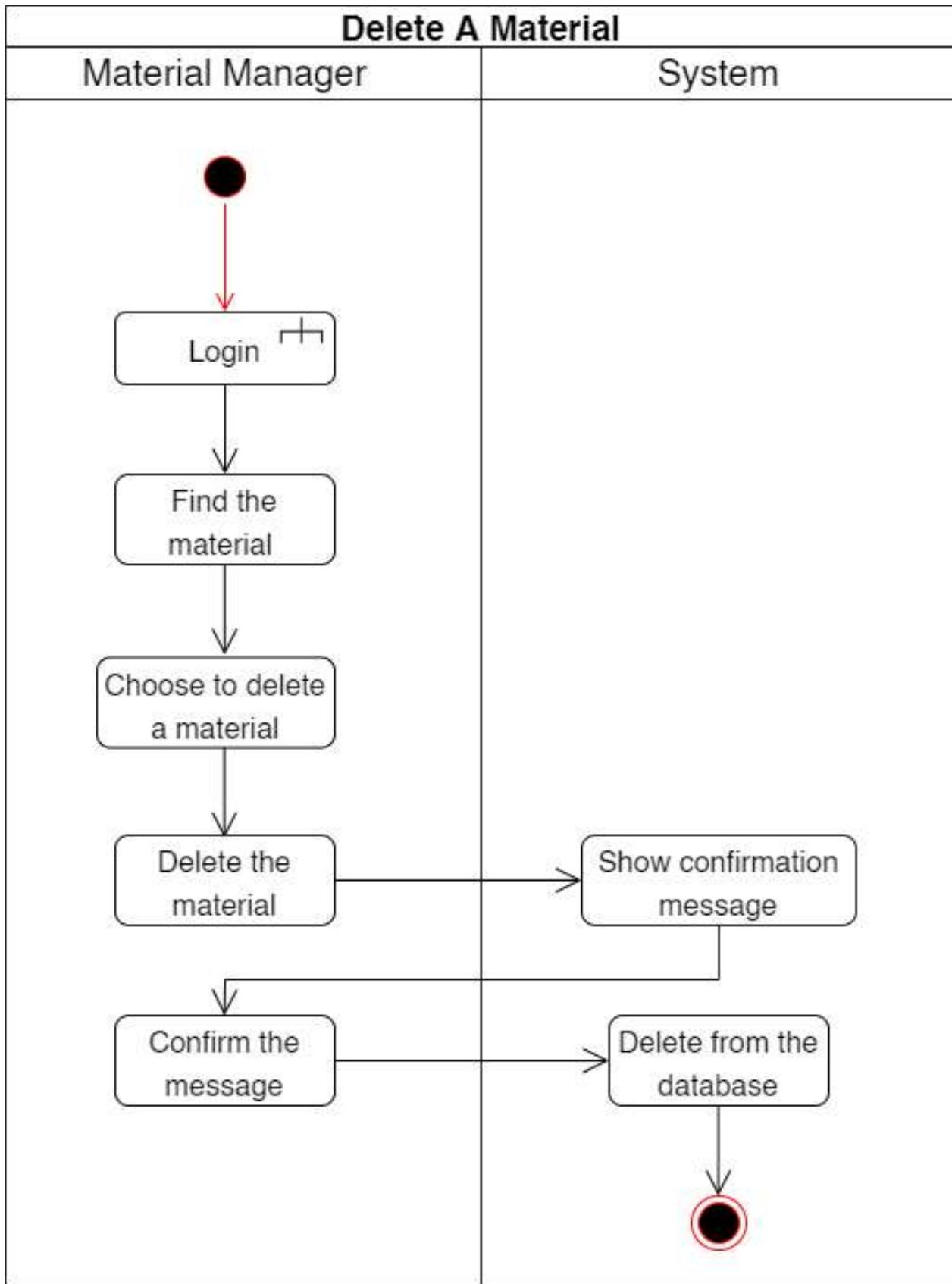


Figure 3 – Delete material

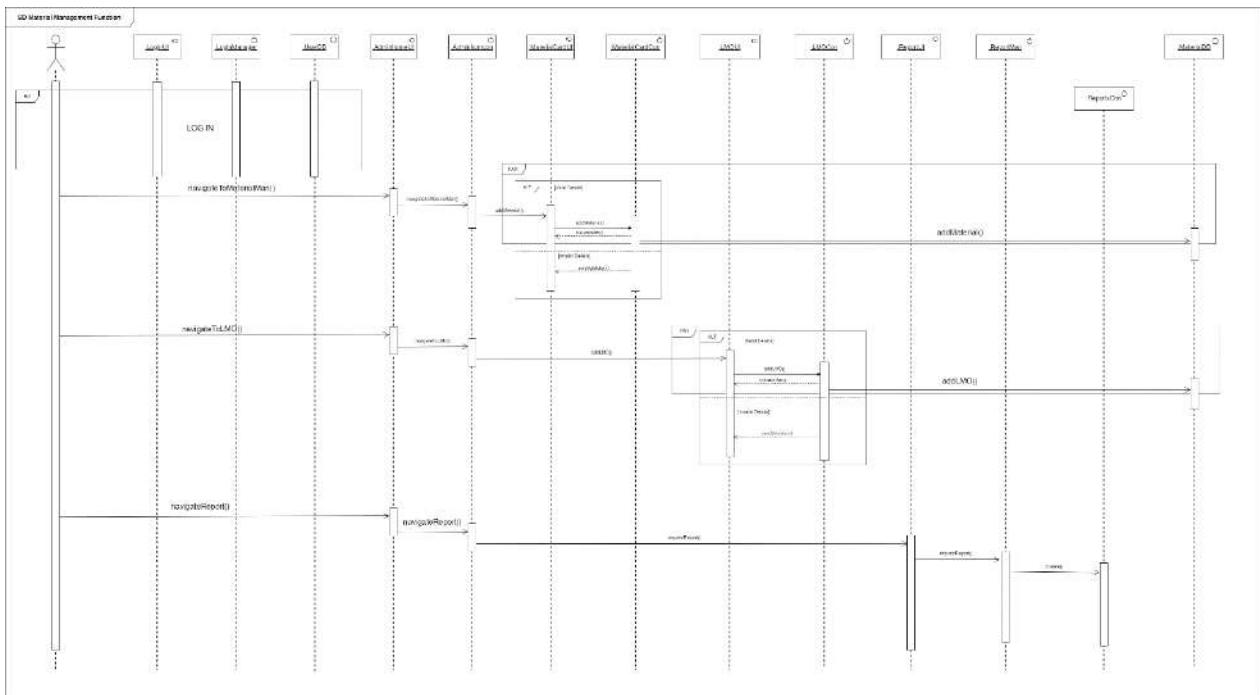


Figure 4 - Sequence Diagram for Material Stock Management

2.1.5 Import Management

(IT20203658 – A.M.K.B. Abeykoon)

All the shipments are handled by this import management function. All the shipments are under two categories, regular shipments and less material shipments. According to the orders import manager can place the regular shipments and also time to time import manager can ship less materials for the order. Other managers can access to the import management function. Import manager has the list of material details, quantity and supplier details for a specific shipment and he is the responsible person for all the shipments. After checking the raw material manager's details, import manager can place the shipment. All the transactions are done by account management function. All the transportations are done by transport management.

2.1.5.1 Functional and non-functional requirements of Import Management

2.1.5.1.1 Functional Requirements

- Import manager should be able to create new regular shipments and less material shipments.
- And also import manager can edit and delete specific shipment.
- When adding a new shipment following records are saved in the database.
 - Shipment ID
 - Material ID
 - Material Name
 - Supplier ID
 - Supplier Name
 - Quantity
 - Unit price
 - Date
- And all the field has proper validation.
- Unit price and date should be in valid format unless it generate error message.
- Date must be unique number unless we cannot submit shipment details to the database.
- When adding a new less material shipment following records are saved in the database.

- Ship ID
 - Supplier ID
 - Supplier Name
 - Material ID
 - Material Name
 - Quantity
 - Unit price
 - Date
- And all the field has proper validation.
- Unit price and date should be in valid format unless it generate error message.
- Date must be unique number unless we cannot submit shipment details to the database.
- We can't input future dates to date field.

2.1.5.1.2 Non-functional Requirements

- Performance
 - Generate report as pdf in one second.
 - Delete a record within one second.
 - Import manager can easily add regular shipment and less material shipment.
- Usability
- Maintainability
 - If any component critically failed, it can be easily fixed through the relevant ones, that I have followed within a short period of time.

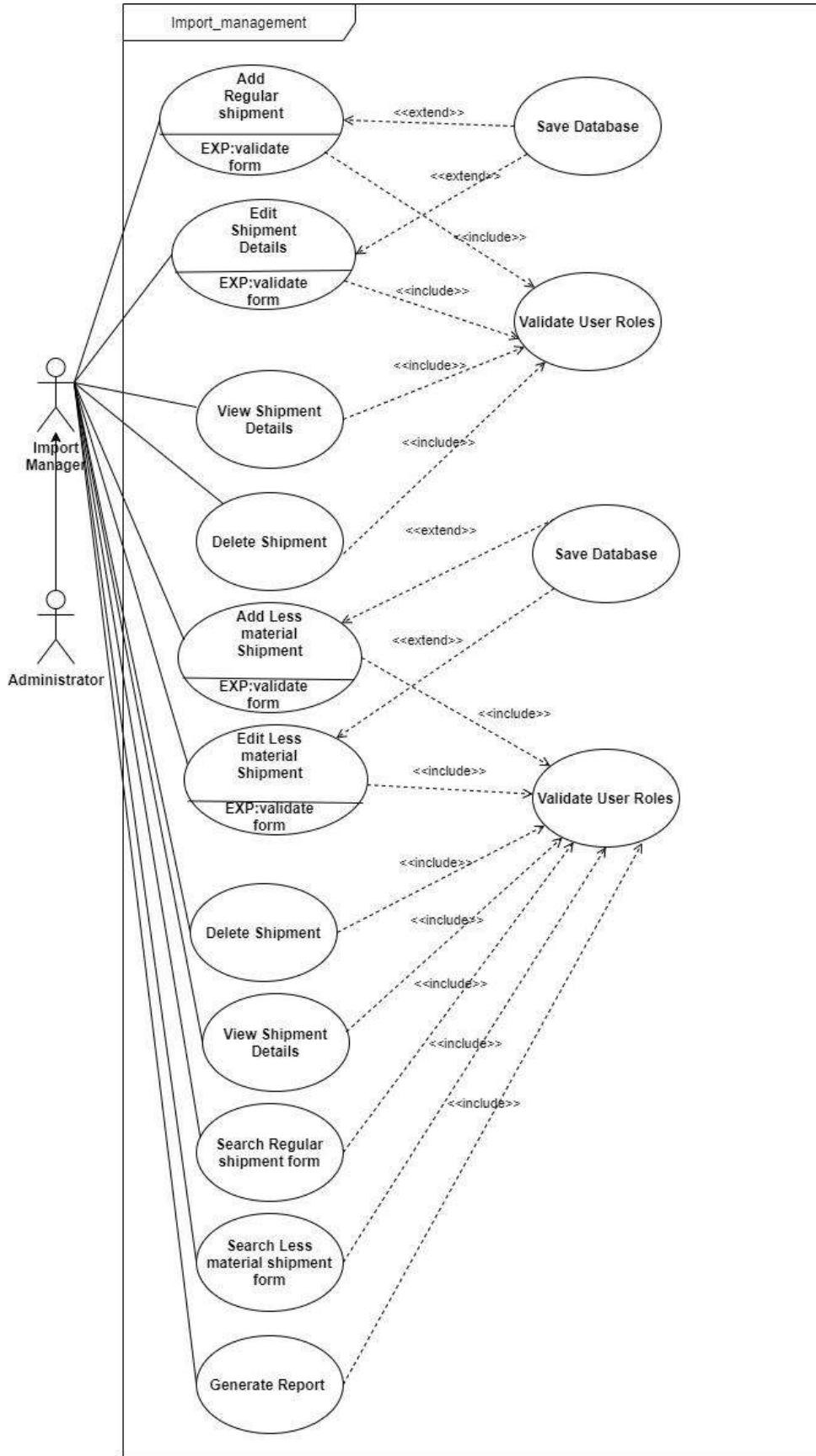


Figure 5 - Use case diagram for Import Management

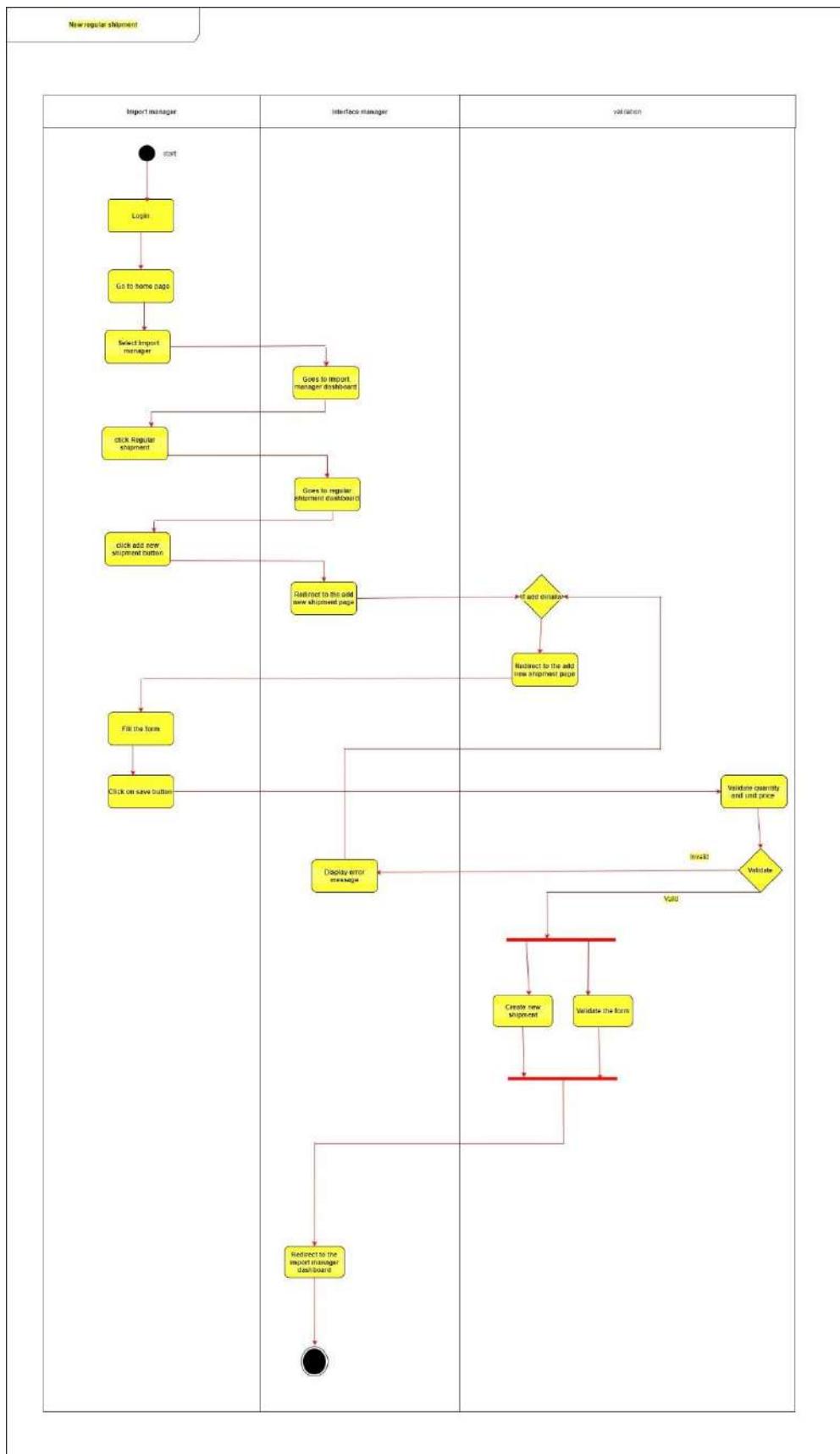


Figure 6 - Activity diagram for Import Management

2.1.6 Production Management

(IT20198640 – Fernando W.T.P.R.)

Manage all the production in the system. Production Management is the responsible person, who controls all production of the system. In the system have registered many garment factories, which owned by Casanova and some other outside factories and their different capacities. Before any Production is done, retrieve buyers' Orders from Order Management. While analyzing buyer's order, search any available garment factory which can produce according to the capacity of the order.

Then production is given to the selected factory. Before transport raw materials, calculations should be to identify what are the raw materials and how much needed to complete each order. To implement this operation use, Magic Tool. Magic Tool will identify what are the raw materials and calculate how much needed for each order. Then import, raw material details for Raw Factory Form and details are sent to the factory. Further data will be submitted to the system. Finally, while filling Raw Factory Form, generate a very important report. Regarding what are the raw materials, Production Management is sent for factories.

2.1.6.1 Functional and non-functional requirements of Production Management

2.1.6.1.1 Functional Requirements

- Production Manager should be able to register new factory to the system.
- When registering a new factory to the system, it should be record following details in to the database.
 - Factory Name
 - Factory Telephone
 - Factory Email
 - Factory Website
 - CEO Name
 - FCO Name
 - Products
 - Units
- Quantity and weight have, input types in number and it can't be a negative number also.

- Production Manager should be able to insert a product and quantity to the to the Magic Tool and take the output data as the quantity of fabrics, zippers and buttons that needed for quantity of the relevant product.

- Units should more than 1000 pieces.
- Production Manager should be able to view all the Factory Details.
- Production Manager should be able to edit the Factory Details.
- Production Manager should be able to delete Factory Details.
- Production Manager should be able to generate a report of raw factory details.
 - As a pdf format
 - As a excel format
- Production Manager should be able to view all the raw factory details.
- Production Manager should be able to edit the raw factory details.
- Production Manager should be able to delete raw factory details.
- Production Manager should be able to search any raw factory detail

By product category and also can search any factory by Factory Email category.

2.1.6.1.2 Non-functional Requirements

- Performance
 - raw factory details and factory details, retrieve within one second.
 - Generate report as pdf or excel in two seconds.
 - When start the application home comes within 12 seconds.
- Maintainability
 - If any component critically failed, it can be easily fixed through the relevant ones, that I have followed within a short period of time.

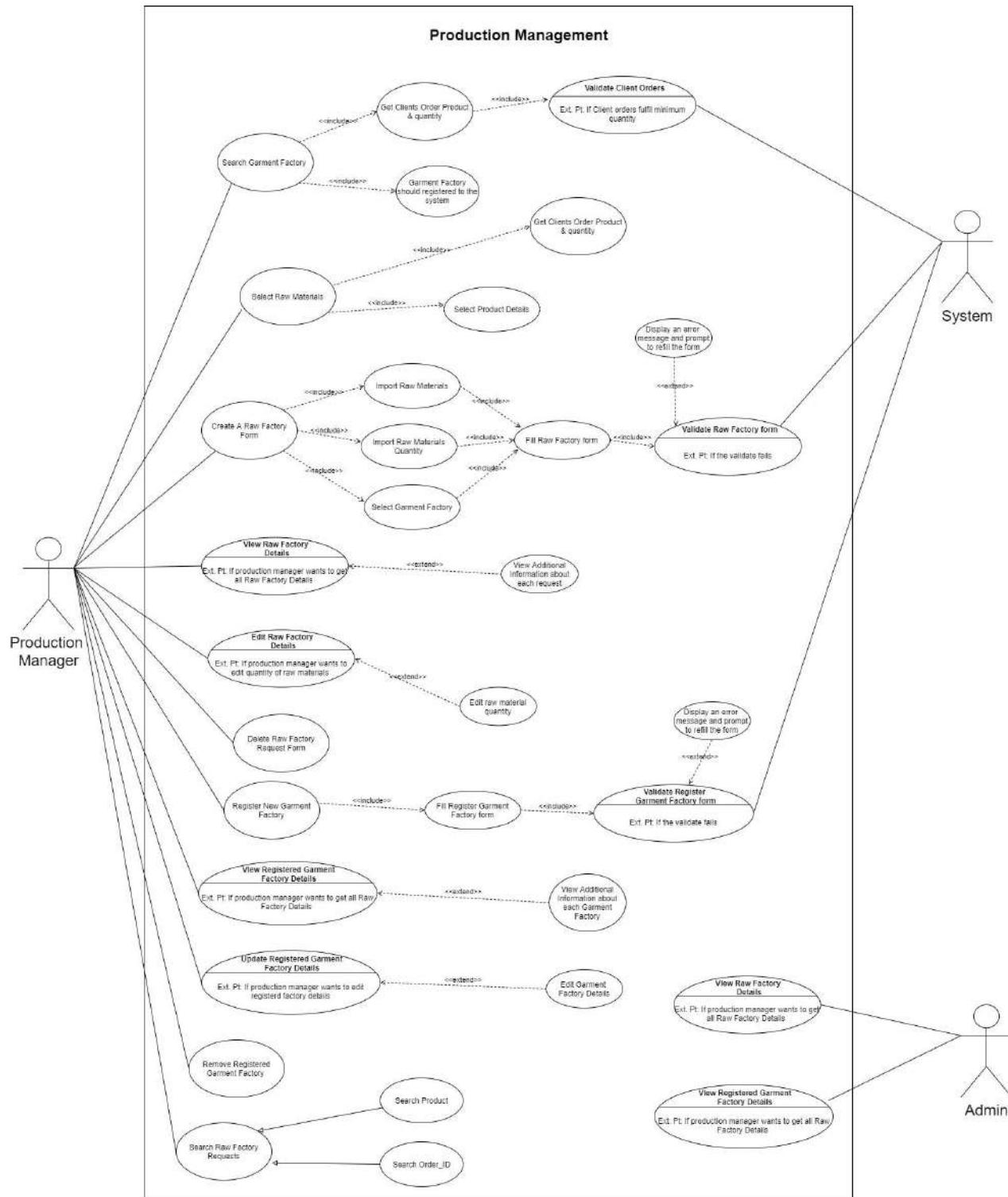


Figure 7 - Use case Diagram for Production Manager

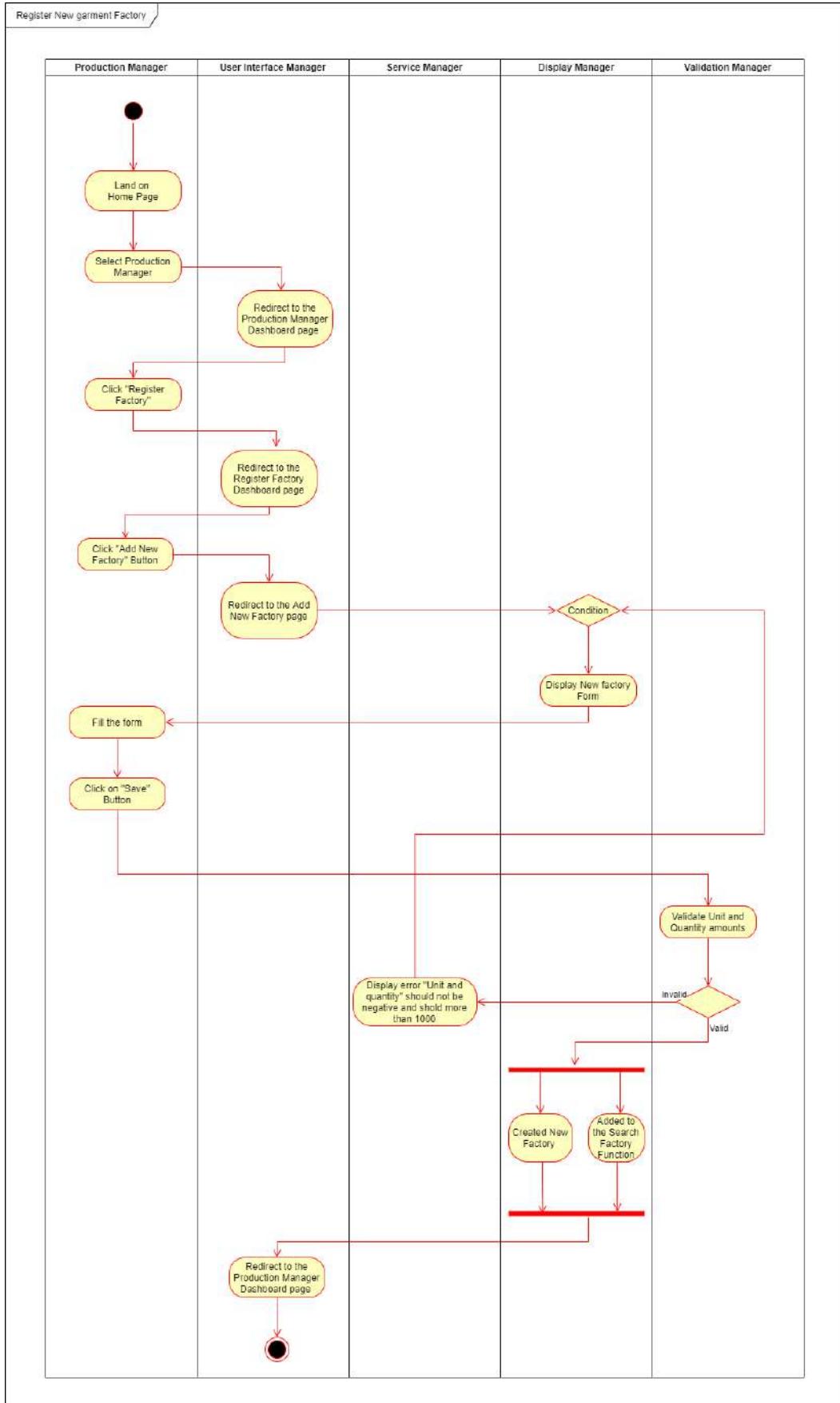


Figure 8 - Activity Diagram for Production Manager

2.1.7 Quality Check Management

(IT20109530 – Malluwawadu K.T.)

Quality check manager must be able to add, update, retrieve, and delete all the check card details. The defect card details must be added, updated, retrieved, and deleted by the quality check manager. Both the check card and the defect card must be viewed by the admin and the defect card can be viewed by the production manager. Quality check manager must be able to login to the system as a manager and logout from the system.

- Admin must not be able to make changes (add, update or delete) for any form.
- Admin can only view the defect card and the check card.
- Admin must be able to download the reports and view them.
- Production manager must be able to view the defect card details.
- Production manager must not be able to edit, add or delete defect card details.

2.1.7.1 Functional and non-functional requirements of Quality Check Management

2.1.7.1.1 Functional Requirements

- Quality check manager must be able to login to the system and logout from the system.
- Quality check manager must be able to add the quality checked products details to the check card.
- Quality check manager must not be able to give minus numbers as the quality rate.
- Order ID and the buyer ID must not be exceed the length of six.
- Order ID and the Buyer ID should not be edited by quality check manager.
- Quality check manager must be able to add details to the defect card.
- Quality check manager must be able to update the check card details.
- Quality check manager must be able to delete the check card details.
- Quality check manager must be able to download the reports in both PDF and excel.
- Admin must be able to download the reports in both PDF and excel.
- Admin must be able to view the check card details.
- Production manager must be able to view the defect card details.
- Defect card must not have minus values. System shows error messages if it is minus values.
- Defect card only allows numerical values.

- Check card fields must be filled with correct details. Cannot keep spaces. System shows error messages if it fields are empty.

2.1.7.1.2 Non-functional Requirements

Reliability

Reliability of this function is very important when it comes to the rate of the quality checked products. Quality check manager always responsible to add the exact percentage of the quality checked products rate into the check card. Defect card details also reliable because it all includes into a separate form and sending to the production manager to view them and take necessary steps according to those defect details.

Maintainability

With the code structure which followed when coding makes everything easier. If it occurs errors in the system, with indentations, comments and the code architecture it is easy to anyone to make changes to the code without being stressed.

Availability

Quality check management function will be available in anytime where the web application is up and running in a browser with a good network connection.

Performance

Quality check function was tested for multiple times. In the report generation part, there were some errors occurred. And lately all those errors were fixed by using some technologies. Adding, updating and delete operations can be done in two seconds and the navigation also taking only three to four seconds. Overall system runs quickly and loads quickly when having a proper network connection.

Usability

Can be operated by any person easily with less training period and average knowledge on the computers. This function and the overall system was built very user friendly manner.

Security

Quality check management function does not have any payments to be done inside the function. because of that the security is not much important for this function comparing to the functions which includes payments procedures. But, the people who can access the function was restricted. Manager needs to log in to the system by using their credentials and the admin also needs to have their credentials. Order ID and the Buyer ID is in read only method. Because of that no one can edit those details once it entered as a check card to the system.



Figure 9 - Use case diagram – Quality Check Management

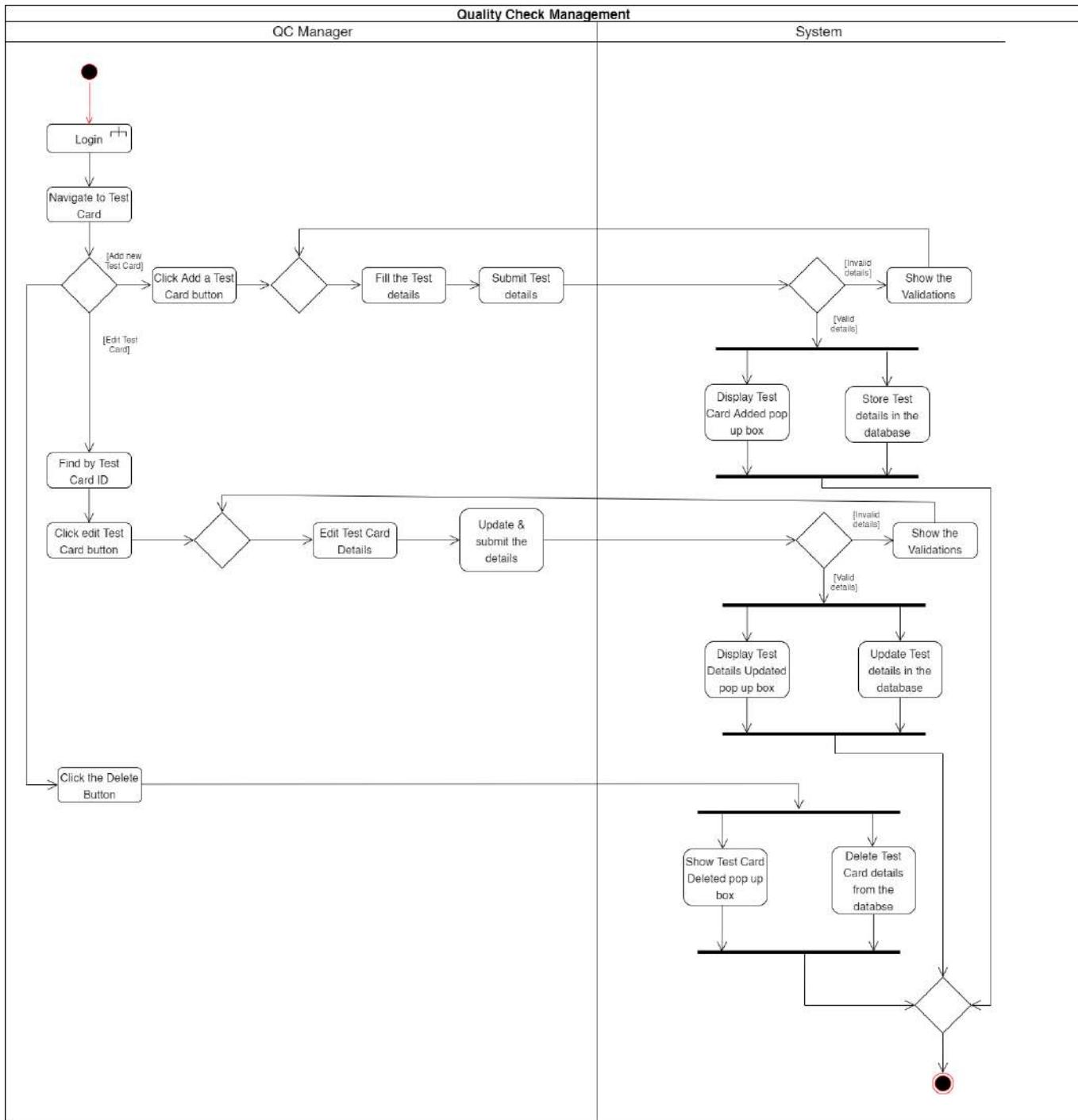


Figure 10 - Activity Diagram of Material Stock Management

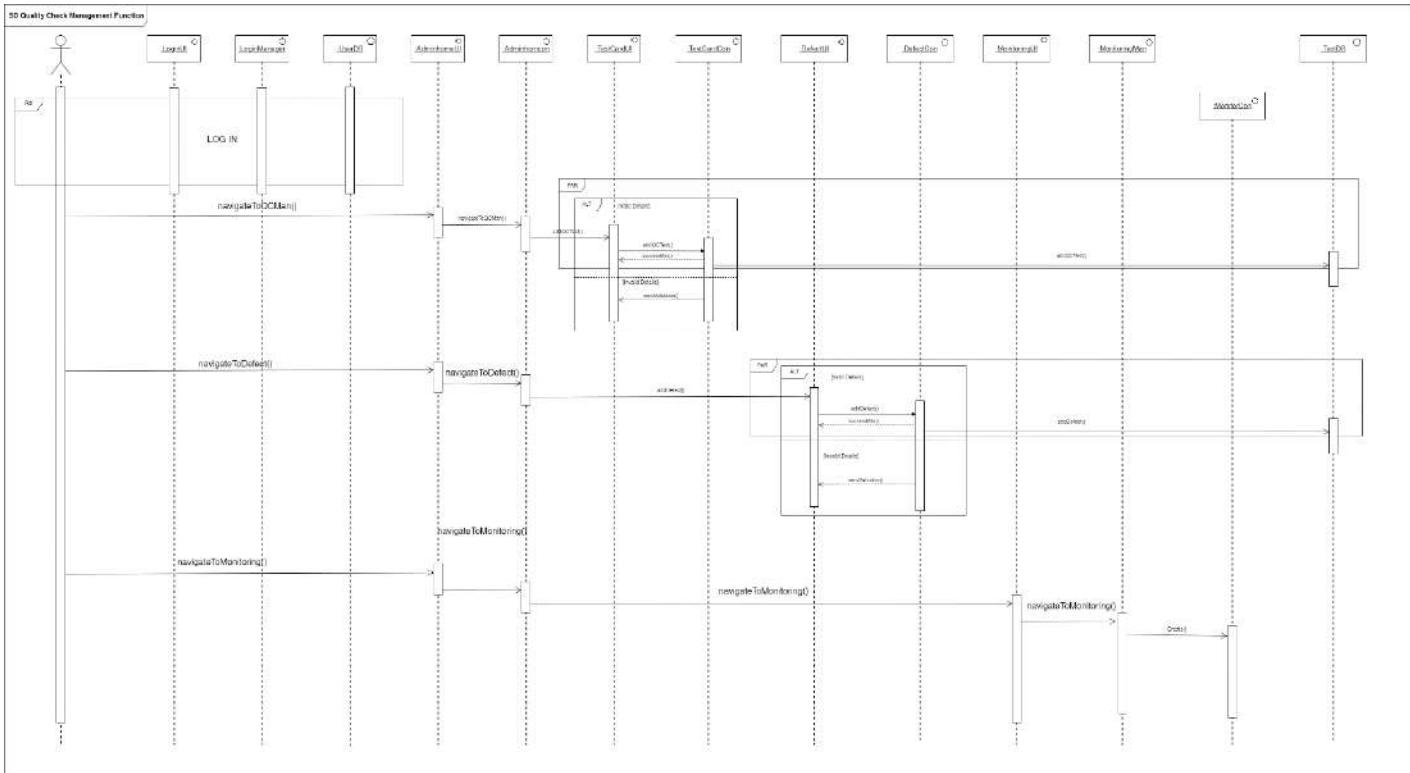


Figure 11 - Sequence Diagram for Quality Check Management

2.1.8 Ready-made Stock Management

(IT20244484 – Dhanushanka A.K.L.)

In this function we store and view the driver schedule and vehicle schedule for transport the final product to the buyer. In here, after the quality check, we create the packing form according to buyer requests. Then all the orders are line up in our Warehouse. So Readymade manager can add, view, edit or delete any packing form. Readymade manager can search any packing form by using category. After the packing form Readymade manager check the transport schedule. In their manager decide which driver goes to which vehicle and which vehicle pick up which order. So finally, by the reporting category, Readymade manager can generate a report in packing forms as a pdf format and excel sheet too. In there also manager can search any form by category and due date.

2.1.8.1 Functional and non-functional requirements of Ready-made Stock Management

2.1.8.1.1 Functional Requirements

- Ready Made Manager should be able to add New packing forms to the system.
- When adding a new packing form system should be record following details into the database.
 - Customer name
 - Category
 - Payment status
 - Quantity
 - Weight
 - Due date
 - Address
- Quantity and weight have, input types in number and it can't be a negative number also.
- Weight should not more than 100kg.
- Readymade Manager should be able to view all the packing forms.
- Readymade Manager should be able to edit the packing forms.
- Readymade Manager should be able to delete a packing form.
- Readymade Manager should be able to generate a report
 - As a pdf format

- As a excel format
- Readymade Manager should be able to search any packing form by category and also can search any report by category and due date.
- Readymade manager should be able to read the driver schedule and vehicle schedule.

2.1.8.1.2 Non-functional Requirements

- Performance
 - Packing form retrieve within one second.
 - Generate report as pdf or excel in two seconds.
 - When start the application home comes within 12 seconds.
- Usability
- Maintainability
 - If any component critically failed, it can be easily fixed through the relevant ones, that I have followed within a short period of time.

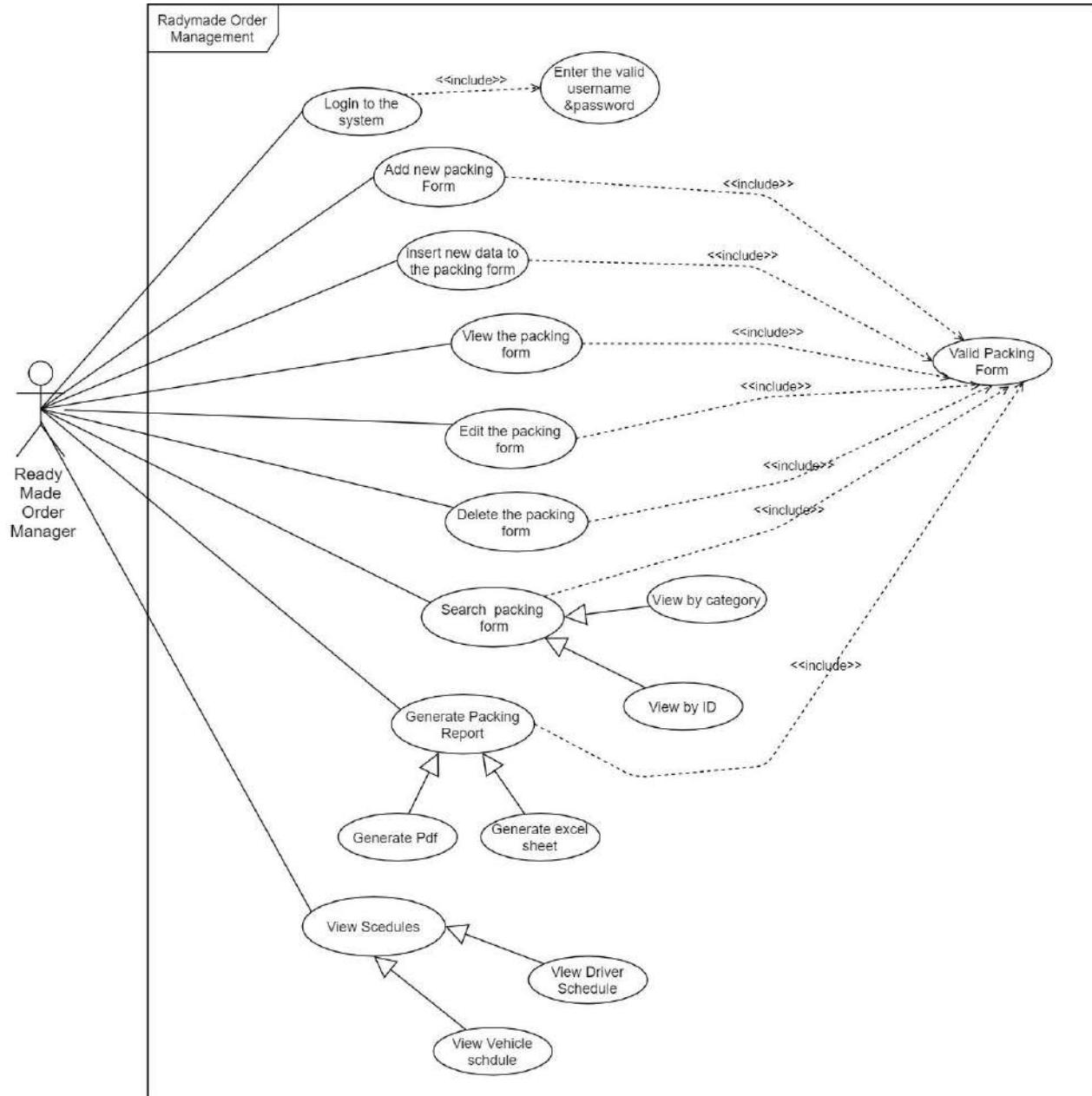


Figure 12 - Use case Diagram for Readymade Management

Add New Packing Form

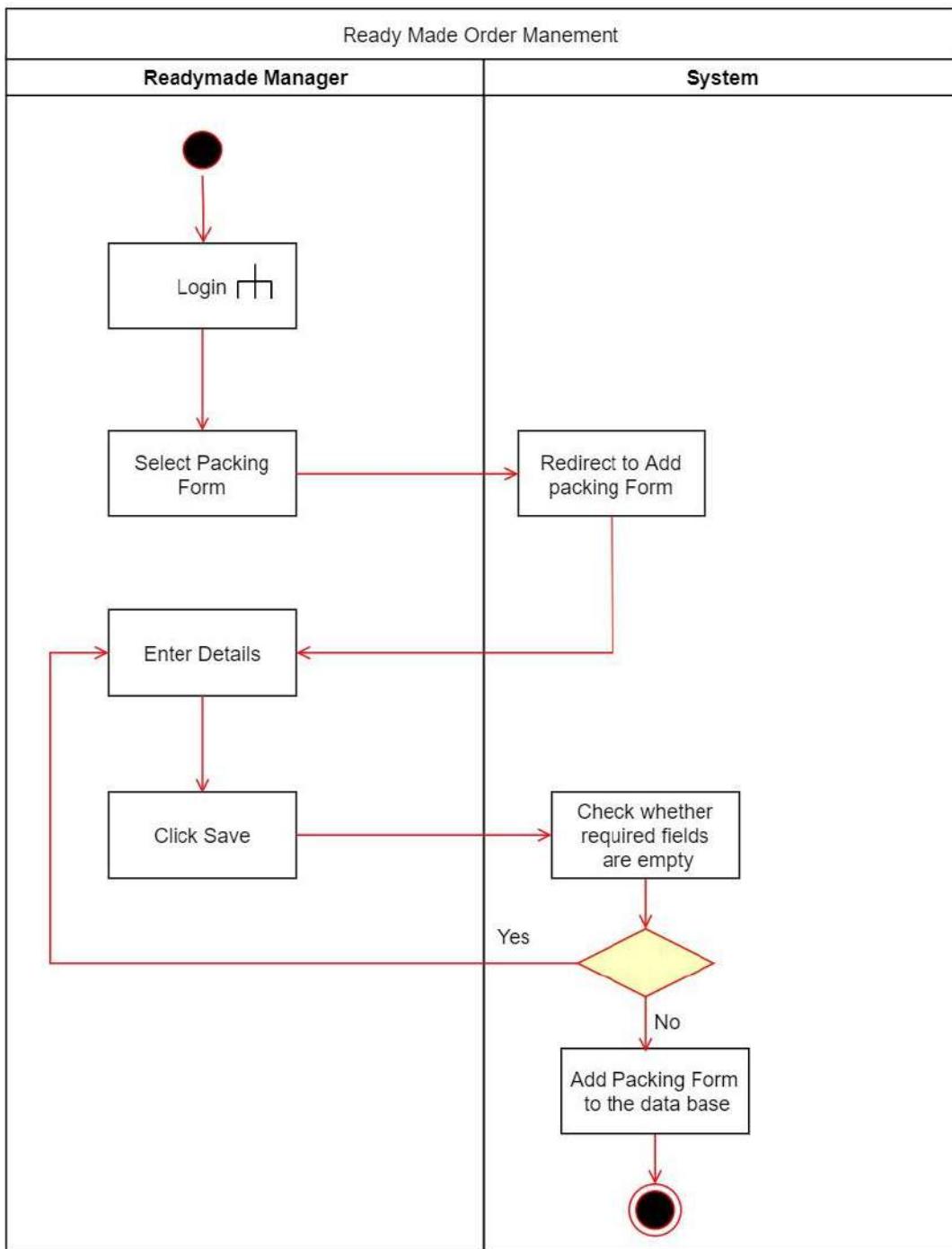


Figure 13 - Activity Diagram for Adding new package in Readymade Management

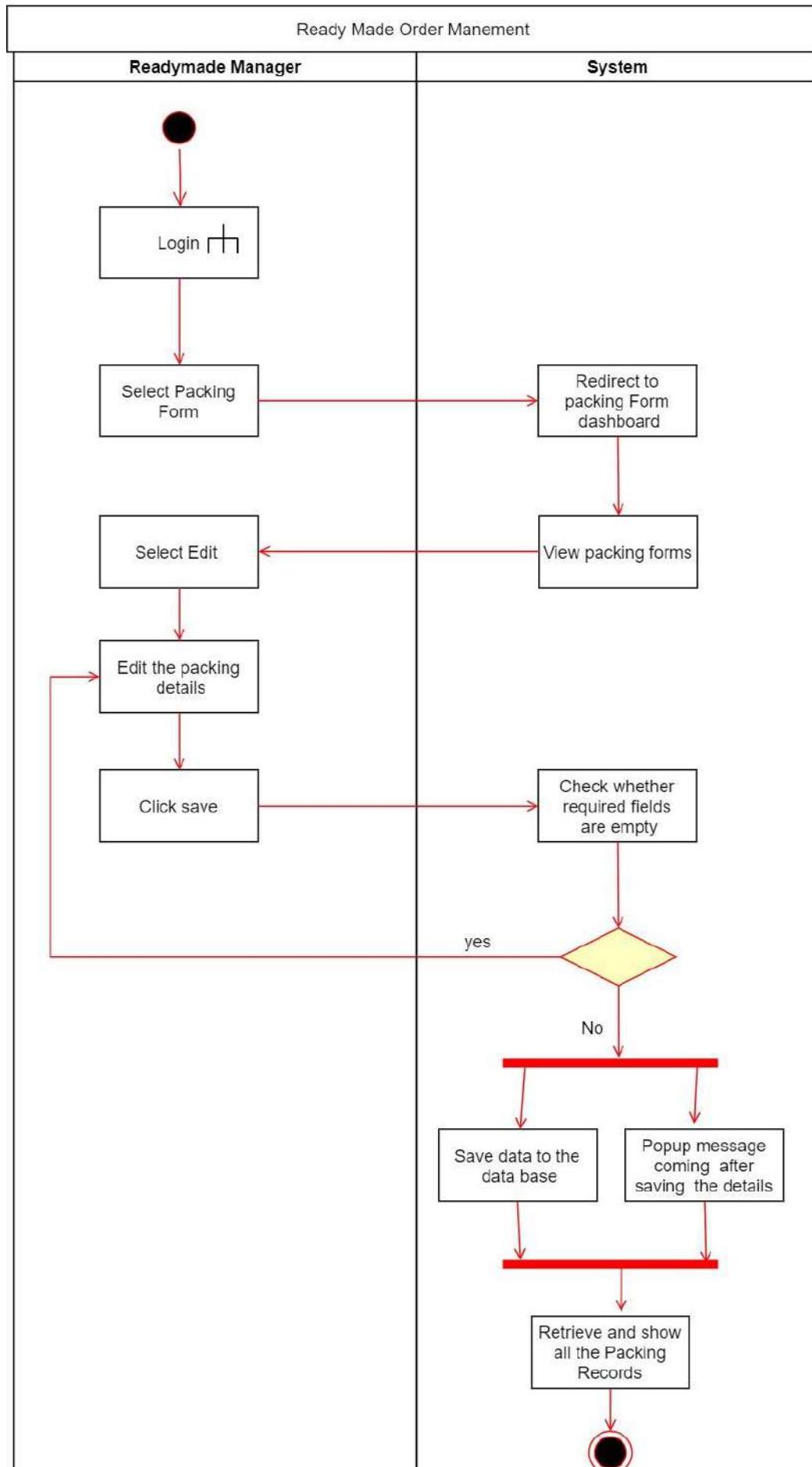


Figure 14 - Activity Diagram for edit packing form records in Readymade Management

Delete Packing Form Records

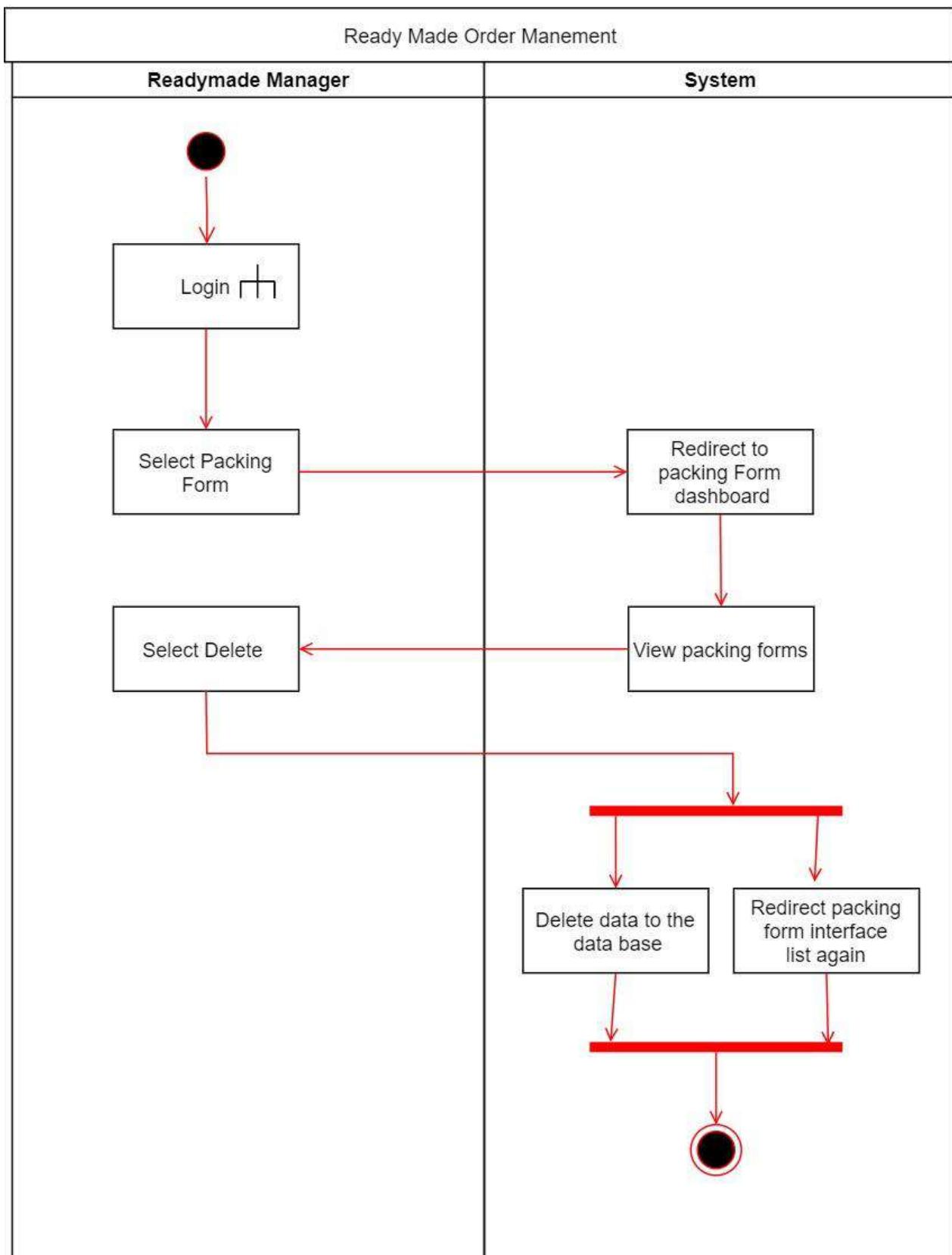


Figure 15 - Activity Diagram for delete packing form records in Readymade Management

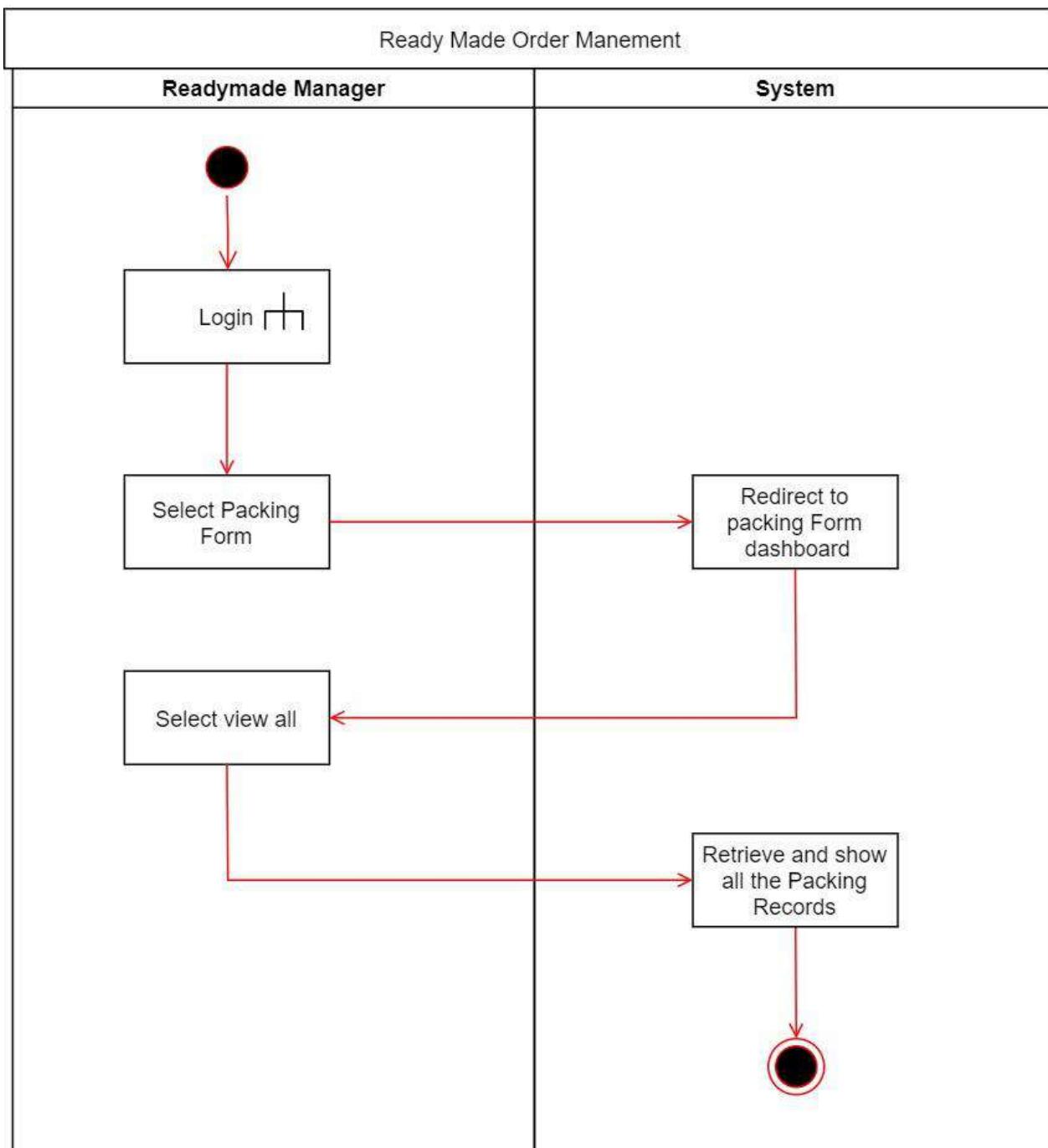


Figure 16 - Activity Diagram for view packing form records in Readymade Management

Generate Packing Form Report

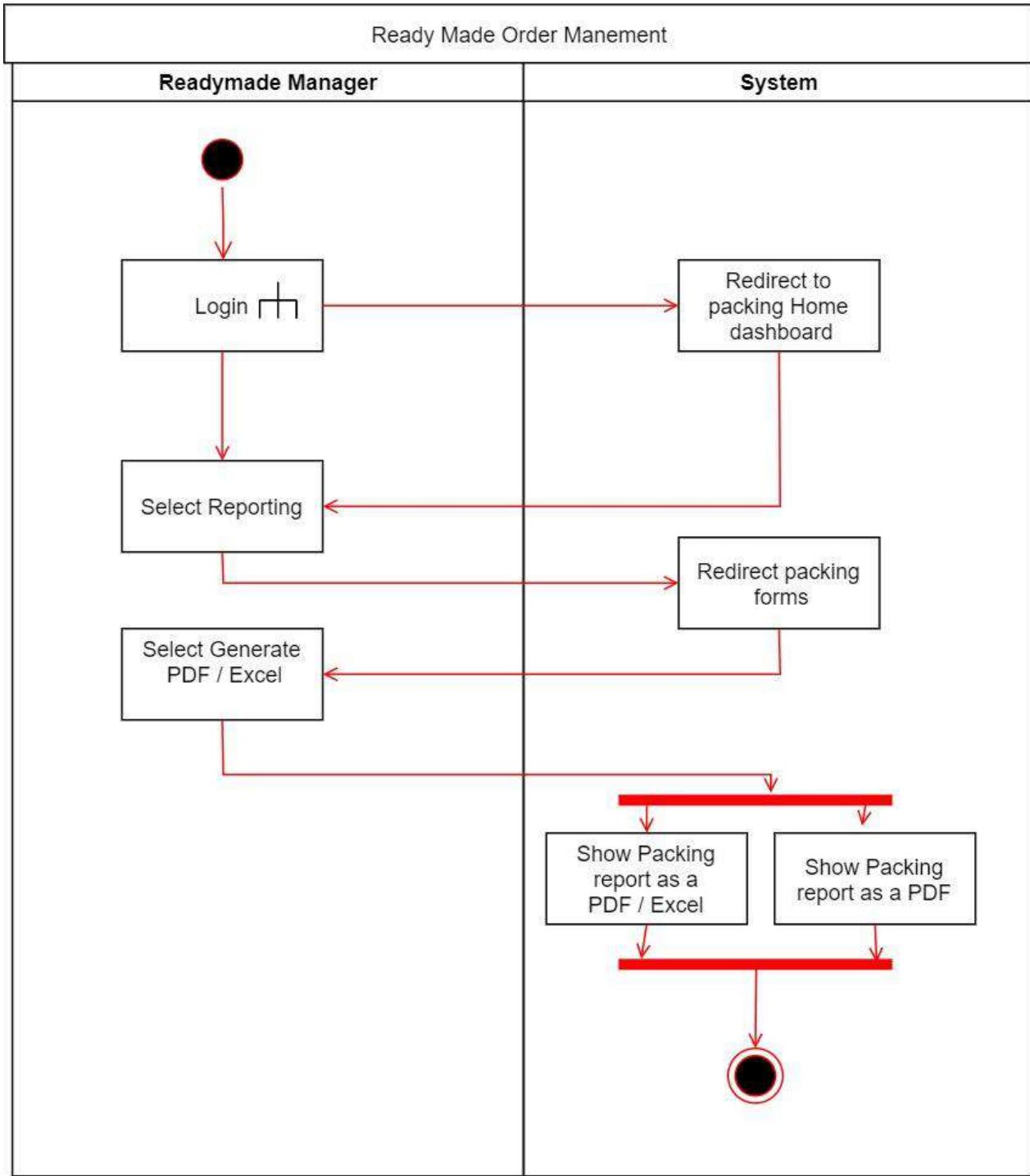


Figure 17 - Activity Diagram for generate packing form report in Readymade Management

2.1.9 Transport Management

(IT20067342 – Jayasuriya J.A.D.A.S.)

In this function all the major activities are managed by transport manager. All the transports are done by own vehicles of company. All the Imported stuffs are updated under stock manager's super-vision and stocks are transported to the garments by own vehicles of company. Transport Manager arranges schedules for transportation. And Transport manager has updated record of available and not available vehicles according to relevant schedules. Other managers also can access to the transport schedules which is arranged by transport manager. Transport manager has list of all the vehicle details, driver details and also, he is the responsible person for above records behalf of the company. Only transport manager has permission to change those records. After fulfilling the order, all the readymade items are handed over to production manager to check quality. All the readymade items are transported to the salesperson. All the managers can get an idea about availability of vehicles and drivers by looking at transport schedule which is updated by transport manager. And also, other managers have permission to access to see driver list and vehicle list. But other managers do not have permission for add, edit or delete any of these records. And also, they do not have permission to make schedules.

2.1.9.1 Functional and non-functional requirements of Transport Management

2.1.9.1.1 Functional Requirements

- Transport Manager should be able to add new drivers and vehicles.
- And also transport manager can edit and delete specific driver and vehicle.
- When adding a new driver following records are saved in the database.
 - Driver Name
 - Driver NIC
 - Age
 - Address
- And all the fields have proper validation.
- NIC number should be in valid format unless it generates error message.
- NIC must be unique number unless we cannot submit driver details to the database.
- When adding a new vehicle following records are saved in the database.

- Vehicle Registration Number
 - Engine Number
 - Brand name
 - Manufacture year
- And all the field has proper validation.
- Registration Number should be in valid format unless it generates error message.
- Registration Number must be unique number unless we cannot submit vehicle details to the database.
- We cannot input future dates to manufacture year.

2.1.9.1.2 Non-functional Requirements

- Performance
 - Vehicle form retrieve within one second.
 - Generate report as pdf in two seconds.
 - Transport manger can easily add driver and vehicles to the schedules
- Usability
- Simplicity of the UIs
- Maintainability
 - If any component critically failed, it can be easily fixed through the relevant ones, that I have followed within a short period of time.

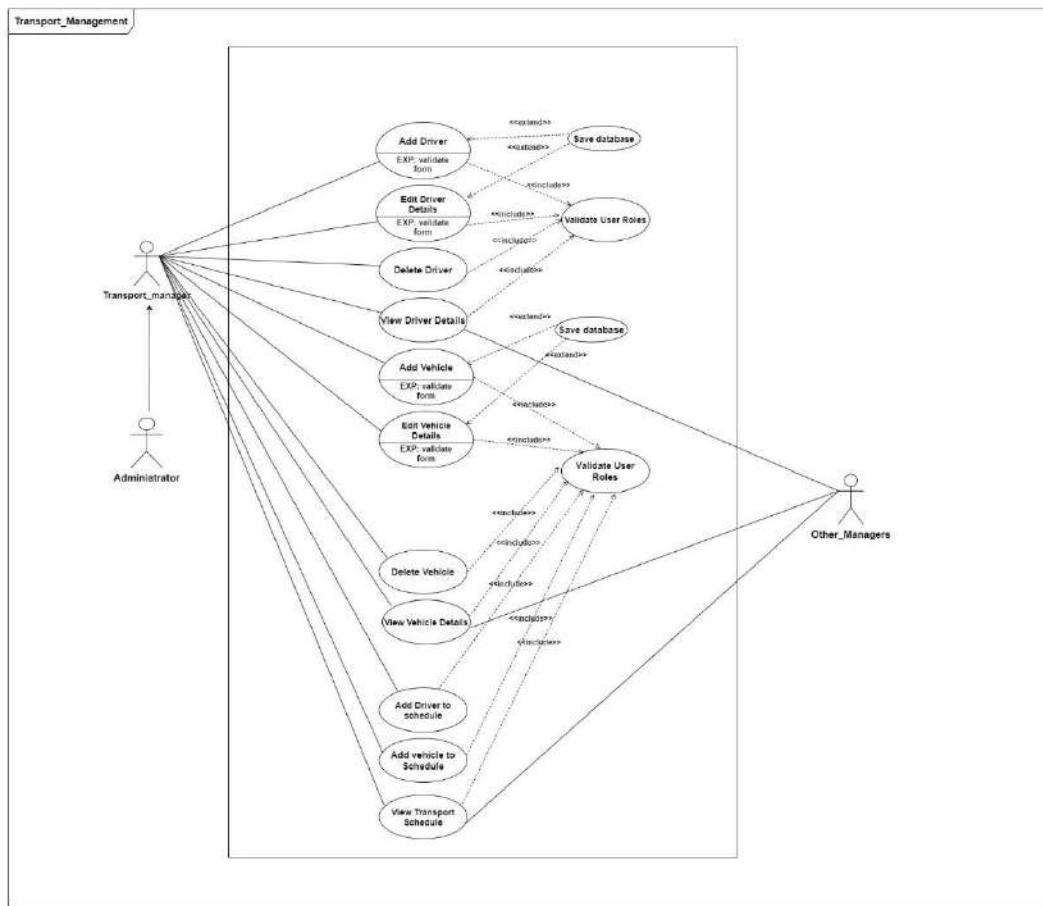


Figure 18 - Use case Diagram for Transport Management

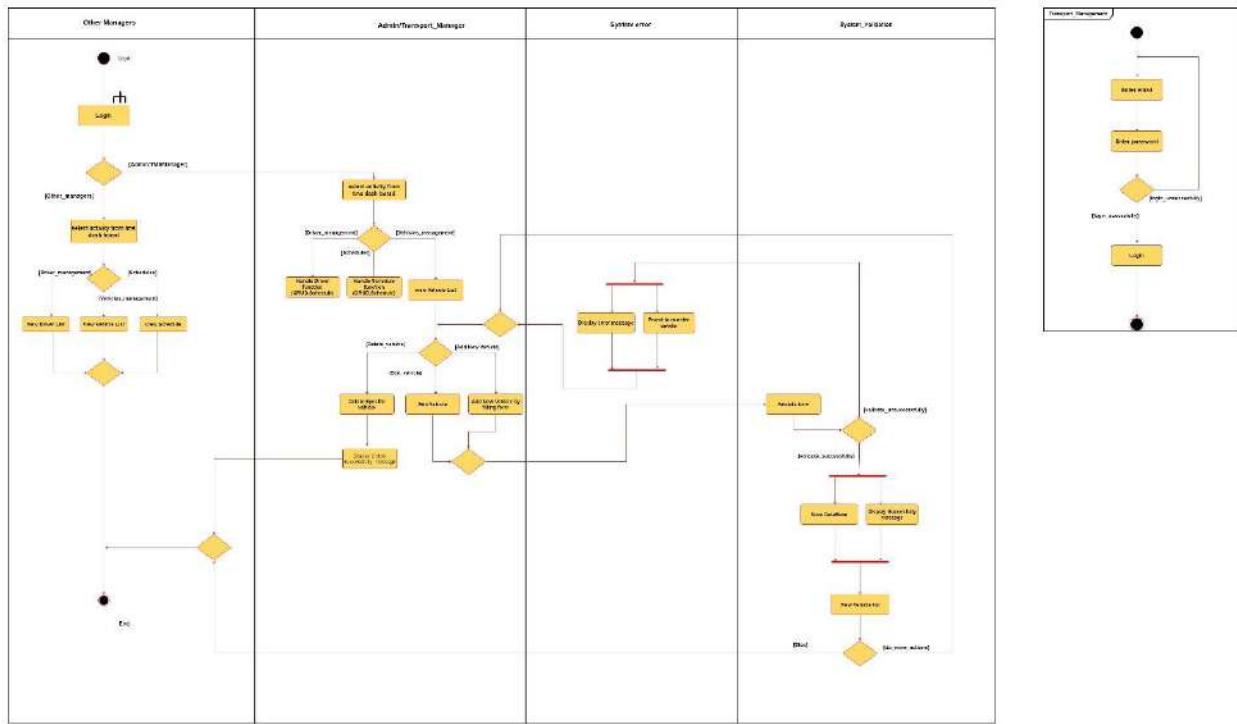


Figure 19 - Activity Diagram for Transport Management

2.1.10 Account Management

(IT20185220 – Hewage H.K.P.)

Under account management very first it is required to retrieve the payment details of other functions which have been categorized into 3 journals. They are sales journal, purchase journal, general journal. Account manager will be able to calculate the profit of the particular order by using the above details. Here add, view, edit and delete operations can be used as needed. Further, search operations also can be used as needed by the customer's name, customer status or order ID. Accounting reports can be generated for all transaction history or by searching any order id or filtering the customer's status. Account manager is required to present suggestions and recommendation for the company further development and growth. Here also add, view, edit and delete operation can be used here as needed. The administrator can view all the task in account management.

2.1.10.1 Functional and non-functional requirements of Account Management

2.1.10.1.1 Functional Requirements

- Account manager should get the categorized payment details from other functions.
- Account manager should add new account details to the system.
- Account manager should be able to calculate profit using system.
- When adding a new account details the system should be recorded following details into the database.
 - Order id
 - Customer name
 - Customer status
 - Purchase journal
 - Sales journal
 - General journal
 - Other
 - Profit
- Account manager should be able to view all previous added account details.
- Account manager should be able to view any particular account details by using order id
- Account manager should be able to edit any account details.

- Account manager should be able to delete any account details.
- Account manager should be able to generate a report by using the system.
- When generate the report account details, the system will be able to generate report as following methods.
 - Generate a report for all account details
 - Generate a report by searching selected order ID
 - Generate a report by searching selected customer name
 - Generate a report by filtering selected customer status.
- Account manager should be able to download the report as a pdf or as an excel sheet.
- When search account details the system should be display result following methods
 - Search account details by selected order ID
 - Search account details by selected customer name
 - Search account details by selected customer status
- Account manager should add new future plan to the system
- When adding a new future plan the system should be recorded following details
 - Plan
 - Section
 - Requirements
 - Description
 - Time period
- Account manager should be able to view all previous added future plan details.
- Account manager should be able to view any particular future plan details.
- Account manager should be able to edit, delete any account details.
- When search account details the system should be display result following methods
 - Search future plan details by selected plan
 - Search future plan details by selected section
 - Search future plan details by selected time period
- Administration should be able to view all task in account management function.

2.1.10.1.2 Non-functional Requirements

- Performance

- All Account details list retrieve within one second

- Generate report with colorful interface

- Add data to database within one second

- Usability

- Less training period for users.

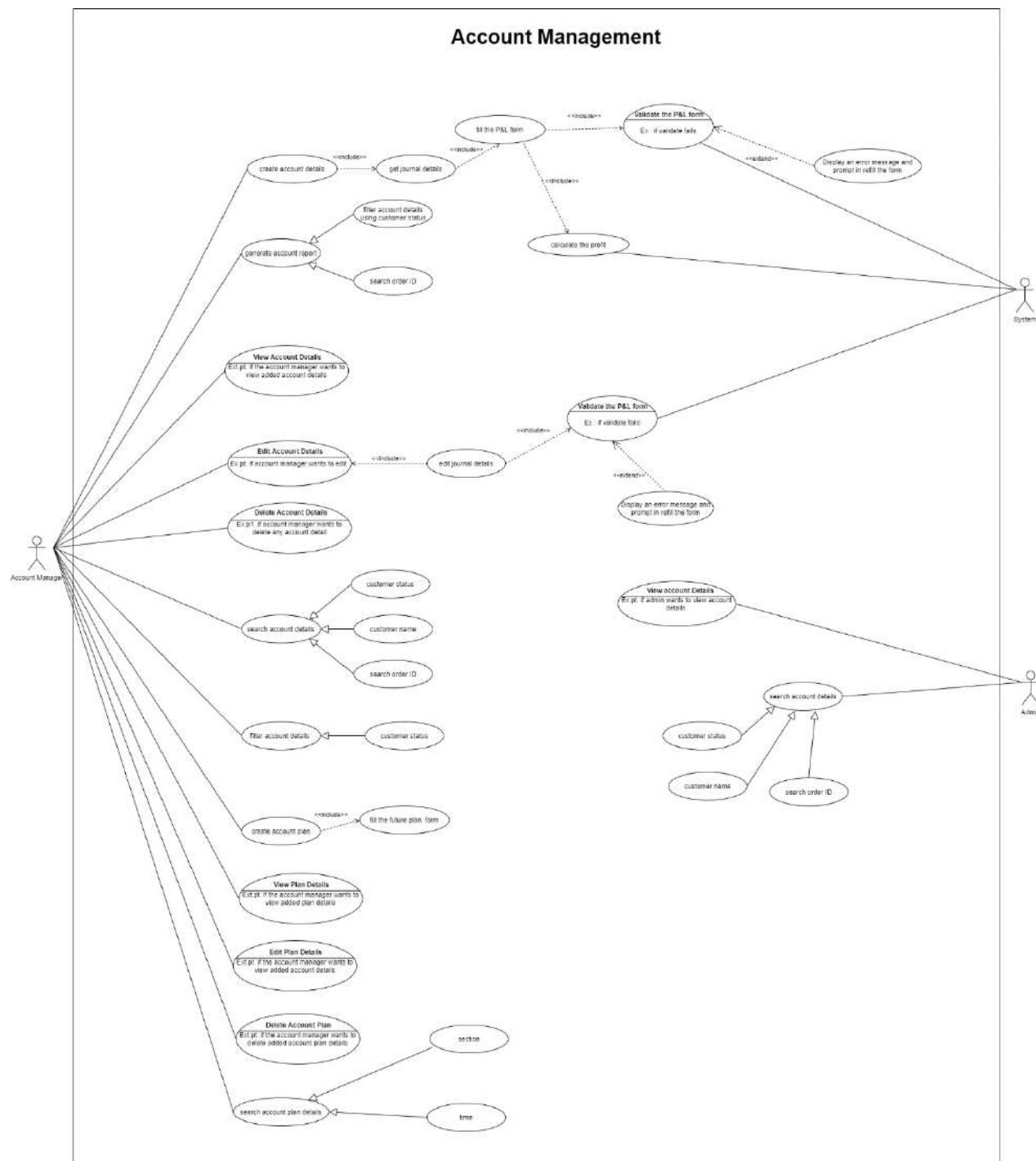


Figure 20 - Use case Diagram for Accounts Management

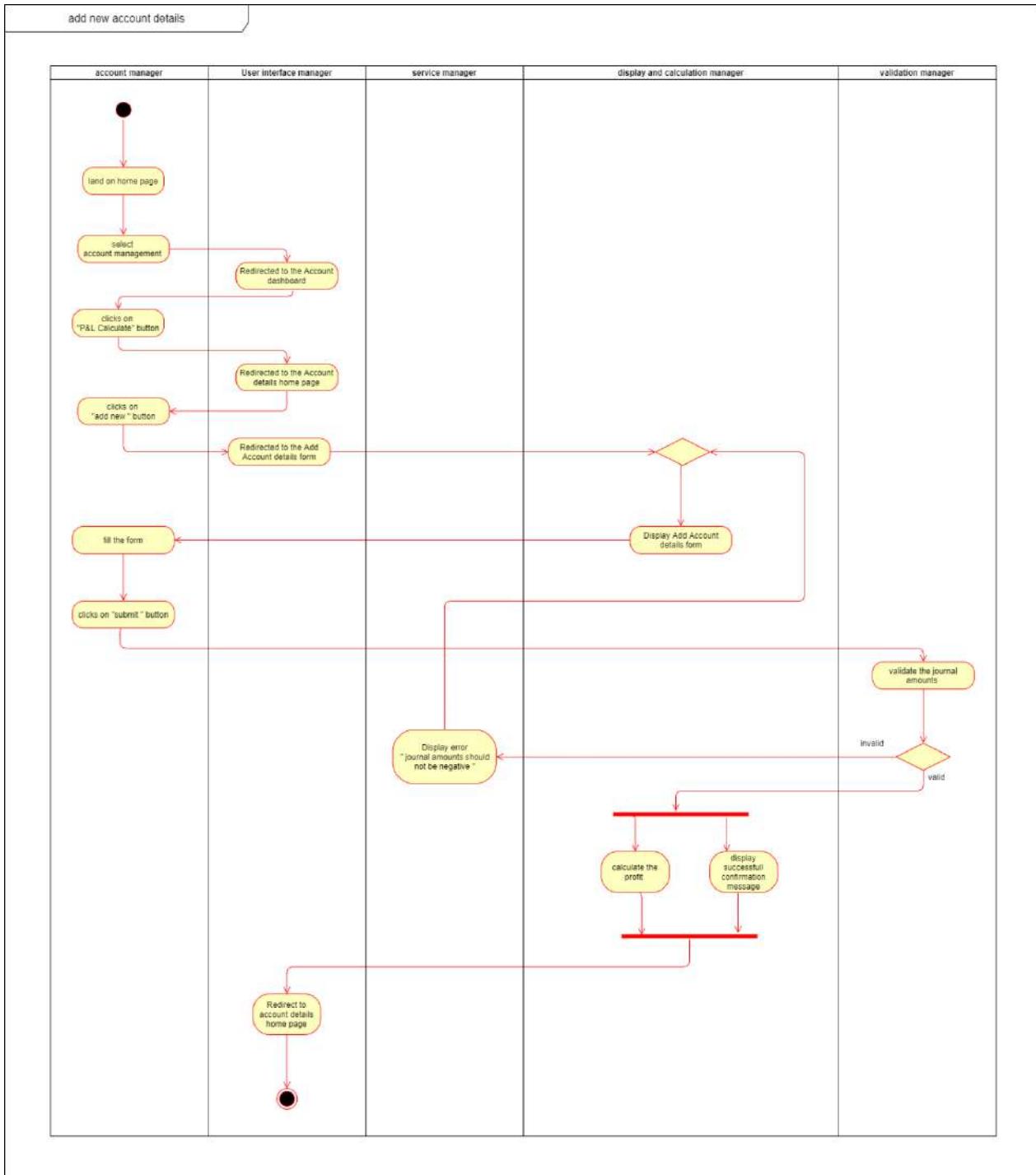


Figure 21 - Activity Diagram for Accounts Management

2.2 Design

Designs will be discussed with the aid of the class diagram and Entity Relational diagram. User interfaces are included in the respective sections for each function.

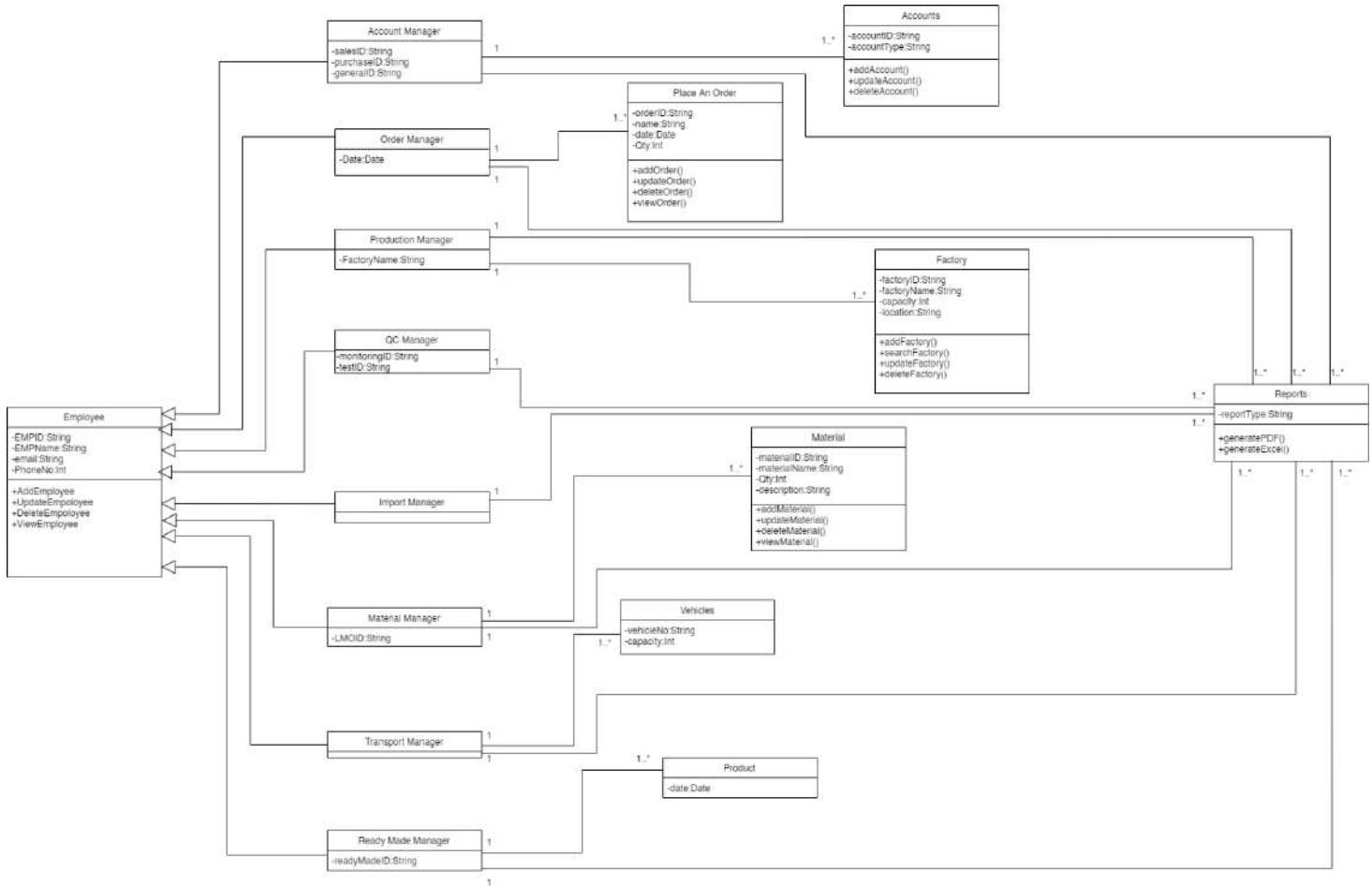


Figure 22 - Class Diagram Casanova System

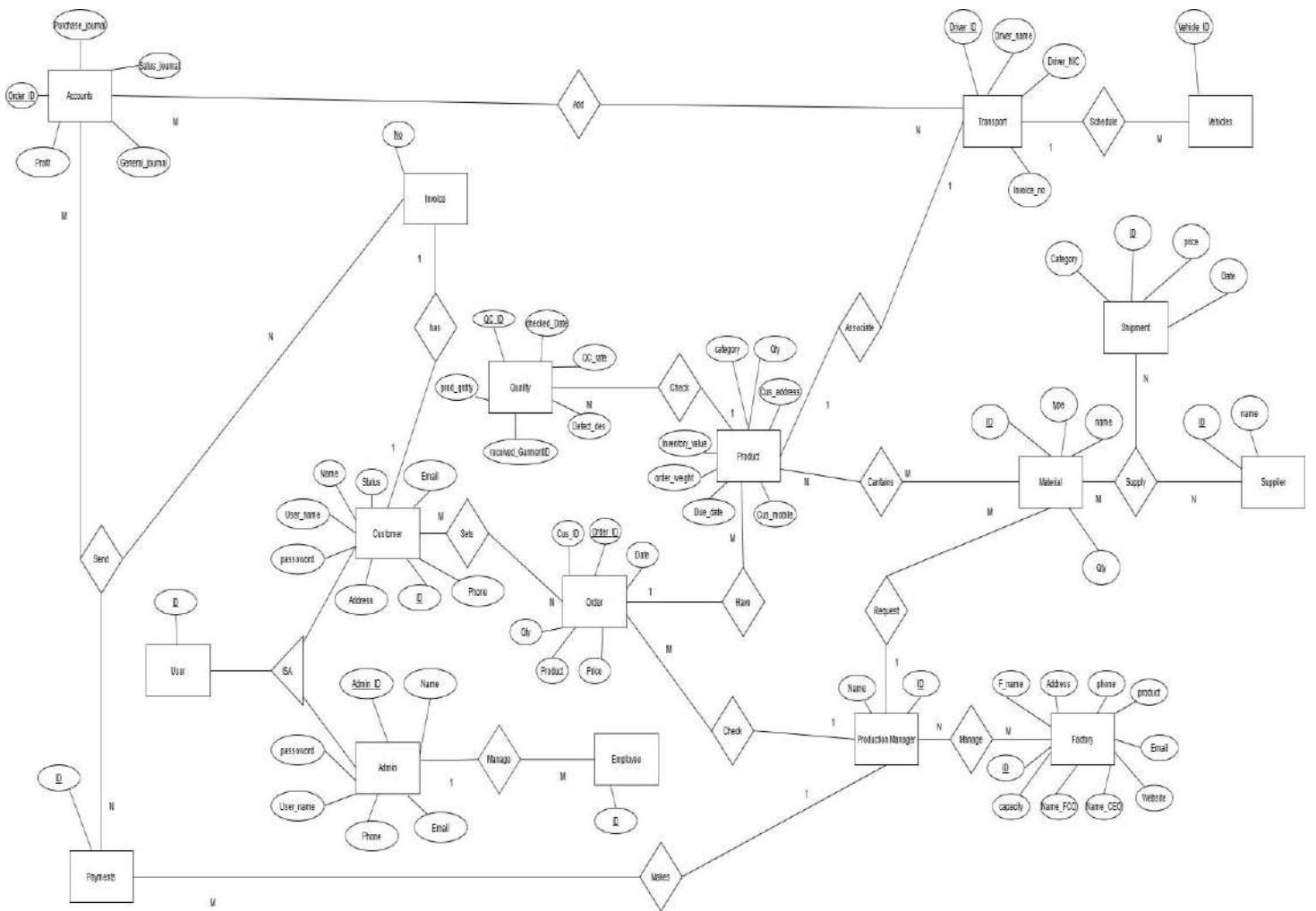


Figure 23 - ER Diagram for Casanova

User Interfaces

Home

CASANOVA



Order Management
With supporting text below as a natural lead-in to additional content.

[Order Management](#)



Raw Material Stock Management
With supporting text below as a natural lead-in to additional content.

[Raw Stock Management](#)



Import Management
With supporting text below as a natural lead-in to additional content.

[Import Management](#)



Production Management
Countries are chasing textile and apparel exports for numerous benefits

[Production Management](#)



Quality Check Management
With supporting text below as a natural lead-in to additional content.

[Quality Management](#)



Ready-Made Management
With supporting text below as a natural lead-in to additional content.

[Ready-Made Management](#)



Transport Management
With supporting text below as a natural lead-in to additional content.

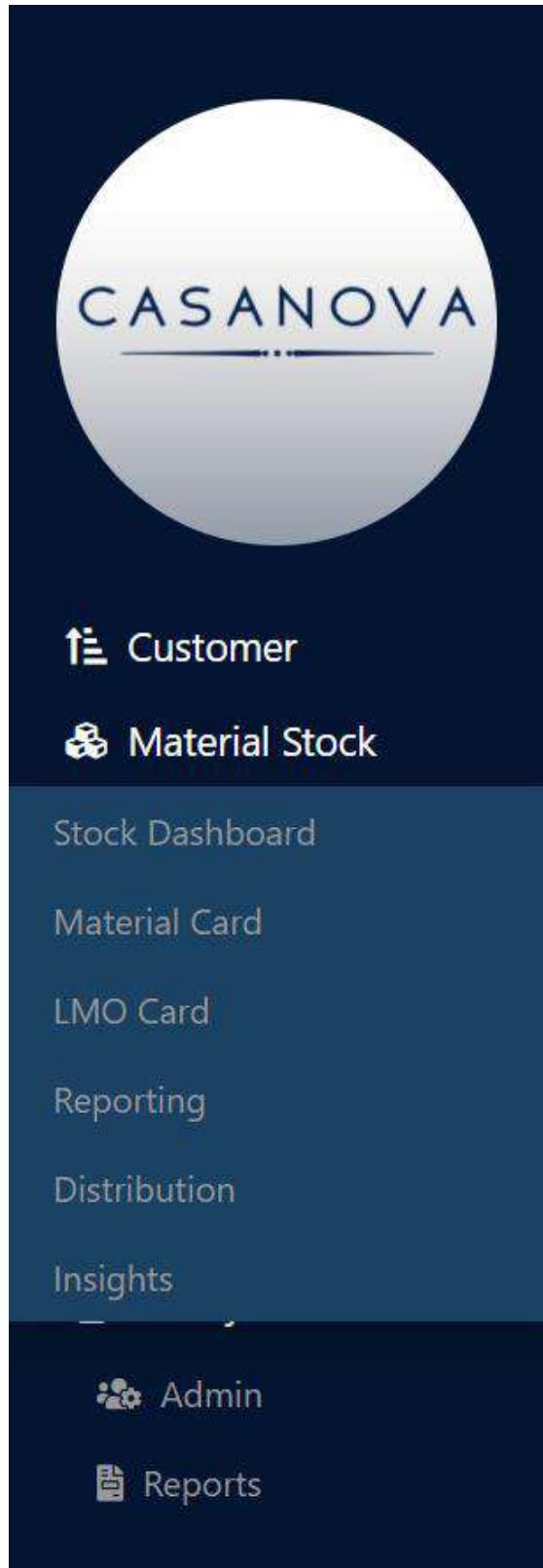
[Transport Management](#)



Account Management
With supporting text below as a natural lead-in to additional content.

[Account Management](#)

Side Navigation



Material Stock Dashboard

The screenshot displays the CASANOVA Material Stock Dashboard interface. At the top, there's a navigation bar with links to HOME, HELP, Contact, and a Manager account icon. Below the navigation is a banner titled "Home Of Fabrics" featuring a vibrant color palette of fabrics. A sub-banner below it states: "The Fabric toolchain is available for everyone to use." On the left side, a sidebar menu lists various modules: Customer, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, Admin, and Reports. The main content area is divided into several sections. At the top right of the main area is a grid labeled "MATERIAL CARD" and "LMO CARD". The "MATERIAL CARD" section contains a "REPORTING" card with a blue button. The "LMO CARD" section contains an "INSIGHTS" card with a blue button. Below these cards is a section titled "ACCESSORIES" featuring three product cards: "MAT007 Flat Buttons" (white buttons), "MAT008 Hook and Eye Fastenings" (black and silver metal fastenings), and "MAT009 Lapel Buttons" (gold-colored buttons). Each accessory card includes a small image, a product code, a name, a brief description, and a blue button.

HOME HELP Contact Manager

Customer Material Stock Production Import Quality Check Accounts Transport Ready Made Admin Reports

Home > Stock DashBoard

Home Of Fabrics
The Fabric toolchain is available for everyone to use.

MATERIAL CARD LMO CARD

REPORTING INSIGHTS

ACCESSORIES

MAT007
Flat Buttons
Flat and have either two or four holes in the center. attach them by hand or with a sewing machine.

MAT008
Hook and Eye Fastenings
Small hook on one side and an eye-like fixture on the other, which is a small hole that the hook fits into.

MAT009
Lapel Buttons
Made of some type of thin metal and have logos or promotional material on them.

CASANOVA

CASANOVA

CASANOVA

MAT007

MAT008

MAT009

58



CASANOVA

-  Customer
-  Material Stock
-  Production
-  Import
-  Quality Check
-  Accounts
-  Transport
-  Ready Made
-  Admin
-  Reports

PACKING MATERIALS

MAT013



Stretch Film

Hand Stretch Color Stretch UV Stretch VCI Stretch
Vented Stretch Reinforced Stretch



MAT014



Polybags

Polybags average a thickness of 1.6 mils. plastic formulations are also available upon request.



MAT015



Bundling Film

A multi-pack can include free-standing items or sit on top of a platform or sheet of material.



Footer



CASANOVA

-  Customer
-  Material Stock
-  Production
-  Import
-  Quality Check
-  Accounts
-  Transport
-  Ready Made
-  Admin
-  Reports

MAT016



Hangtags

printed paper tags hung from the garments by plastic staple or string.



MAT017



Clips

leaves the fold portion intact and can be quickly and easily removed, unlike the staple



MAT018



Price tag

type of tag printed with the sales price of the garment.



HELP

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All material card UI

The screenshot shows the 'ALL MATERIAL CARDS' section of the Casanova application. On the left sidebar, there's a navigation menu with icons for Customer, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, Admin, and Reports. The main area has a title 'ALL MATERIAL CARDS' and a category selector with 'ALL' selected. Below it is a search bar labeled 'Search Material'. A button 'Add New Material' is present. The main table lists two items:

#	Material ID	Material Name	Supplier ID	Supplier Name	Shipment ID	Price (Rs.)	Qty	Category	Description	Action
1	MAT613f101	Flat Buttons	SUP001	Chiong	SHP001	100	1000	Accessory	Two or four holes	<input checked="" type="button"/> Edit <input type="button"/> Delete
2	MAT613f106	Lapel Buttons	SUP004	Zicker	SHP004	900	8000	Accessory	Metal	<input checked="" type="button"/> Edit <input type="button"/> Delete

Filter Section

This screenshot shows the same 'ALL MATERIAL CARDS' section but with a different filter applied. In the category selector, 'Fabrics' is now selected. The main table lists three items, all categorized as Fabric:

#	Material ID	Material Name	Supplier ID	Supplier Name	Shipment ID	Price (Rs.)	Qty	Category	Description	Action
1	MAT613f10b	Lyocell	SUP003	Xacker	SHP003	1500	8000	Fabric	High absorbency	<input checked="" type="button"/> Edit <input type="button"/> Delete
2	MAT613f172	Sheep	SUP003	Xaker	SHP009	1400	10000	Fabric	Smooth Lustrous	<input checked="" type="button"/> Edit <input type="button"/> Delete
3	MAT613f179	Acetate Fabric	SUP002	Xiong	SHP005	1100	9500	Fabric	Mildew resistant	<input checked="" type="button"/> Edit <input type="button"/> Delete

Material Card Instructions

The screenshot shows the CASANOVA software interface. On the left is a dark sidebar with a circular logo containing the word 'CASANOVA' and a navigation menu with icons for Customer, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, Admin, and Reports. At the top right are links for HOME, HELP, Contact, and Manager. The main content area has a header 'Dashboard >Material Card > Add a Material Card'. Below this is a section titled 'INSTRUCTIONS' with a blue circular icon. The text describes a scenario where inventory falls short of demand, leading to an overstock situation. It also mentions 'Latest Regulations'. A large blue button at the bottom right says 'ADD NEW MATERIAL'.

Material Card Form

The screenshot shows the CASANOVA Material Card Form. It consists of several input fields and buttons. The fields include:

- Material Name: Text input field labeled 'Enter Material Name'.
- Supplier ID: Text input field labeled 'Enter Supplier ID'.
- Supplier Name: Text input field labeled 'Enter Supller Name'.
- Arrival Date: Text input field labeled 'mm/dd/yyyy' with a calendar icon.
- Shipment ID: Text input field labeled 'Enter Shipment ID'.
- Price Per Piece (Rs.): Text input field labeled 'Enter Price'.
- Qty: Text input field labeled 'Enter Qty'.
- Category: Text input field labeled 'Enter Category'.
- Description: Text input field labeled 'Enter Description'.

At the bottom are two buttons: a black button with a white checkmark labeled 'Add Material' and a blue button labeled 'DEMO'.

Material Card Validations

Material Name
 Enter Material Name
*Material name is Required.

Supplier ID
 Enter Supplier ID
*Supplier ID is Required.

Arrival Date
 mm/dd/yyyy *Arrival date is Required.

Price Per Piece (Rs.)
 Enter Price
*Price is Required.

Category
 Enter Category
*Category is Required.

Description
 Enter Description
Description is Required.

Add Material

ADD NEW MATERIAL

Material Name
 Cashmere

Supplier ID
 SUP002

Arrival Date
 10/01/2021 *Please Enter a Valid Date.

Price Per Piece (Rs.)
 -1 *Please Enter a Valid Price Range.

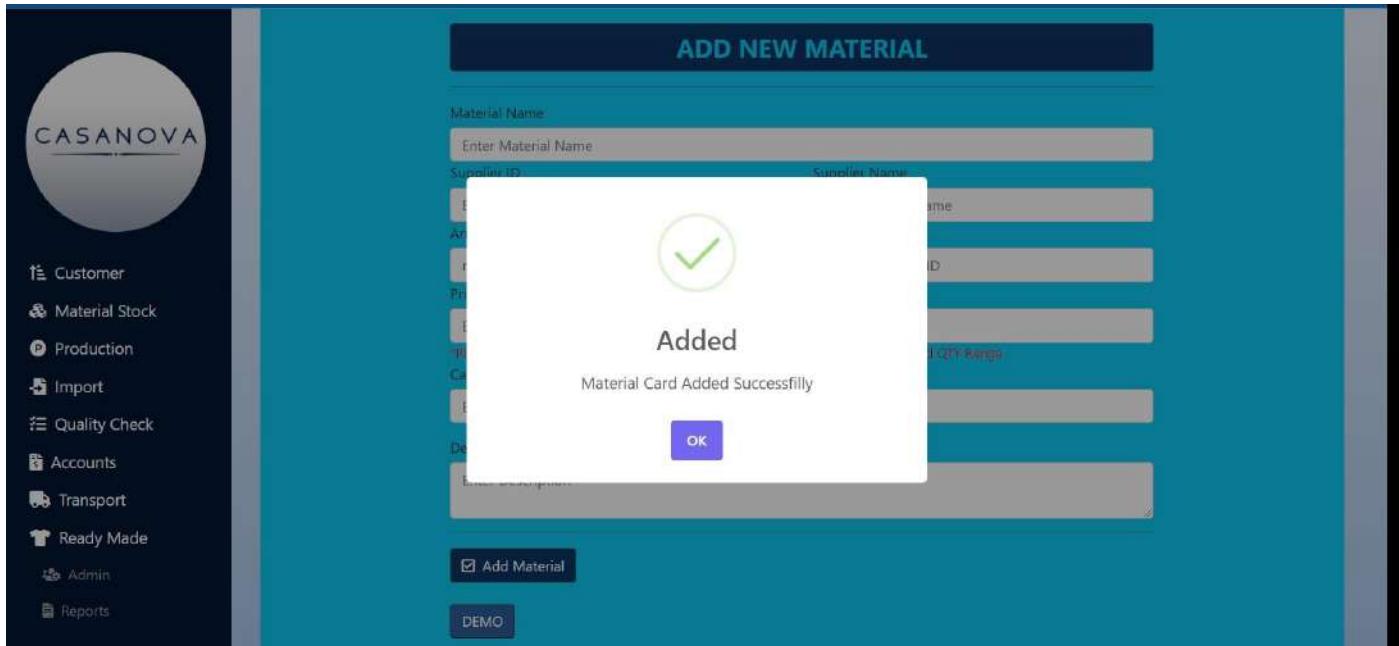
Category
 Fabric

Description
 Wool lustrous

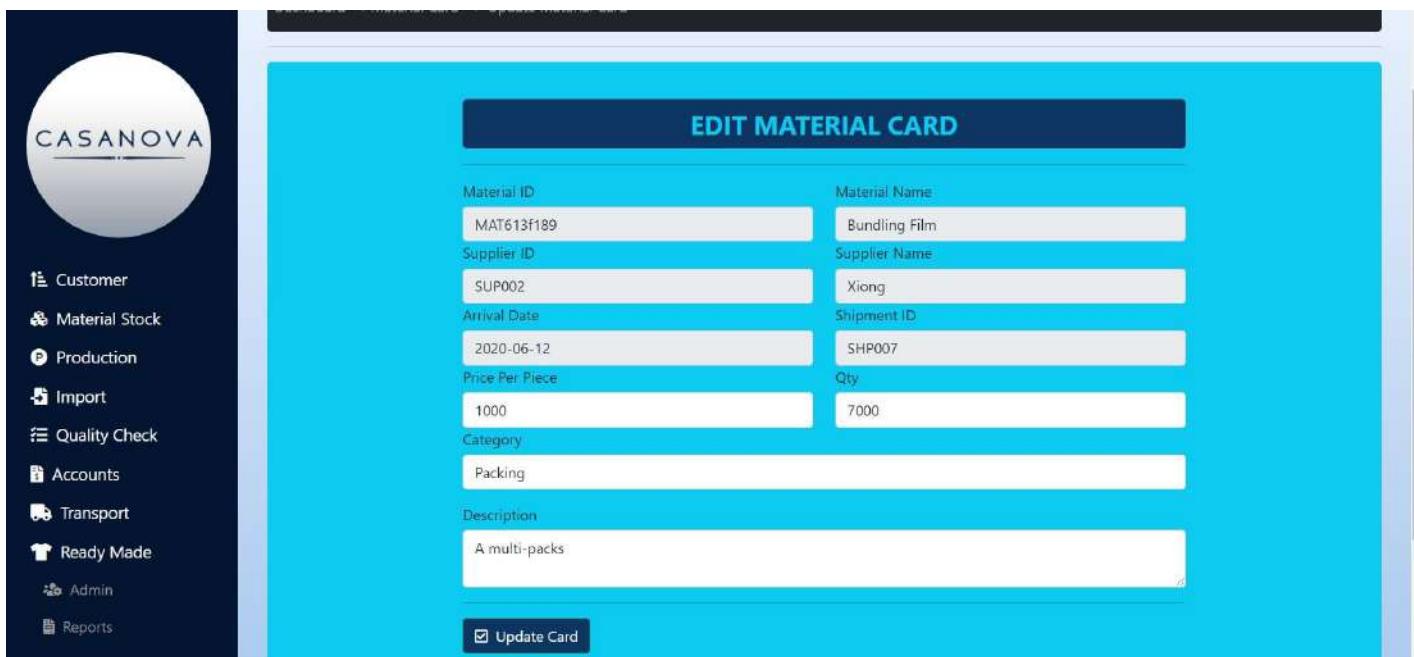
Add Material

DEMO

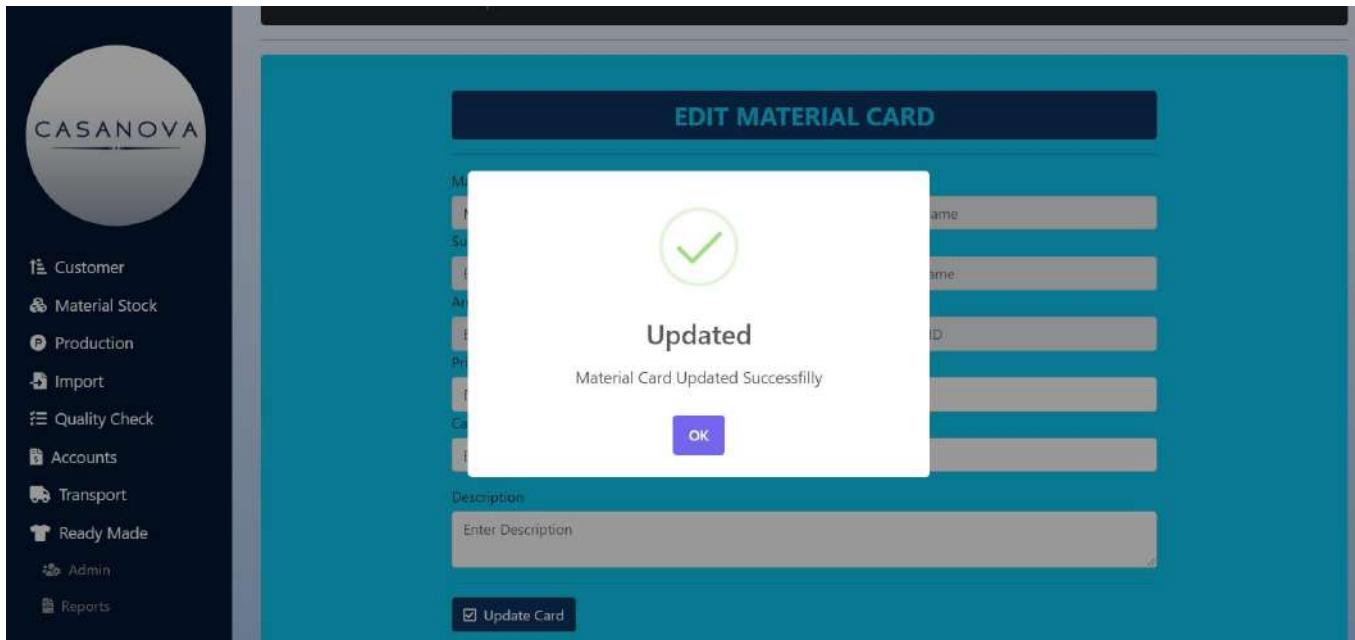
Material Card Added Successfully Pop-up Box



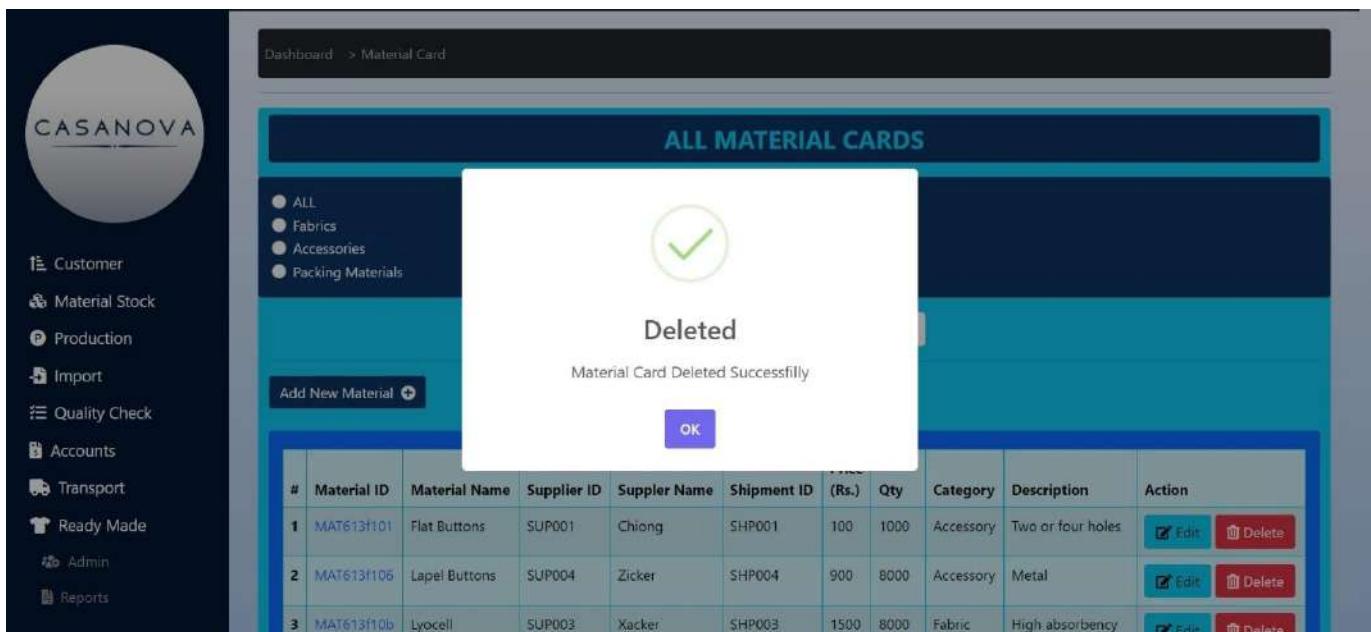
Edit Material Card



Material Card Updated Pop-up Box



Material Card Deleted Pop-up Box



All LMO Cards

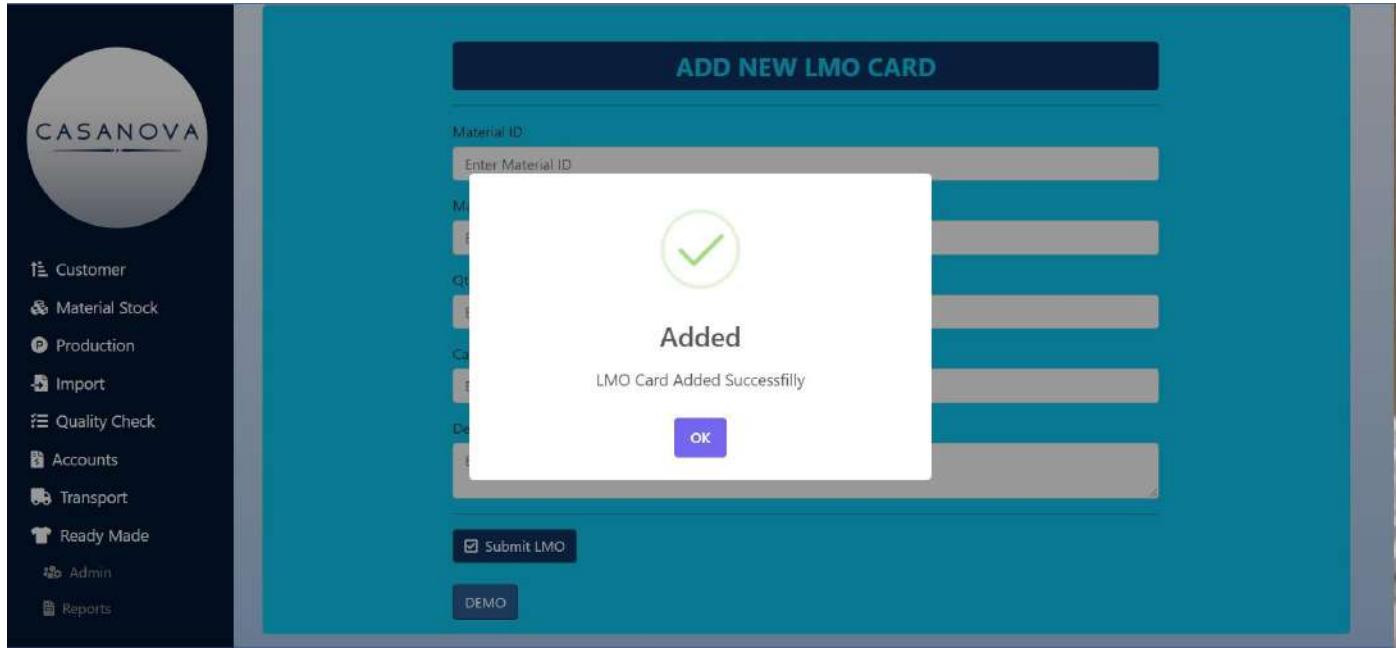
The screenshot shows the 'All LMO Cards' page. At the top, there is a navigation bar with 'HOME', 'HELP', 'Contact', a notification icon with a red dot, and a 'Manager' profile icon. Below the navigation is a breadcrumb trail: 'Dashboard > LMO Card'. The main title is 'All LMO Cards' in a blue header. Below it is a button 'Add New LMO +'. A search bar says 'Search LMO'. The main content is a table with the following data:

#	LMOID	MatID	MatName	Qty	Category	Description	Action
1	LMO613f1ee	MAT021	Denim	2400	Fabric	Sticks	<input checked="" type="button"/> Edit <input type="button"/> Delete
2	LMO613f1f5	MAT022	Chiffen	500	Fabric	Sheer, lightweight	<input checked="" type="button"/> Edit <input type="button"/> Delete
3	LMO613f1f9	MAT031	Lase	2500	Fabric	Elegant, delicate	<input checked="" type="button"/> Edit <input type="button"/> Delete
4	LMO613f1fd	MAT032	Leather	3000	Fabric	Durable, wrinkle	<input checked="" type="button"/> Edit <input type="button"/> Delete
5	LMO613f201	MAT034	Linen	9	Fabric	Spun into yarn	<input checked="" type="button"/> Edit <input type="button"/> Delete
6	LMO613f205	MAT055	Carton	1000	Packing	Containers	<input checked="" type="button"/> Edit <input type="button"/> Delete

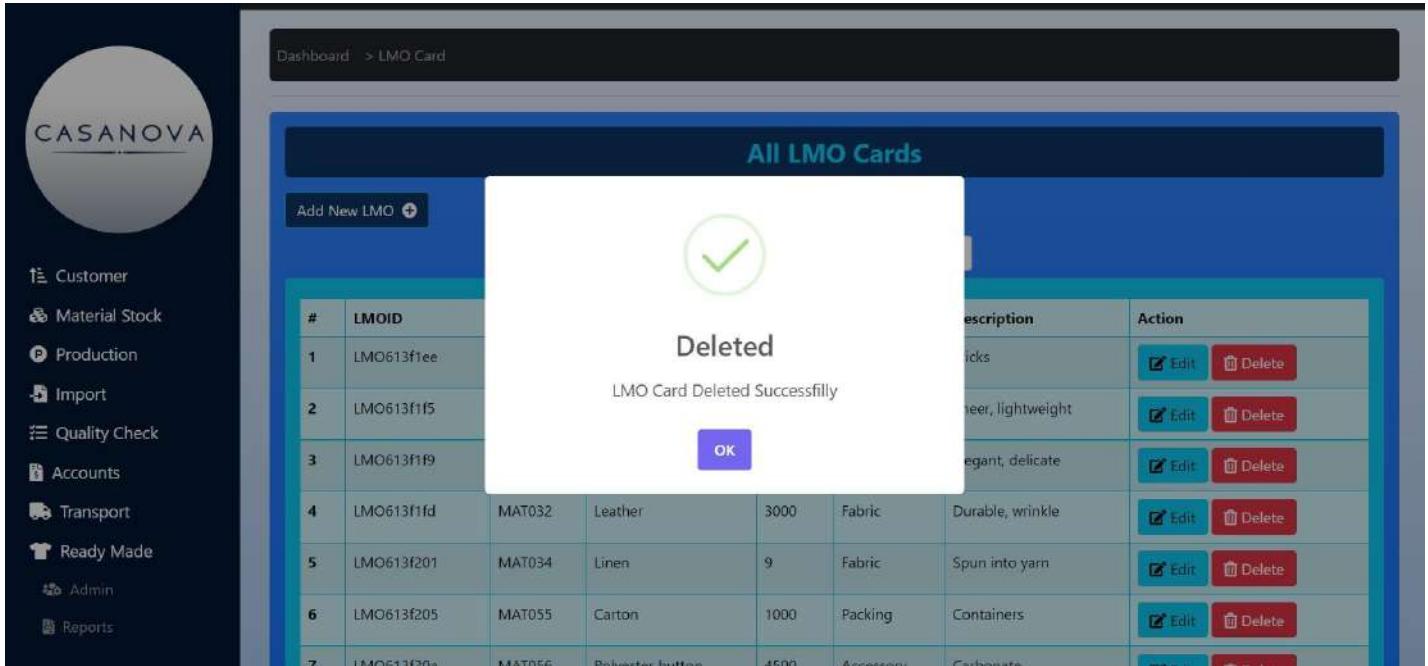
Add New LMO Card

The screenshot shows the 'ADD NEW LMO CARD' form. At the top, there is a title 'ADD NEW LMO CARD'. The form has five input fields: 'Material ID' (placeholder 'Enter Material ID'), 'Material Name' (placeholder 'Enter Material Name'), 'Qty' (placeholder 'Enter Qty'), 'Category' (placeholder 'Enter Category'), and 'Description' (placeholder 'Enter Description'). Below the form is a 'Submit LMO' button with a checked checkbox and a 'DEMO' button.

LMO Card Added Successfully Pop-up Box



LMO Card Deleted Pop-up Box



All Reports UI

The screenshot shows a dashboard titled "ALL REPORTS". At the top left is a "Add New Report" button. A search bar labeled "Search Report" is at the top right. Below is a table with the following data:

#	Report ID	Material ID	Material Name	Date	Shipment ID	Defect	Qty	Action
1	RP613e57a	MAT001	Oxford	2021-09-15	SHP002	Error in wool	10	<button>Edit</button> <button>Delete</button>
2	RP613f490	MAT080	Chion	2021-09-08	SHP010	Cutting edges	10000	<button>Edit</button> <button>Delete</button>
3	RP613f495	MAT005	Lyocell	2021-09-01	SHP011	Folding Edges	200	<button>Edit</button> <button>Delete</button>
4	RP613f49b	MAT007	Flat Buttons	2021-09-01	SHP007	Colour patch	1000	<button>Edit</button> <button>Delete</button>
5	RP613f54a	MAT018	Price Tag	2021-10-07	SHP010	Colour patch	1000	<button>Edit</button> <button>Delete</button>
6	RP61637cc	MAT030	Clips	2021-10-06	SHP007	Damaged edge	2004	<button>Edit</button> <button>Delete</button>

Report Card Add Instructions

The screenshot shows a "INSTRUCTIONS" section with the following text:

Imagine having just the right number of products for a certain SKU, given demand -- but your team is working with old data and, based on that data, projects that your inventory will fall short of demand in a month. It is obvious what your team would do: begin the process of acquiring more inventory to make up the difference. Now there will be excess inventory, and you will be in an Overstock situation.

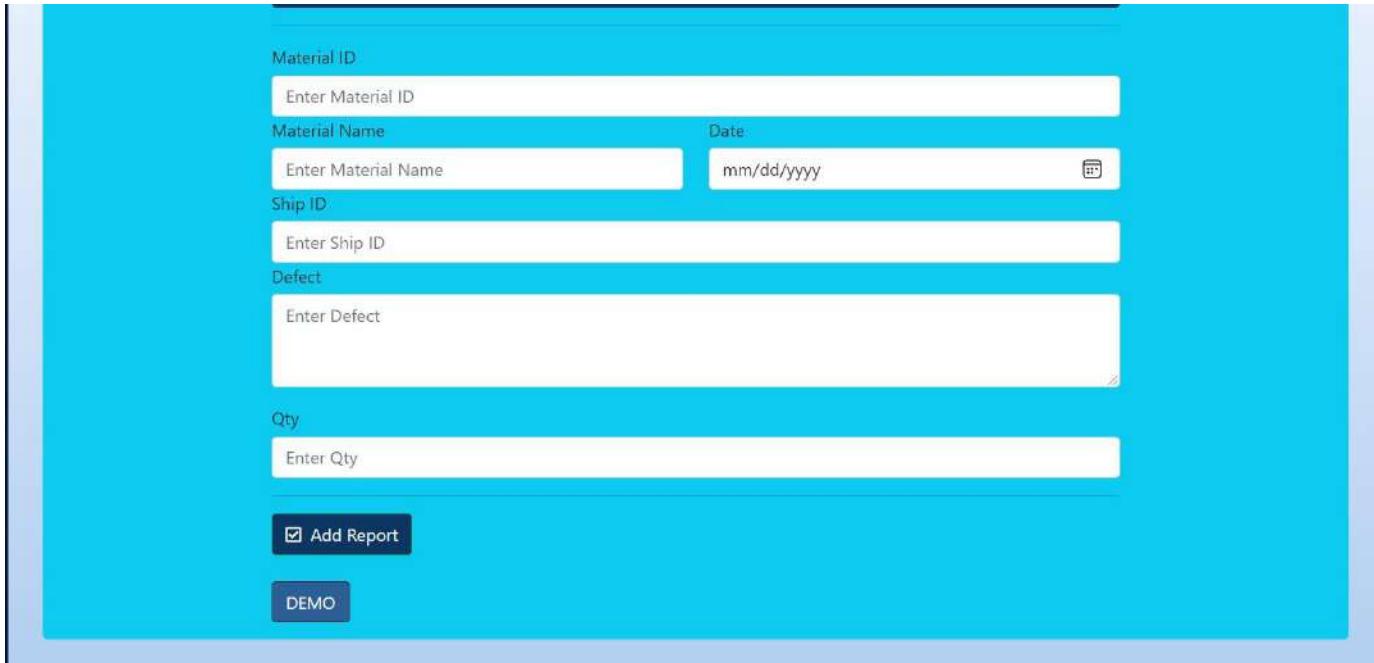
Latest Regulations

Median Page Load (LARQ): 2.056s
Median Start Render (LARQ): 1.031s
Delivery Rate: 57.1%

CASANOVA

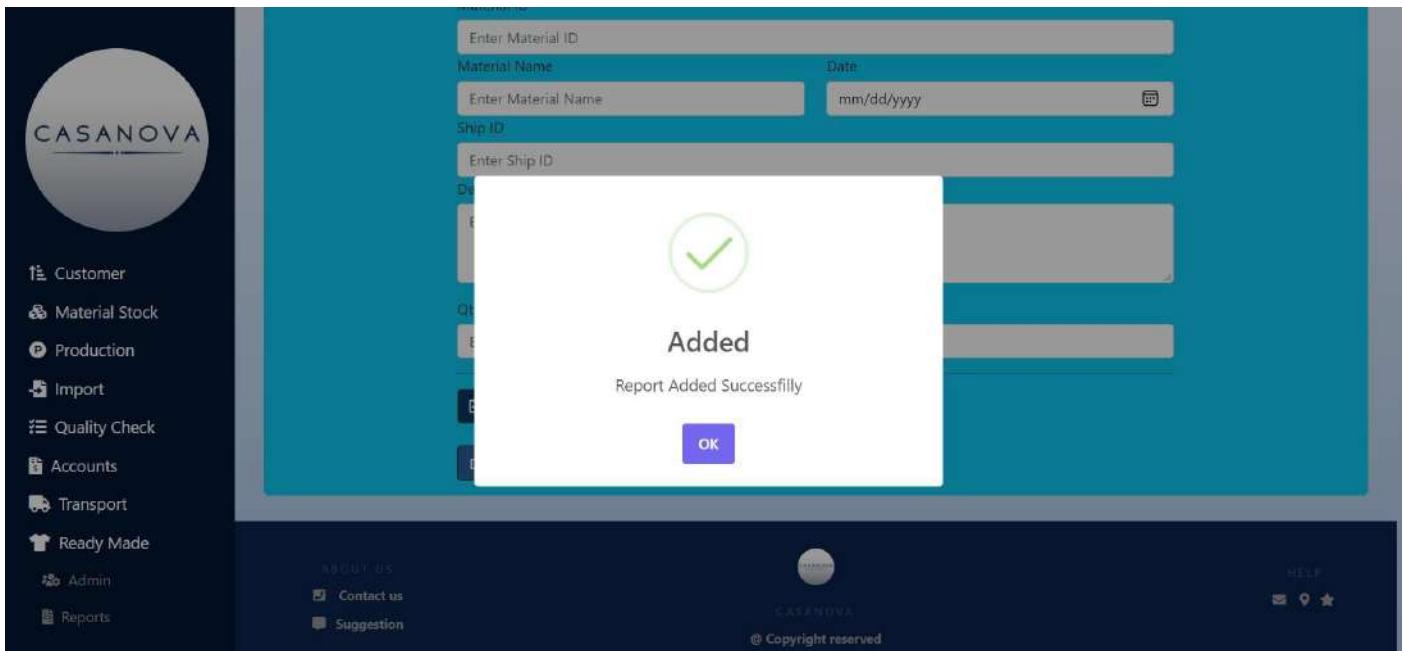
ADD NEW REPORT

Report Card Form



The form consists of several input fields and buttons. At the top left is a placeholder 'Material ID' with a text input field below it. To its right is a 'Material Name' section with a text input field and a date input field ('Date: mm/dd/yyyy') with a calendar icon. Below these are sections for 'Ship ID' (text input) and 'Defect' (text input). A large text area follows for 'Qty'. At the bottom are two buttons: a dark blue one labeled 'Add Report' with a checked checkbox, and a light blue one labeled 'DEMO'.

Report Added Pop-up Box



View A Single Material Card

The screenshot shows the Casanova software interface. On the left is a dark sidebar with a circular logo at the top containing the word 'CASANOVA'. Below the logo are ten menu items with corresponding icons: Customer, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, Admin, and Reports. At the bottom of the sidebar is a link labeled 'ABOUT US'. The main content area has a black header bar with 'HOME' and other links. Below the header is a breadcrumb navigation: 'Dashboard > Material Card > Material MaterialDetails'. The central part of the screen is a light blue box titled 'MATERIAL CARD' which displays material details for 'MAT613f1'. The details are listed in a table format:

● Material Name	Flat Buttons
● Suplier ID	SUP001
● Supplier Name	Chiong
● Arrival Date	2021-10-01
● Shipment ID	SHP001
● Price	100
● Qty	1000
● Category	Accessory
● Description	Two or four holes

Admin Notifications

The screenshot shows the Casanova software interface with a dark sidebar on the left. The sidebar includes the 'CASANOVA' logo at the top, followed by ten menu items: Customer, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, Admin, and Reports. The main content area features a 'HOME' button and other links in the top right. In the top right corner, there is a 'Manager' icon with a red notification dot and a bell icon. The main content area displays a list of notifications:

- Admin: Message — 10 mins ago
- Admin: Message — 35 mins ago
- Transport Maanager: Message — 1 hour ago
- Admin: Message — 2 hours ago
- Production Manager: Message — 3 hours ago

CASANOVA

HOME HELP Contact

Dashboard > Insights

INSTRUCTIONS

Imagine having just the right number of products for a certain SKU, given demand -- but your team is working with old data and, based on that data, projects that your inventory will fall short of demand in a month. It is obvious what your team would do: begin the process of acquiring more inventory to make up the difference. Now there will be excess inventory, and you will be in an Overstock situation.

Latest Regulations

CASANOVA

INVENTORY LMO REPORTING

INVENTORY SUMMARY

- ALL
- Fabrics
- Accessories
- Packing Materials

Search Material

Download As Excel Download As PDF

#	Material ID	Supplier ID	Arrival	Shipment ID	Price	Qty	Category	Total
1	MAT613f101	SUP001	2021-10-01	SHP001	Rs.100.00	1000	Accessory	Rs.100000.00
2	MAT613f106	SUP004	2021-09-25	SHP004	Rs.900.00	8000	Accessory	Rs.7200000.00
3	MAT613f10b	SUP003	2021-09-06	SHP003	Rs.1500.00	8000	Fabric	Rs.12000000.00
4	MAT613f127	SUP003	2020-08-08	SHP002	Rs.100.00	9500	Packing	Rs.950000.00
5	MAT613f12d	SUP005	2021-09-17	SHP005	Rs.500.00	2500	Packing	Rs.1250000.00
6	MAT613f138	SUP002	2021-09-01	SHP002	Rs.2000.00	12000	Accessory	Rs.24000000.00
7	MAT613f16b	SUP003	2021-09-01	SHP005	Rs.300.00	10000	Packing	Rs.3000000.00
8	MAT613f17d	SUP003	2021-10-00	SHP000	Rs.100.00	10000	Fabric	Rs.1000000.00

The screenshot shows the CASANOVA inventory management system interface. On the left sidebar, there are several menu items: Customer, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, Admin, and Reports. The main content area is titled "INVENTORY SUMMARY". It includes a search bar labeled "Search Material" and two download buttons: "Download As Excel" and "Download As PDF". A legend at the top indicates four categories: ALL (grey), Fabrics (blue), Accessories (green), and Packing Materials (orange). Below the legend is a table with the following data:

#	Material ID	Supplier ID	Arrival	Shipment ID	Price	Qty	Category	Total
1	MAT613f10b	SUP003	2021-09-06	SHP003	Rs.1500.00	8000	Fabric	Rs.12000000.00
2	MAT613f172	SUP003	2021-10-09	SHP009	Rs.1400.00	10000	Fabric	Rs.14000000.00
3	MAT613f179	SUP002	2021-02-26	SHP005	Rs.1100.00	9500	Fabric	Rs.10450000.00

At the bottom of the main content area, there are links for "ABOUT US" and "Contact us". The footer contains navigation icons for Help, Email, Location, and Star.

CASANOVA

INVENTORY SUMMARY

MAT NAME	SUPID	ARRIVAL DATE	SHIPID	PRICE	QTY	CATEGORY	TOTAL
Flat Buttons	SUP001	2021-10-01	SHP001	100	1000	Accessory	100000
Lapel Buttons	SUP004	2021-09-25	SHP004	900	8000	Accessory	7200000
Lyocell	SUP003	2021-09-06	SHP003	1500	8000	Fabric	12000000
Hand Tags	SUP003	2020-08-08	SHP002	100	9500	Packing	950000
Polybags	SUP005	2021-09-17	SHP005	500	2500	Packing	1250000
Toggles	SUP002	2021-09-01	SHP002	2000	12000	Accessory	24000000
Price Tag	SUP003	2021-09-01	SHP005	300	10000	Packing	3000000
Sheep	SUP003	2021-10-09	SHP009	1400	10000	Fabric	14000000
Acetate Fabric	SUP002	2021-02-26	SHP005	1100	9500	Fabric	10450000

A1 X ✓ fx #

	A	B	C	D	E	F	G	H	I	J	K
1	#	Material ID	Supplier ID	Arrival	Shipment ID	Price	Qty	Category	Total		
2	1	MAT613f101	SUP001	10/1/2021	SHP001	Rs.100.00	1000	Accessory	Rs.100000.00		
3	2	MAT613f106	SUP004	9/25/2021	SHP004	Rs.900.00	8000	Accessory	Rs.7200000.00		
4	3	MAT613f10b	SUP003	9/6/2021	SHP003	Rs.1500.00	8000	Fabric	Rs.12000000.00		
5	4	MAT613f127	SUP003	8/8/2020	SHP002	Rs.100.00	9500	Packing	Rs.950000.00		
6	5	MAT613f12d	SUP005	9/17/2021	SHP005	Rs.500.00	2500	Packing	Rs.1250000.00		
7	6	MAT613f138	SUP002	9/1/2021	SHP002	Rs.2000.00	12000	Accessory	Rs.24000000.00		
8	7	MAT613f16b	SUP003	9/1/2021	SHP005	Rs.300.00	10000	Packing	Rs.3000000.00		
9	8	MAT613f172	SUP003	10/9/2021	SHP009	Rs.1400.00	10000	Fabric	Rs.14000000.00		
10	9	MAT613f179	SUP002	2/26/2021	SHP005	Rs.1100.00	9500	Fabric	Rs.10450000.00		
11											
12											
13											



- # Customer
- & Material Stock
- P Production
- # Import
- # Quality Check
- # Accounts
- # Transport
- T Ready Made
- # Admin
- # Reports

No.01

Order ID: OID11111
Product: Trousers
Material:fabric
Quantity:10000
Material:zippers
Quantity:2000
Material:buttons
Quantity:4000

[] ACCEPT [] DELETE

No.02

Order ID: OID11112
Product: Trousers
Material:fabric
Quantity:15000
Material:zippers
Quantity:2500
Material:buttons
Quantity:6000

[] ACCEPT [] DELETE

No.03

Order ID: OID11112
Product: Trousers
Material:fabric
Quantity:25000
Material:zippers
Quantity:2000
Material:buttons
Quantity:4000

[] ACCEPT [] DELETE

No.04

Order ID: OID11111
Product: Trousers
Material:fabric
Quantity:20000
Material:zippers
Quantity:2000
Material:buttons
Quantity:1000

[] ACCEPT [] DELETE

No.05

Order ID: OID11111
Product: T-shirts
Material:fabric
Quantity:8000
Material:zippers
Quantity:1000
Material:buttons
Quantity:3000

[] ACCEPT [] DELETE

Shipment Dashboard

HOME HELP Contact Manager

CASANOVA

- Order Management
- Material Stock
- Production
- Import
- Quality Check
- Accounts
- Transport
- Ready Made
- Admin

Shipment
With supporting text below as a natural lead-in to additional content.
[Regular shipment](#)

Shipment
With supporting text below as a natural lead-in to additional content.
[Less material shipment](#)

Reporting
With supporting text below as a natural lead-in to additional content.
[Report](#)

Regular Shipment home

HOME HELP Contact Manager

CASANOVA

- Order Management
- Material Stock
- Production
- Import
- Quality Check
- Accounts
- Transport
- Ready Made
- Admin

All Shipments

#	ShipmentID	SupplierID	SupplierName	MaterialID	MaterialName	Quantity	UnitPrice	Date	Total	Action
1	SID6161a	SUP88777	Kate linn	MAT88990	cotton	10000	Rs 1000	2021-10-21	Rs 10000000	Edit Delete
2	SID61635	SUP88778	Kate linn	MAT88990	cotton	10000	Rs 1000	2021-10-09	Rs 10000000	Edit Delete
3	SID61635	SUP66778	brown tailor	MAT88779	Fabric	14456	Rs 900	2021-10-02	Rs 13010400	Edit Delete
4	SID61635	SUP5678-	Pooja dev	MAT6677	Fabric	15000	Rs 800	2021-10-05	Rs 12000000	Edit Delete
5	SID6163a	SUP556646	sam smith	MAT55446	Fabric	12000	Rs 1198	2021-10-05	Rs 14376000	Edit Delete
6	SID6163a	SUP88778	Danial devide	MAT88990	cotton	10000	Rs 1000	2021-10-06	Rs 10000000	Edit Delete

[Create New Shipment](#)

Create new regular shipment

The screenshot shows the 'Create new Shipment' form. On the left is a dark sidebar with a circular logo containing 'CASANOVA' and a navigation menu with icons and labels: Order Management, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, and Admin.

Create new Shipment

ShipmentID
Enter ShipmentID

SupplierID
Enter SupplierID

SupplierName
Enter SupplierName

MaterialID
Enter MaterialID

MaterialName
Enter MaterialName

Quantity
Enter Quantity

UnitPrice
Enter UnitPrice

Update regular shipment

The screenshot shows the 'Edit Shipment' form. On the left is a dark sidebar with a placeholder image and a navigation menu with icons and labels: Order Management, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, and Admin.

Edit Shipment

ShipmentID SID6161a

SupplierID SUP88777

SupplierName Kate Jinn

MaterialID MAT88990

MaterialName cotton

Quantity 10000

UnitPrice 1000

Date 21-10-2021

Regular shipment specific details

The screenshot shows a software application window. At the top, there is a navigation bar with links for HOME, HELP, Contact, a notification icon with a red dot, and a Manager icon. On the left side, there is a sidebar with various icons and labels: Order Management, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, and Admin. The main content area displays a shipment record with the ID SID61635. The fields shown are SupplierID (SUP5678), SupplierName (Pooja dev), MaterialID (MAT6677), MaterialName (Fabric), Quantity (15000), UnitPrice (800), and Date (2021-10-05).

Create less material shipments

The screenshot shows a software application window with a sidebar on the left containing a logo for CASANOVA and various menu items: Order Management, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, and Admin. The main content area is titled "Add New shipment". It contains several input fields: Ship ID (Enter Shipment ID), Supplier ID (Enter Supplier ID), Supplier Name (Enter Supplier email), lessmaterialID (Enter Lessmaterial ID), lessmaterialName (Enter Lessmaterial name), Quantity (Enter Quantity), Unit Price (Enter Unit Price), and Date (dd-mm-yyyy). A "Save" button is located at the bottom of the form.

Update less material shipments

The screenshot shows a web-based application interface for managing material shipments. On the left is a dark sidebar with various navigation icons and labels. The main area is titled 'Edit Post' and contains fields for updating a specific shipment record.

Field	Value
ShipID	SHID61634
SupplierID	SUP22333
SupplierName	Mathiv rain
LessmaterialID	MAT88990
LessmaterialName	cotton
Quantity	10000
UnitPrice	1000
Date	08-10-2021

Buttons:

- A large blue 'update' button at the bottom left.
- A small green 'cancel' button at the bottom right.

Specific details of less material shipment

The screenshot shows a list of shipment details. At the top, there is a header with links for 'HOME', 'HELP', 'Contact', a notification icon, and a 'Manager' button. Below the header, the ID 'SHID61635' is displayed. A link to 'All shipments' is provided. The list of shipment details is presented in a table format.

Field	Value
shipID	SH00889
supplierID	SUP77886
suplierName	Sunil dev
lessmaterialID	MAT55667
lessmaterialName	Buttons
quantity	13000
unitPrice	700
date	2021-10-10

Search shipments

The screenshot shows the CASANOVA Shipment Dashboard. On the left is a sidebar with a logo and various management links: Order Management, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, and Admin. The main area is titled 'All Shipments' and shows a single row of data in a table:

#	ShipID	SupplierID	SupplierName	LessmaterialID	LessmaterialName	Quantity	UnitPrice	Date	Total	Action
1	SHID615f0	SP00779	carl nates	LS00889	Fabric	15000	1500	2021-12-04	Rs 22500000	<button>Edit</button> <button>Delete</button>

A search bar at the top right contains the name 'carl'. A green button labeled 'Create New Shipment' is visible at the bottom left.

Report downloads

The screenshot shows the CASANOVA Shipment Dashboard. The sidebar includes links for Order Management, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, and Admin. The main area is titled 'All Shipments' and displays a list of six shipment entries:

#	ShipmentID	SupplierID	SupplierName	MaterialID	MaterialName	Quantity	UnitPrice	Date	Total	Action
1	SID6161a	SUP88777	Kate linn	MAT88990	cotton	10000	Rs 1000	2021-10-21	Rs 10000000	<button>Edit</button> <button>Delete</button>
2	SID61635	SUP88778	Kate linn	MAT88990	cotton	10000	Rs 1000	2021-10-09	Rs 10000000	<button>Edit</button> <button>Delete</button>
3	SID61635	SUP66778	brown tailor	MAT88779	Fabric	14456	Rs 900	2021-10-02	Rs 13010400	<button>Edit</button> <button>Delete</button>
4	SID61635	SUP5678	Pooja dev	MAT6677	Fabric	15000	Rs 800	2021-10-05	Rs 12000000	<button>Edit</button> <button>Delete</button>
5	SID6163a	SUP556646	sam smith	MAT55446	Fabric	12000	Rs 1198	2021-10-05	Rs 14376000	<button>Edit</button> <button>Delete</button>
6	SID6163a	SUP88778	Danial devide	MAT88990	cotton	10000	Rs 1000	2021-10-06	Rs 10000000	<button>Edit</button> <button>Delete</button>

A green 'Create New Shipment' button is located at the bottom left. At the bottom, there is a file download link for 'shipment details.pdf' and a 'Show all' link.

Production Management Function (IT20198640 – Fernando W.T.P.R.)

Production management dashboard

The screenshot displays the CASANOVA Production Management Dashboard. The top navigation bar includes links for HOME, HELP, Contact, and a Manager account icon. The main header reads "CASANOVA Production". A large banner image shows a clothing store interior with the text "Textile and Apparel Industry" and a subtext about exports. Below the banner are four main functional modules:

- Client New Orders:** Shows a person working at a computer displaying a client order interface. Includes a "Go Client Orders" button.
- Search Factory:** Shows a magnifying glass over a document. Includes a "Go Search Factory" button.
- Magic Tools:** Shows an open book with glowing blue energy around it. Includes a "Go Magic Tools" button.
- Register Factory:** Shows a factory floor with many workstations. Includes a "Go Register Factory" button.

A sidebar on the left contains the CASANOVA logo and a vertical list of management functions:

- Order Management
- Material Stock
- Production
- Import
- Quality Check
- Accounts
- Transport
- Ready Made

At the bottom right, there is an "Activate Windows" watermark.

Factory register dashboard

The screenshot shows a web-based dashboard titled "Production Dashboard". On the left, there is a sidebar with a logo for "CASANOVA" and a navigation menu containing links for Order Management, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, and Admin. At the top right, there is a user profile icon labeled "Manager". The main content area is titled "ALL Factories" and contains a table with the following data:

#	Factory Name	Factory Telephone	Factory Email	Factory Website	CEO Name	FCO Name	Product	Units	Action
1	Lahiru Pvt LTD	1123456459	lahiru@gmail.com	www.lahiru.com	Iahieu	Kavindu	shorts	2000	<button>Edit</button> <button>Delete</button>
2	LKS LTD	7718967433	lks@gmail.com	www.lks.com	KLM Pereia	John Kenneth	Shorts	1000	<button>Edit</button> <button>Delete</button>
3	MAS Holding	1130283444	mas@m.com	www.mas.com	John Kenneth	Keneth	Trousers	2000	<button>Edit</button> <button>Delete</button>
4	Dark Pvt Ltd Company	1234567899	dark@g.com	www.dark.com	GL Bandara	KP Perera	Shorts	4000	<button>Edit</button> <button>Delete</button>
5	ABC Company	1234567899	abc@gmail.com	www.abc.com	M.K Perera	N.L Silva	Trousers	1000	<button>Edit</button> <button>Delete</button>

Below the table is a green button labeled "+Add New Factory". At the bottom right of the dashboard, there is a watermark for "Activate Windows" with the text "Go to Settings to activate Windows".

Create register factory

The screenshot shows a form for creating a new factory. The left sidebar is identical to the dashboard, featuring the "CASANOVA" logo and navigation links. The main form has the following fields:

- Factory Name: Input field with placeholder "Enter Factory Name".
- Factory Telephone: Input field with placeholder "Enter Valid Factory Telephone (Ex- 0123456789)".
- Factory Email: Input field with placeholder "Enter Valid Factory Email (Ex- abc@gmail.com)".
- Factory Website: Input field with placeholder "Enter Factory Website (Ex- www.abc.com)".
- CEO Name: Input field with placeholder "Factory CEO Name".
- FCO Name: Input field with placeholder "Factory FCO Name".
- Product: Input field with placeholder "Enter Production".
- Units: Input field with placeholder "Units (Minimum Units should be more than 1000)".

At the bottom of the form are two buttons: a blue "Save" button and a dark blue "Demo" button. A watermark for "Activate Windows" is visible at the bottom right.

Edit register factory

HOME HELP Contact Manager

BACK

Edit Factory Details

Factory Name	Lahiru Pvt LTD
Factory Telephone	1123436459
Factory Email	lahiru@gmail.com
Factory Website	www.lahiru.com
CEO Name	Iahieu
FCO Name	kavindu
Product	shorts
Units	2000

Save

Activate Windows
Go to Settings to activate Windows.

Register factory details

HOME HELP Contact Manager

Dark Pvt Ltd Company

All Factories

Factory Name	Dark Pvt Ltd Company
Factory Telephone	1234567899
Factory Email	dark@g.com
Factory Website	www.dark.com
CEO Name	G.L Bandara
FCO Name	K.P Perera
Product	Shorts
Units	4000

Activate Windows
Go to Settings to activate Windows.

Raw factory dashboard

The screenshot shows the 'Raw Factory Details' section of the CASANOVA application. At the top, there's a navigation bar with links for HOME, HELP, Contact, and a Manager account icon. Below the navigation is a search bar and a button labeled 'Generate Report of Raw Factory Forms'. The main area displays a table titled 'Raw Factory Details' with the following data:

#	Order ID	Product	Material 1	Material 1 Quantity	Material 2	Material 2 Quantity	Material 3	Material 3 Quantity	Action
1	OID11111	Trousers	fabric	10000	zippers	2000	buttons	4000	<input checked="" type="button"/> Edit <input type="button"/> Delete
2	OID11122	Trousers	fabric	15000	zippers	2500	buttons	6000	<input checked="" type="button"/> Edit <input type="button"/> Delete
3	OID11112	Trousers	fabric	25000	zippers	2000	buttons	4000	<input checked="" type="button"/> Edit <input type="button"/> Delete
4	OID11111	Trousers	fabric	20000	zippers	2000	buttons	1000	<input checked="" type="button"/> Edit <input type="button"/> Delete
5	OID11111	T-shirts	fabric	8000	zippers	1000	buttons	3000	<input checked="" type="button"/> Edit <input type="button"/> Delete

At the bottom of the table is a green button labeled 'Create New Raw Details Factory Form'. A watermark at the bottom right reads 'Activate Windows'.

Create raw factory details

The screenshot shows the 'Raw Details Factory form' page. The title is 'Raw Details Factory form' and the subtitle is 'Raw Materials To Send Factory'. The left sidebar contains the same navigation menu as the previous screenshot. The main form has fields for Order ID (containing 'OID.XXXX'), Product (with placeholder 'Enter Product details'), Material 1 (Fabric) (with placeholder 'Material 1 Details'), Material 1 Quantity (Metres) (with placeholder 'Enter Material 1 Quantity'), Material 2 (with placeholder 'Enter Material 2'), Material 2 Quantity (with placeholder 'Enter Material 2 Quantity'), Material 3 (with placeholder 'Enter Material 3'), and Material 3 Quantity (with placeholder 'Enter Material 3 Quantity'). At the bottom is a green button labeled 'Send To factory' with a checked checkbox. A watermark at the bottom right reads 'Activate Windows'.

Edit Raw Factory

[BACK](#)

Edit Raw Factory Details

Order ID

OID11111

Product
Trousers

Material 1(Fabric)
fabric

Material 1 Quantity
10000

Material 2:
zippers

Material 2 Quantity
2000

Material 3
buttons

Material 3 Quantity
4000

Activate Windows
Go to Settings to activate Windows.

[Send To factory](#)

Raw factory special details

HOME  HELP  Contact  Manager

[BACK](#)

Order ID:
OID11111

Order ID	OID11111
Product	Trousers
Material 1	fabric
Material 1 Quantity	10000
Material 2	zippers
Material 2 Quantity	2000
Material 3	buttons
Material 3 Quantity	4000

Activate Windows
Go to Settings to activate Windows.

Magic tool

The screenshot shows the 'Magic Tool' interface. On the left, a sidebar menu for 'CASANOVA' includes: Order Management, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, and Admin. The main area has a title 'Magic Tool' and a form for selecting a product ('T-Shirts') and quantity ('1'). Below this, a section titled 'Magic Tool Result' displays fabric requirements: Fabric (Meters) = 5, Zippers = 0, Buttons = 7. A blue button labeled 'Send To A Factory' is at the bottom.

Retrieve clients orders

The screenshot shows the 'New Orders For production' interface. It features a table with columns: #, Order ID, Product, unit price, Quantity, and Total. The data is as follows:

#	Order ID	Product	unit price	Quantity	Total
1	OID61633	shorts	12	10	120
2	OID61634	blouses	450	230	103500
3	OID61634	tshirt	12	100	1200
4	OID61634	Trouser	120	10	1200

A blue button labeled 'Send To A Factory' is located at the bottom right of the table.

Search factory page

The screenshot shows the CASANOVA software's 'Search Factory For Order' page. The left sidebar contains navigation links for Order Management, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, Admin, and Help/Contact. The main area displays five factory cards:

- Lahiru Pvt LTD**: Product - shorts, Quantity - 2000. Button: Create Raw Factory Form.
- LKS LTD**: Product - Shorts, Quantity - 1000. Button: Create Raw Factory Form.
- MAS Holding**: Product - Trousers, Quantity - 2000. Button: Create Raw Factory Form.
- Dark Pvt Ltd Company**: Product - Trousers. (Thumbnail image only, no details shown)
- ABC Company**: Product - Trousers. (Thumbnail image only, no details shown)

A search bar at the top right says 'Search...'. A 'Production Dashboard' button is also visible. A watermark in the bottom right corner reads 'Activate Windows Go to Settings to activate Windows'.

Validations Of Raw Factory Form

Raw Materials To Send Factory

Order ID
OID_XXXX
*Order ID is Required!

Product
Enter Product details
* Raw Product is Required!

Material 1(Fabric)
Material 1 Details
* Material One is Required!

Material 1 Quantity (Metres)
Enter Material 1 Quantity
* Material One Quantity is Required

Material 2
Enter Material 2

Material 2 Quantity
Enter Material 2 Quantity
* Material two Quantity is Required

Material 3
Enter Material 3

Material 3 Quantity
Enter Material 3 Quantity
* Material three Quantity is Required

Send To factory

Validations Of Factory Form

Factory Name
 Enter Factory Name
*Factory Name is Required!

Factory Telephone
 Enter Valid Factory Telephone (Ex:- 0123456789)
* Factory Telephone is Required!

Factory Email
 Enter Valid Factory Email (Ex:- abc@gmail.com)
* Factory Email is Required!

Factory Website
 Enter Factory Website (Ex:- www.abc.com)
* Factory Website is Required!

CEO Name
 Factory CEO Name
* CEO Name is Required!

FCO Name
 Factory FCO Name
* FCO Name is Required!

Product
 Enter Production
* Product Category is Required

Units
 Units (Minimum Units should be more than 1000)
* Unit quantity is Required

Save

Generated PDF Report

CASANOVA

Raw Factory Report

Order Id	Product	Material 1	Material 1 Quantity	Material 2	Material 2 Quantity	Material 3	Material 3 Quantity
OID11111	Trousers	fabric	10000	zippers	2000	buttons	4000
OID11122	Trousers	fabric	15000	zippers	2500	buttons	6000
OID11112	Trousers	fabric	25000	zippers	2000	buttons	4000
OID11111	Trousers	fabric	20000	zippers	2000	buttons	1000
OID11111	T-shirts	fabric	8000	zippers	1000	buttons	3000

Quality check dashboard

The screenshot shows the 'Quality Check Manager' dashboard. At the top, there are links for 'HOME', 'HELP', 'Contact', and a 'Manager' account icon. Below the header, the breadcrumb navigation shows 'Home > Quality Check Manager > Dashboard'. The main content area is divided into three sections: 'TESTING' (with a description and 'Go Testing' button), 'MONITORING' (with a description and 'Go Monitoring' button), and 'REPORTING' (with a description and 'Go Reporting' button). On the left side, a vertical sidebar menu lists various modules: Customer, Material Stock, Production, Import, Quality Check (which is currently selected and highlighted in blue), Accounts, Transport, Ready Made, and Admin. The 'Quality Check' module has a sub-menu with options: Dashboard, Testing, Monitoring, and Reporting.

The screenshot shows the 'Quality Check' module's side navigation menu. It includes a large circular logo with the word 'CASANOVA' and a vertical list of navigation items: Customer, Material Stock, Production, Import, Quality Check (selected), Dashboard, Testing, Monitoring, Reporting, and Admin. The 'Quality Check' item is highlighted with a blue background.

Quality check side navigation

Quality check All cards

The screenshot shows a web-based application for managing quality checks. On the left is a sidebar with a logo and various menu items: Customer, Material Stock, Production, Import, Quality Check (selected), Accounts, Transport, Ready Made, and Admin. The main area has a header with 'HOME', 'HELP', 'Contact', a notification bell icon, and a 'Manager' profile icon.

The breadcrumb navigation shows: Home > Quality Check Manager > Testing > Check Card.

The page title is 'All Cards'. There are two download buttons: 'Download As PDF' (grey) and 'Download As Excel' (yellow). A search bar is at the top right.

A table lists four check cards:

Order #	ID	CHECKED DATE	ARRIVAL DATE	BuyerId	requirement1	requirement2	Qualityrate	Action
1	OID010	2021-09-16T00:00:00.000Z	2021-07-01T00:00:00.000Z	S&C052	Silk midi skirts with two pockets.	Red and white floral silk material	98	<button>Edit</button> <button>Delete</button>
2	OID021	2020-02-19T00:00:00.000Z	2020-06-10T00:00:00.000Z	ODL052	Basic v neck ladies t shirt	100% cotton material in blue, black, yellow	88	<button>Edit</button> <button>Delete</button>
3	OID045	2021-09-28T00:00:00.000Z	2021-04-06T00:00:00.000Z	CC009	Crop top with balloon sleeves	Crape material pink and purple	86	<button>Edit</button> <button>Delete</button>
4	OID041	2021-10-07T00:00:00.000Z	2021-08-04T00:00:00.000Z	DDT058	Basic ladies t shirt	white, black and yellow cotton material	79	<button>Edit</button> <button>Delete</button>

At the bottom left is a green 'Add' button.

Add check card

The screenshot shows a form for adding a new check card. The sidebar and header are identical to the previous screenshot.

The breadcrumb navigation shows: Home > Quality Check Manager > All Cards > Add Check Card.

The title is 'Add new Check Card'.

The form fields are:

- Order ID: Input field with placeholder 'Enter Order ID'.
- Checked Date: Input field with placeholder 'mm/dd/yyyy' and a calendar icon.
- Arrival Date: Input field with placeholder 'mm/dd/yyyy' and a calendar icon.
- BuyerID: Input field with placeholder 'Enter Buyer ID'.
- Requirement 1: Input field with placeholder 'Enter requirement1'.
- Requirement 2: Input field with placeholder 'Enter requirement2'.
- Qualityrate: Input field with placeholder 'Enter Quality'.

At the bottom is a green 'Save' button with a checked checkbox.

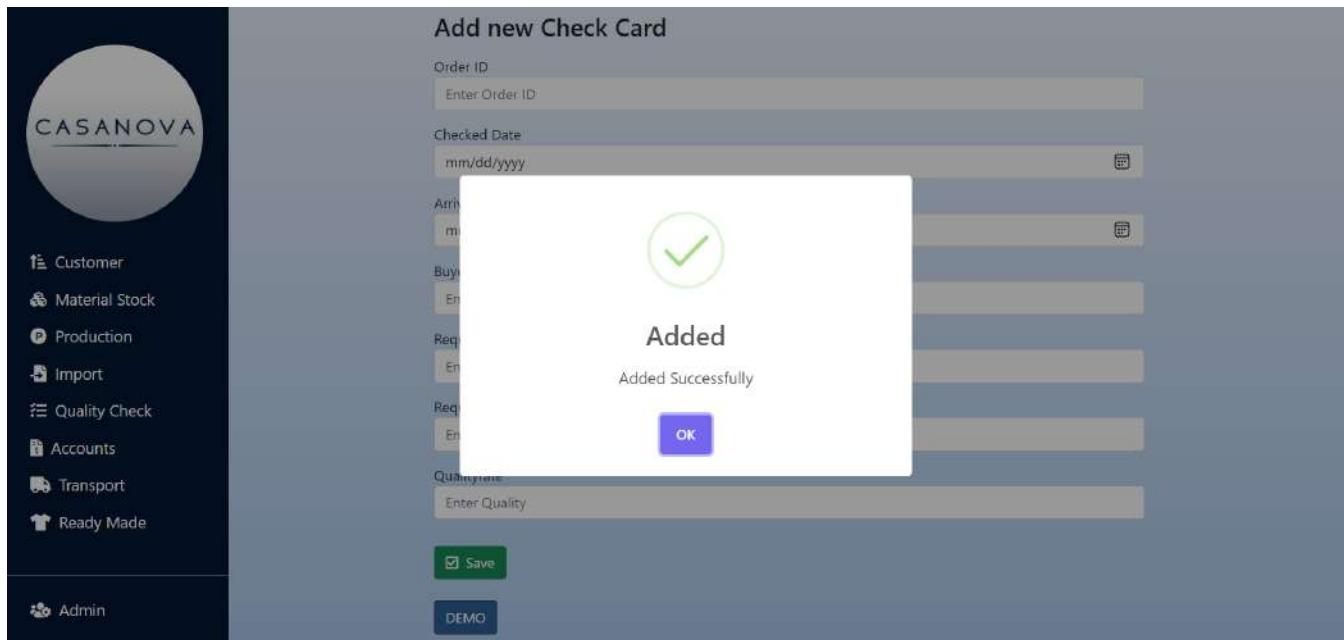
Add new card date validated not to enter coming dates

The screenshot shows a web-based application interface for adding a check card. On the left is a sidebar with a logo and various menu items: Customer, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, and Admin. The main area has a breadcrumb navigation: Home > Quality Check Manager > All Cards > Add Check Card. The title is "Add new Check Card". There are input fields for "Order ID" (OID006), "Checked Date" (10/09/2021), and "Arrival Date" (10/01/2021). A date picker modal is open over the arrival date field, showing the month of October 2021. The calendar grid highlights the 16th of October as the selected date. Other dates are shown in a light gray background.

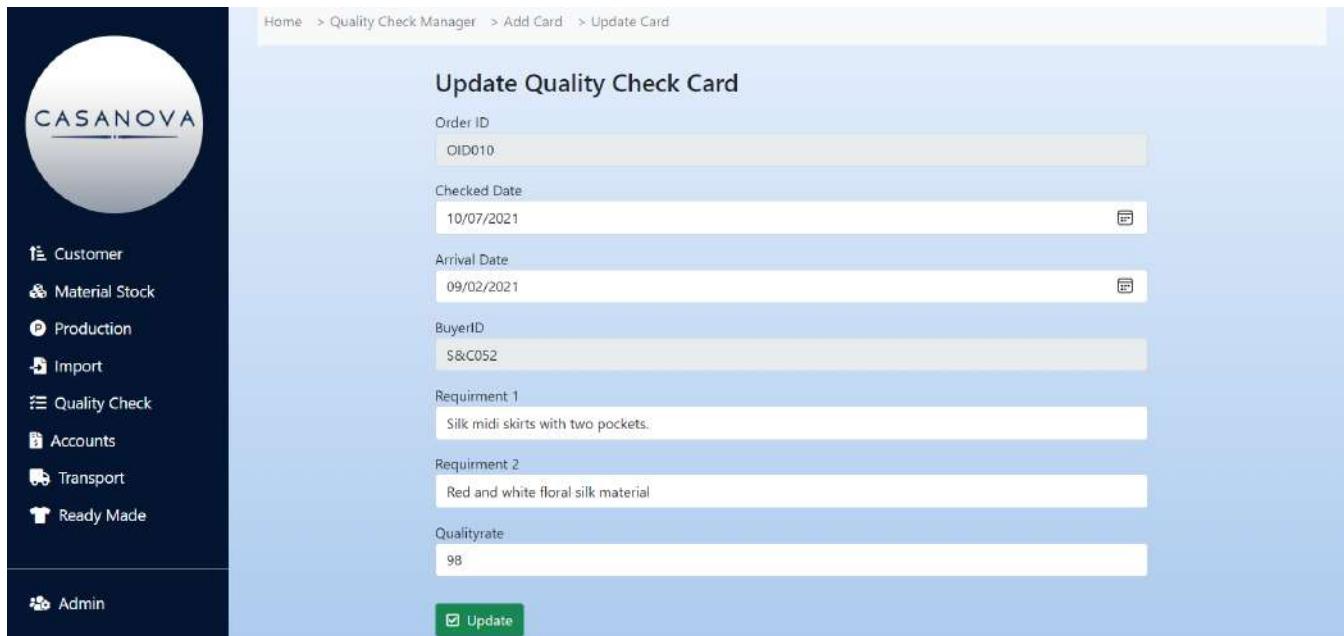
Add card validations. Warning pop up box

The screenshot shows the same application interface as the previous one, but with a validation dialog box overlaid. The dialog has a yellow exclamation mark icon and the word "WARNING" in bold capital letters. Below it is the message "Enter Buyer ID". At the bottom right of the dialog is a blue "OK" button. The background of the main form is dimmed, and the input fields for "Arrival Date" and "Buyer ID" are visible but inactive. The rest of the form fields (Order ID, Checked Date, Request ID, Qualifyrate) are also visible in the background.

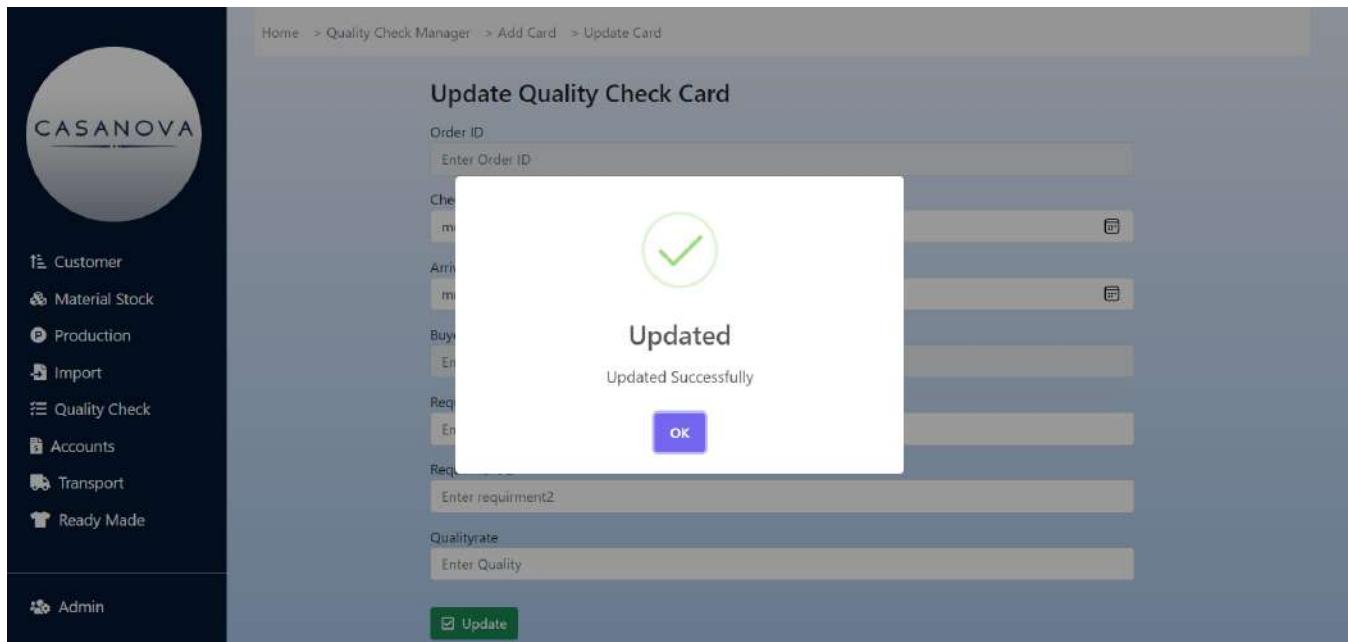
Successfully added pop up message box



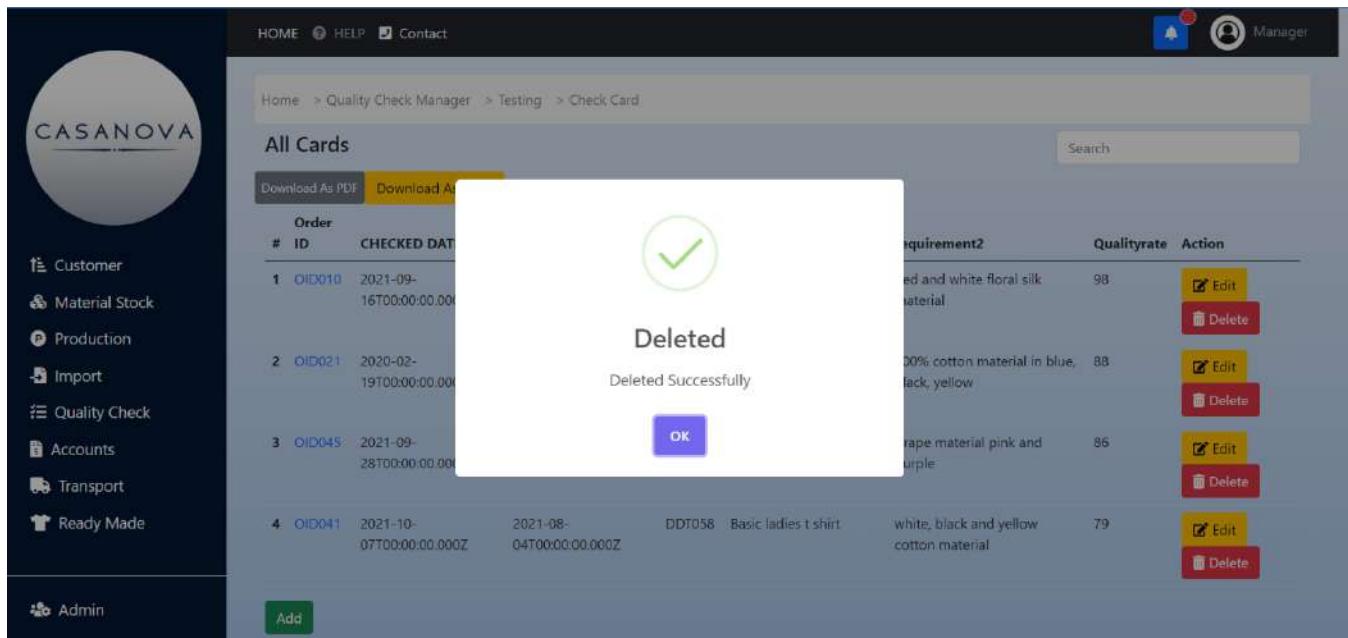
Update check card



Successfully updated pop up box



Successfully deleted pop up box



Quality check details Search

The screenshot shows a web-based application for managing quality checks. On the left, there's a sidebar with a logo and various navigation links: Customer, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, and Admin. The main content area has a header with 'HOME', 'HELP', 'Contact', and a 'Manager' button with a notification icon. Below the header, the breadcrumb navigation shows 'Home > Quality Check Manager > Testing > Check Card'. A search bar contains the value '010'. The main table is titled 'All Cards' and includes columns for Order #, ID, CHECKED DATE, ARRIVAL DATE, BuyerId, requirement1, requirement2, Qualityrate, and Action. One row is shown for Order ID 'OID010', checked on 2021-09-16T00:00:00.000Z, arriving on 2021-07-01T00:00:00.000Z, buyer 'S&C052', requirement1 'Silk midi skirts with two pockets.', requirement2 'Red and white floral silk material', quality rate '98', and action buttons for 'Edit' and 'Delete'.

Quality check Monitoring

The screenshot shows a monitoring report for Order ID 'OID021'. The header indicates the report is for 'CASANOVAQC'. The report details include: Order ID 'OID021', Checked Date '2020-02-19T00:00:00.000Z', Arrival Date '2020-06-10T00:00:00.000Z', Buyer ID 'ODL052', requirement1 'Basic v neck ladies t shirt', requirement2 '100% cotton material in blue, black, yellow', and Quality rate '88'. Below the report, a message says 'All right reserved @casanova' and 'Report auto generated please check the download'. At the bottom, there are three sections: 'TESTING' (with a 'Go Testing' button), 'MONITORING' (with a 'Go Monitoring' button), and 'REPORTING' (with a 'Go Reporting' button).

Footer

The footer contains several links: 'ABOUT US', 'Contact us', and 'Suggestion' under the 'ABOUT US' heading; 'HELP', an envelope icon, a location pin icon, and a star icon under the 'HELP' heading; and a copyright notice '@ Copyright reserved'.

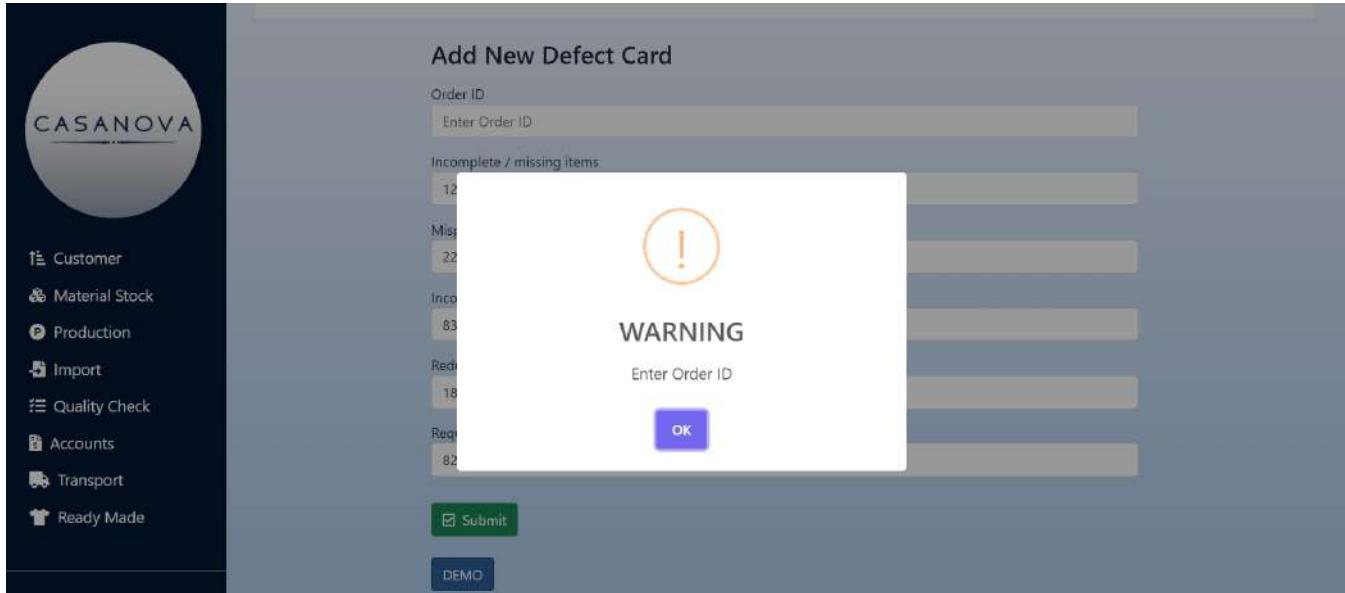
Quality check defect card

The screenshot shows the CASANOVA Quality Check Manager interface. On the left is a sidebar with a logo and various menu items: Customer, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, and Admin. The main area has a breadcrumb navigation: Home > Quality Check Manager > Reporting > Defect Card. Below this is a title 'Add New Defect Card'. There are several input fields for different types of defects:

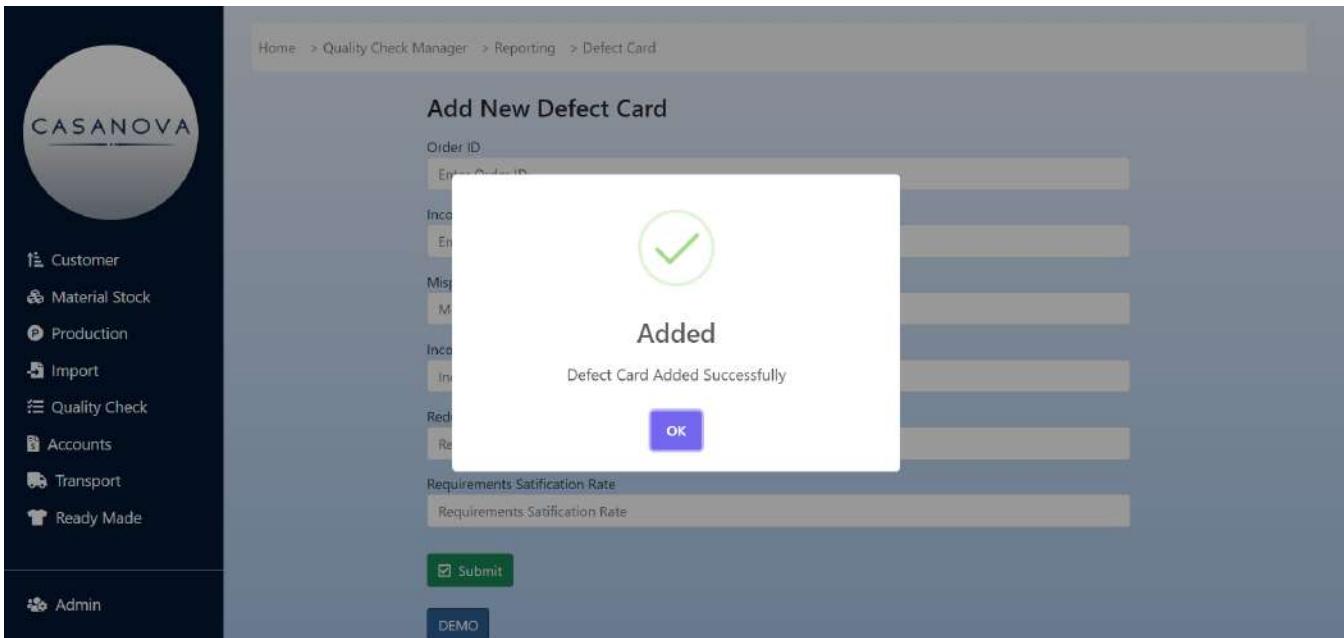
- Order ID: Enter Order ID
- Incomplete / missing items: Enter Incomplete / missing items
- Misplaced items: Misplaced items
- Inconsistency / ambiguous items: Inconsistency / ambiguous items
- Redundant / Duplicate items: Redundant / Duplicate items
- Requirements Satisfaction Rate: Requirements Satisfaction Rate

A green 'Submit' button is at the bottom.

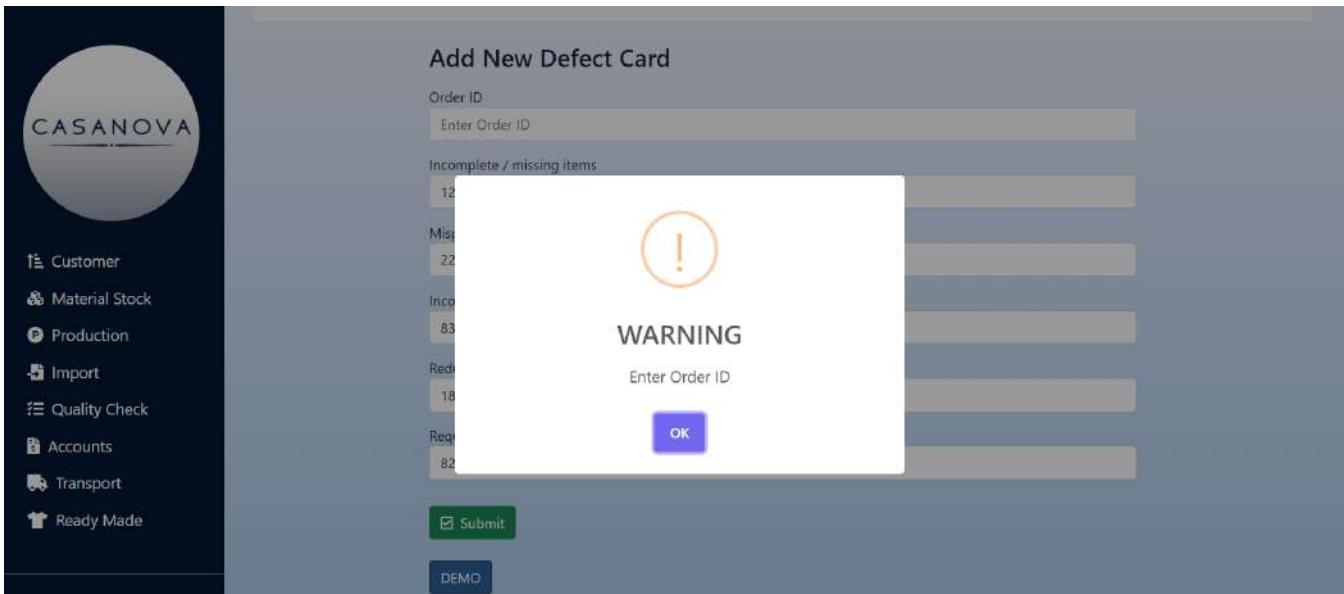
Defect card validations



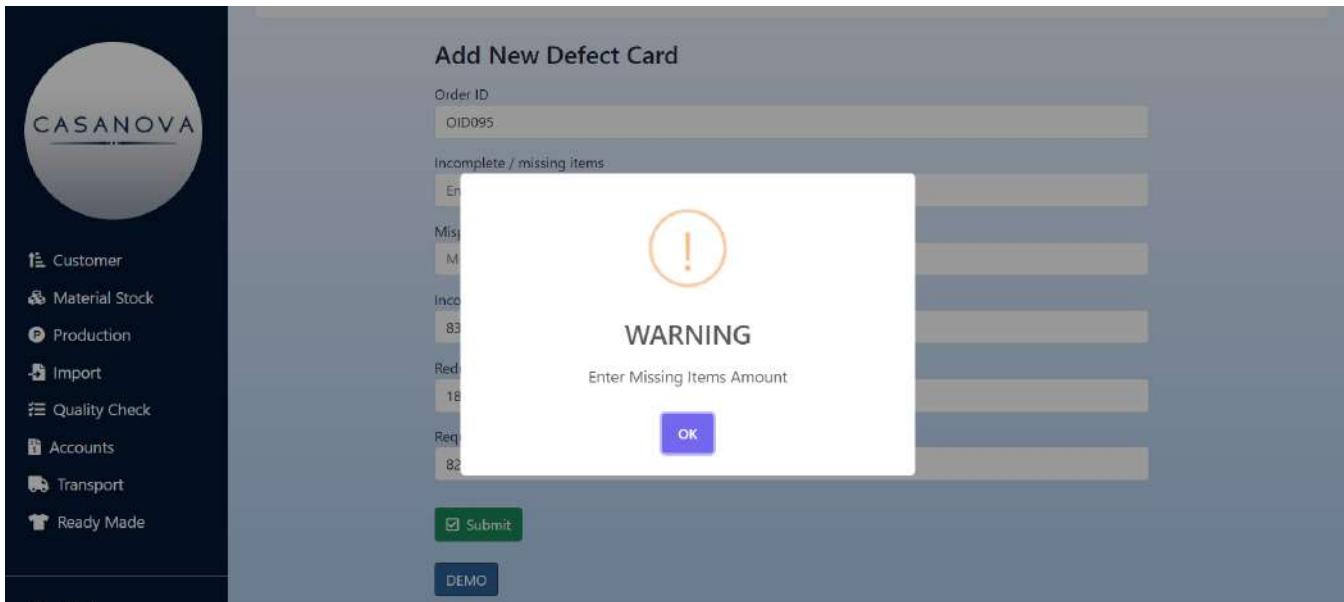
Defect card successfully added popup box



Defect card validations



Defect card validations



Generated report PDF

CASANOVA

Quality SUMMURY

Order ID	Checked Date	ARRIVAL DATE	Buyer ID	Requirement 1	Requirement 2	Qualityrate
OID021	2020-02-19T00:00:00.000Z	2020-06-10T00:00:00.000Z	ODL052	Basic v neck ladies t shirt	100% cotton material in blue, black, yellow	88
OID045	2021-09-28T00:00:00.000Z	2021-04-06T00:00:00.000Z	CC009	Crop top with balloon sleeves	Crape material pink and purple	86
OID041	2021-10-07T00:00:00.000Z	2021-08-04T00:00:00.000Z	DDT058	Basic ladies t shirt	white, black and yellow cotton material	79
OID006	2021-10-09T00:00:00.000Z	2021-10-01T00:00:00.000Z	DD0125	trousers	Light Blue Denim Material	85
OID007	2021-10-09T00:00:00.000Z	2021-09-02T00:00:00.000Z	CC0215	T shirt	white pure cotton	95

Generated report Excel

A	B	C		D	E	F		G
1	#	Order ID	CHECKED DATE	ARRIVAL DATE	BuyerId	requirement1	requirement2	Qualityrate
2	1	OID021	2020-02-19T00:00:00.000Z	2020-06-10T00:00:00.000Z	ODL052	Basic v neck ladies t shirt	100% cotton material in blue, black, yellow	88
3	2	OID045	2021-09-28T00:00:00.000Z	2021-04-06T00:00:00.000Z	CC009	Crop top with balloon sleeves	Crape material pink and purple	86
4	3	OID041	2021-10-07T00:00:00.000Z	2021-08-04T00:00:00.000Z	DDT058	Basic ladies t shirt	white, black and yellow cotton material	79
5	4	OID006	2021-10-09T00:00:00.000Z	2021-10-01T00:00:00.000Z	DD0125	trousers	Light Blue Denim Material	85
6	5	OID007	2021-10-09T00:00:00.000Z	2021-09-02T00:00:00.000Z	CC0215	T shirt	white pure cotton	95
7								
8								

Packing dashboard
Add new packing details

Add New Packing Form

Customer
Enter New customer

Category
Enter category

Payment
Enter payment status

Quantity
Enter quantity

Weight
Enter weight

Due date
mm/dd/yyyy

Address
Enter address

save

Demo

Edit packing details

The screenshot shows the Casanova Admin Dashboard with a sidebar containing various management options like Order Management, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, and Admin. The main content area is titled 'Update Packing Details' and contains fields for Orderid (OID6139), Customer (Sumudu Darshana), Category (short), Payment (done), Quantity (5000), Weight (20), Duedate (10/07/2021), and Address (12/3 Colomombo 12). A green 'UPDATE' button is at the bottom.

Orderid: OID6139

Customer: Sumudu Darshana

Category: short

Payment: done

Quantity: 5000

Weight: 20

Duedate: 10/07/2021

Address: 12/3 Colomombo 12

UPDATE

View packing forms

The screenshot shows the Casanova Admin Dashboard with a sidebar containing various management options. The main content area is titled 'Packing Details' and displays four packing form entries. Each entry includes a 'View Packing Form Details' link, a summary of the form's number, customer, order ID, category, payment, quantity, weight, due date, and address, along with 'Edit' and 'Delete' buttons.

No.	Customer	Order ID	Category	Payment	Quantity	Weight	Due Date	Address	Action
01	Sumudu Darshana	OID6139	short	done	5000	20kg	2021-10-07	12/3 Colomombo 12	Edit Delete
02	Nimith Mihiranga	OID61626	t-shirt	done	5000	12kg	2021-10-07	V3,Malabca,Colombo	Edit Delete
03	Deushan Mihiranga	OID61626	kirt	half done	1000	10kg	2021-09-30	Karapitiya,karapitiya,galle	Edit Delete
04	Ashru madushanka	OID61636	short shirt	partial done	6000	40kg	2021-10-01	Karapitiya,karapitiya,galle	Edit Delete

Packing report

The screenshot shows the Casanova Readymade Dashboard. On the left is a sidebar with a logo and various management links. The main area displays a "Packing Detail Report" table with three rows of data. At the bottom of the table are two download buttons: "Download As Excel" (yellow) and "Download As PDF" (green). A search bar is located at the top right of the main content area.

#	Order ID	Customer	Category	Payment	Quantity	weight	DueDate	Address
1	OID613f9	Sumudu Darshana	short	done	5000	20	2021-10-07	12/3 Colombo 12
2	OID6162e	Nimith Mithsara	t-shirt	Done	5000	12	12/04/2021	1/53,Malabe,Colombo
3	OID6163a	Daushan Mihiranga	skirt	half done	1000	10	2021-09-30	Karapitiya

Report search

The screenshot shows the same Casanova Readymade Dashboard as the previous one, but with a date filter applied. A search bar at the top right contains the date "2021-10-07". The rest of the interface and data are identical to the first screenshot.

#	Order ID	Customer	Category	Payment	Quantity	weight	DueDate	Address
1	OID613f9	Sumudu Darshana	short	done	5000	20	2021-10-07	12/3 Colombo 12

Search packing

The screenshot shows the Casanova Readymade Dashboard. On the left is a dark sidebar with a circular logo at the top containing the word "CASANOVA". Below the logo is a vertical list of menu items: Order Management, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, and Admin. At the bottom of the sidebar is a section labeled "Admin". The main content area has a header "Packing Details" and a search bar containing the text "skirt". Above the search bar is a breadcrumb navigation: Home - Readymade Dashboard - Packing Form -. Below the search bar is a button "Create new Packing Form". A card displays packing details for "No.01": Customer: Deushan Mihiranga, Order ID: OID6163a, Category: skirt, Payment: half done, Quantity: 1000, Weight: 10kg, Due Date: 2021-09-30, Address: Karapitiya. There are "Edit" and "Delete" buttons at the bottom of this card.

View transport schedule

The screenshot shows the Casanova Readymade Dashboard. The left sidebar is identical to the previous screenshot, featuring the "CASANOVA" logo and various management functions. The main content area has a header "Driver Schedule" and a breadcrumb navigation: Home - Readymade Dashboard - Transport Details - Driver Schedule and Vehicle Schedule -. Below this is a card for "No.01" with details: Name: sunil perera, Nic: 1970000012v. Another card for "No.02" shows: Name: Darmapaala, Nic: 1952345412v. A second section titled "Vehicle Schedule" contains two cards: "No.01" with details: Registration No: rc- 4567, Brand Name: tata; and "No.02" with details: Registration No: TC-1111, Brand Name: Mitsubishi L200.

Validation of Packing Form

The screenshot shows the 'Add New Packing Form' page. The form fields and their validation messages are:

- Customer:** Enter New customer. *Customer Is Required.
- Category:** Enter category. *Category Is Required.
- Payment:** Enter payment status. *Payment Is Required.
- Quantity:** Enter quantity. *Quantity Is Required.
- Weight:** Enter weight. *Weight Is Required.
- Due Date:** mm/dd/yyyy. *Date Is Required.
- Address:** Enter address. *Address Is Required.

At the bottom left is a green 'save' button with a checked checkbox, and at the bottom right is a 'Demo' button.

CASANOVA

Packing Details Report

customer name	Order Id	Category	Payment	Quantity	Weight	Due Date	Address
Sumudu Darshana	o13	short	done	5000	20	2021-10-07	12/3 Colomombo 12
Nimith Mithsara	O12	t-shirt	Done	5000	12	12/04/2021	1/53,Malabe,Colombo
Deushan Mihiranga		skirt	half done	1000	10	2021-09-30	Karapitiya

A	B	C	D	E	F	G	H	I	J	K
1	#	Order ID	Customer	Category	Payment	Quantity	weight	DueDate	Address	
2	1	OID613f9	Sumudu Darshana	short	done	5000	20	10/7/2021	12/3 Colomombo 12	
3	2	OID6162e	Nimith Mithsara	t-shirt	Done	5000	12	12/4/2021	1/53,Malabe,Colombo	
4	3	OID6163a	Deushan Mihiranga	skirt	half done	1000	10	9/30/2021	Karapitiya	

Transport Management function (IT20067342 – Jayasuriya J.A.D.A.S.)

Transport Dash

CASANOVA Transport Management

Freight management
Streamline the quote-to-contract process. Efficiently manage freight costing, order management, rate determination, and freight billing and settlement for both multimodal and intermodal transportation.

Driver List Go Driver List

Transport Schedule Go Schedules

Vehicle List Go Vehicle List

Date Validation

#	Registration NO	Engine NO	Brand Name	Date of Manufacture	Action
1	lv -6787	12ex231	Toyota Centra	2001-09-30T18:00:00Z	<input type="button" value="Edit"/> <input type="button" value="Schedule"/> <input type="button" value="Delete"/>
2	Ph 4312	12gh32	Toyota KDH	2014-12-31T18:30:00Z	<input type="button" value="Edit"/> <input type="button" value="Schedule"/> <input type="button" value="Delete"/>
3	rc-4567	qwox45	tata	2009-12-01T18:30:00Z	<input type="button" value="Edit"/> <input type="button" value="Schedule"/> <input type="button" value="Delete"/>
4	TC-2345	54oxGC	Mitsubishi L200	2010-01-11T00:00:00Z	<input type="button" value="Edit"/> <input type="button" value="Schedule"/> <input type="button" value="Delete"/>
5	TC-1111	54oxGC	Mitsubishi L200	2021-09-28T00:00:00Z	<input type="button" value="Edit"/> <input type="button" value="Schedule"/> <input type="button" value="Delete"/>
6	TC-2389	54oxGC	Mitsubishi L200	2017-06-06T00:00:00Z	<input type="button" value="Edit"/> <input type="button" value="Schedule"/> <input type="button" value="Delete"/>

Add Vehicle

Select Driver List

mm/dd/yyyy

Update Vehicle

Vehicle list

The screenshot shows the 'Vehicle Management' section of the CASANOVA application. On the left, there's a sidebar with various management icons and a 'Admin' section. The main area displays a table of vehicles with columns: #, Registration NO, Engine NO, Brand Name, Date of Manufacture, and Action. Each row has three buttons: Edit, Schedule, and Delete.

#	Registration NO	Engine NO	Brand Name	Date of Manufacture	Action
1	kv-6787	12xc231	Toyota Canter	2001-09-30T18:00:00.000Z	<input checked="" type="button"/> Edit <input type="button"/> Schedule <input type="button"/> Delete
2	Ph 4312	12gh32	Toyota KDH	2014-12-31T18:30:00.000Z	<input checked="" type="button"/> Edit <input type="button"/> Schedule <input type="button"/> Delete
3	rc-4567	qwox45	tata	2009-12-01T18:30:00.000Z	<input checked="" type="button"/> Edit <input type="button"/> Schedule <input type="button"/> Delete
4	TC-2345	54eeGC	Mitsubishi L200	2010-01-11T00:00:00.000Z	<input checked="" type="button"/> Edit <input type="button"/> Schedule <input type="button"/> Delete
5	TC-1111	54eeGC	Mitsubishi L200	2021-09-28T00:00:00.000Z	<input checked="" type="button"/> Edit <input type="button"/> Schedule <input type="button"/> Delete
6	TC-2389	54eeGC	Mitsubishi L200	2017-06-06T00:00:00.000Z	<input checked="" type="button"/> Edit <input type="button"/> Schedule <input type="button"/> Delete

[Add Vehicle](#)

Vehicle Schedule

The screenshot shows the 'Vehicle Schedule' section of the CASANOVA application. It features a table of vehicles identical to the one above, followed by a 'Vehicle Schedule' form. The form includes fields for Registration NO (kv-6787), Brand Name (Toyota Canter), and a 'Save' button. There are also buttons for 'Vehicle List' and 'See Schedule'.

Update schedule

The screenshot shows the CASANOVA software interface. On the left is a dark sidebar with a logo and various menu items: Order Management, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, and Admin. The main area has a title "UPDATE VEHICLE". Below it is a table with vehicle details:

#	Registration NO	Engine NO	Brand Name	Date of Manufacture	Action
1	kv-6787	12xc231	Toyota Canter	2001-09-30T18:00:00.000Z	<input checked="" type="button"/> Edit <input type="button"/> Schedule <input type="button"/> Delete
2	Ph-4212	12gh32	Toyota KDH	2014-12-31T18:30:00.000Z	<input checked="" type="button"/> Edit <input type="button"/> Schedule <input type="button"/> Delete
3	rc-4567	quwo45	tata	2009-12-01T18:30:00.000Z	<input checked="" type="button"/> Edit <input type="button"/> Schedule <input type="button"/> Delete
4	TC-2345	54xxGC	Mitsubishi L200	2010-01-11T00:00:00.000Z	<input checked="" type="button"/> Edit <input type="button"/> Schedule <input type="button"/> Delete
5	TC-1111	54xxGC	Mitsubishi L200	2021-09-28T00:00:00.000Z	<input checked="" type="button"/> Edit <input type="button"/> Schedule <input type="button"/> Delete
6	TC-2389	54xxGC	Mitsubishi L200	2017-06-06T00:00:00.000Z	<input checked="" type="button"/> Edit <input type="button"/> Schedule <input type="button"/> Delete

At the bottom of the table is a green button labeled "Add Vehicle".

Update Validations for schedule

This screenshot is similar to the previous one but shows validation errors. In the "Registration NO" field, there is a red error message: "Enter No Register Number is Required". The rest of the fields and the table below are identical to the first screenshot.

Vehicle Report

CASANOVA

Vehicle Detail Report

Register No	Engine No	Brand Name	Manufacture year
kv -6787	12xc231	Toyota Canter	2001-09-30T18:00:00.000Z
Ph 4312	12gh32	Toyota KDH	2014-12-31T18:30:00.000Z
rc- 4567	qwxx45	tata	2009-12-01T18:30:00.000Z
TC-2345	54xxGC	Mitsubishi L200	2010-01-11T00:00:00.000Z
TC-1111	54xxGC	Mitsubishi L200	2021-09-28T00:00:00.000Z
TC-2389	54xxGC	Mitsubishi L200	2017-06-06T00:00:00.000Z

Driver List

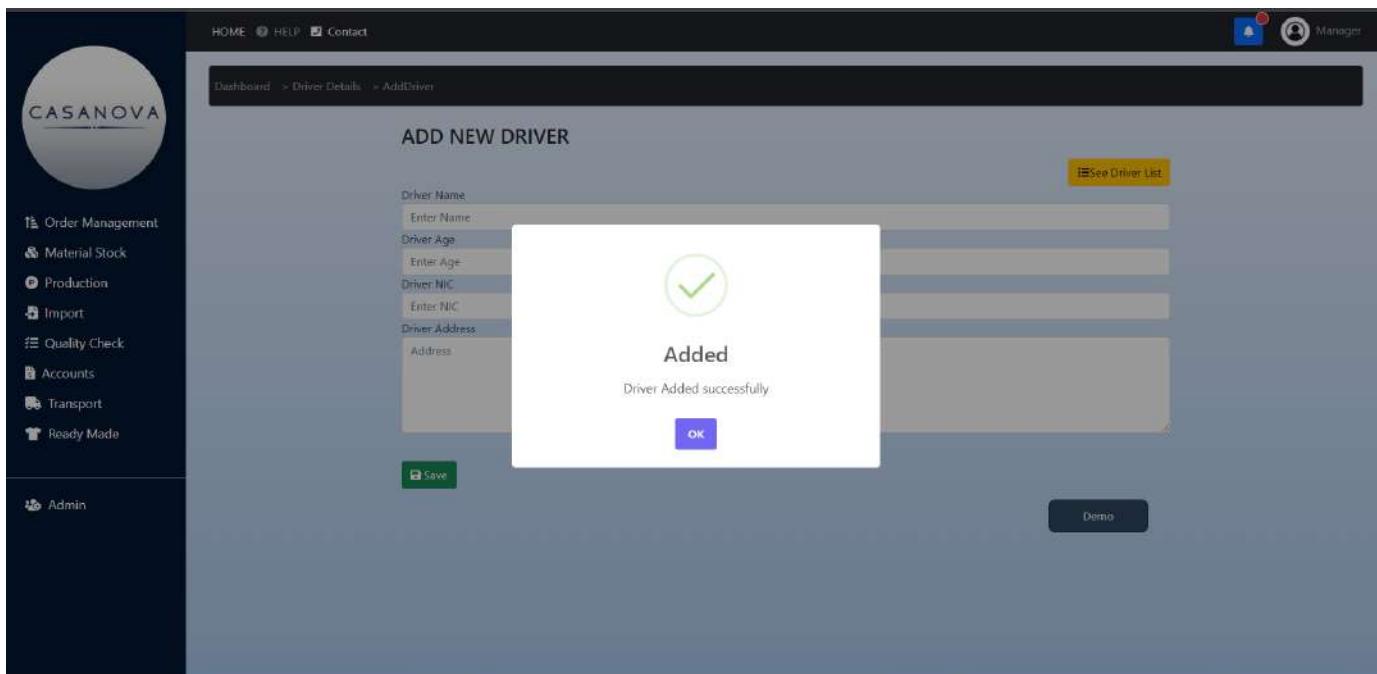
The screenshot shows the 'Driver Management' section of the CASANOVA application. On the left, there's a sidebar with various management icons and links: Order Management, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, Admin, and Help/Contact. The main area has a header 'Driver Management' with a 'Home' button. Below it is a search bar and a table listing four drivers. Each driver row includes columns for #, Driver Name, Age, NIC, Address, and Action (with buttons for Edit, Schedule, and Delete).

#	Driver Name	Age	NIC	Address	Action
1	Amantha Jayasuriya	52	1952345412v	ehaliyagoda	
2	Sunimal lansa	45	1976123478v	Negombo	
3	Sunimal lansa	45	1900123478v	Negombo	
4	Sunimal lansa	45	1990123478v	Negombo	

[Add New Driver](#)

Add a driver

The screenshot shows the Casanova software interface. On the left is a dark sidebar with the Casanova logo at the top. Below it are various menu items: Order Management, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, and Admin. At the bottom of the sidebar is a 'Demo' button. The main area has a light blue header with the title 'ADD NEW DRIVER'. Below the header is a form with several input fields: 'Driver Name' (with validation message 'Name is Required'), 'Driver Age' (with validation message 'Age is Required'), 'Driver NIC' (with validation message 'NIC is Required'), and 'Driver Address' (with validation message 'Address is Required'). There is also a 'Save' button and a 'See Driver List' link. The status bar at the bottom of the screen shows 'Demo'.



Schedule

The screenshot shows the Casanova software interface. On the left is a dark sidebar with a logo and various menu items: Order Management, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, and Admin. The main area has two sections: 'Driver Schedule' and 'Vehicle Schedule'. Both sections have a search bar, a table with columns for ID, Name, NIC, and Action, and a 'Driver List' or 'Vehicle List' button.

Driver Schedule

#	Driver Name	NIC	Action
1	sunil perera	1970000012v	
2	Darmapala	1952345412v	

Vehicle Schedule

#	Registration NO	Brand Name	Action
1	TC-4567	tata	
2	TC-1111	Mitsubishi L200	

Driver update validations

The screenshot shows the Casanova software interface. The sidebar includes the same menu items as the previous screenshot. The main area shows a list of drivers and an 'Edit Driver' form.

Driver List

#	Driver Name	Age	NIC	Address	Action
1	Amantha Jayasuriya	52	1952345412v	ehallyagoda	
2	Sunimal lansa	45	1976123478v	Negombo	
3	Sunimal lansa	45	1900123478v	Negombo	

Edit Driver

Driver Name:
*Name is Required!

Driver Age:

Driver NIC:
*Please Enter valid Nic!

Driver Address:

Account Management function (IT20185220 – Hewage H.K.P.)

Account management dashboard

The screenshot shows the 'CASANOVA ACCOUNTS' dashboard. At the top, there's a navigation bar with 'HOME', 'HELP', 'Contact', a notification icon, and a 'Manager' profile. On the left, a sidebar menu includes 'Order Management', 'Material Stock', 'Production', 'Import', 'Quality Check', 'Accounts' (which is selected), 'Transport', 'Ready Made', and 'Admin'. The main content area features a large image of a team meeting, followed by three smaller images related to business operations: a computer monitor displaying data, a person's hands working on a keyboard, and a person holding a document with a bar chart.

Future plans

The screenshot shows the 'Future Accounts Plans' section. The top navigation bar includes 'HOME', 'HELP', 'Contact', a notification icon, and a 'Manager' profile. A breadcrumb trail shows 'Account Home > Account Future Plan'. Below, there's a search bar and a 'Create new Plan' button. Three cards are displayed, each featuring a 'View Plan' button and edit/delete options. The cards are titled 'increase sales', 'increase quality of product', and 'increase revenue of company'. The background has a watermark for 'Activate Windows'.

All orders

The screenshot shows the CASANOVA software interface. On the left is a dark sidebar with a circular logo at the top containing the word 'CASANOVA'. Below the logo are several menu items: Order Management, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, and Admin. At the bottom of the sidebar is an 'Activate Windows' message with a link to Settings. The main content area has a header 'Account Home - Journal Details - Sale Journal Details -'. Below the header is a table titled 'ALL Order' with the following data:

#	Order ID	Product	unit price	Quantity	Total
1	OID61633	shorts	12	10	120
2	OID61634	blouses	450	250	103500
3	OID61634	tshirt	12	100	1200
4	OID61634	Trouser	120	10	1200

A search bar is located at the top right of the main content area.

Edit future plans

The screenshot shows the CASANOVA software interface. The sidebar is identical to the previous screenshot, featuring the 'CASANOVA' logo and various management functions. The main content area has a header 'Account Home - Account Future Plan - Update Account Future Plan -'. Below the header is a form titled 'Edit Plan' with the following fields:

Plan	increase sales
Section	order section
Description	I suggest to add more sub garments to our company
Requirement	invite to new garment factories
Time Period	1 month

A green 'Update' button is located at the bottom of the form. At the bottom right of the main content area is an 'Activate Windows' message.

Account reports

The screenshot shows the CASANOVA software interface. On the left, there is a vertical sidebar with various menu items: Order Management, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, Admin, and Help/Contact. The main content area is titled "Account Reports". It features a search bar at the top right and a table below it. The table has columns for #, Order ID, Customer Name, Customer Status, Purchase Journal, Sale Journal, General Journal, Other, and Profit. The table contains 9 rows of data. At the bottom of the table, there is a note: "Activate Windows. Go to Settings to activate Windows." Below the table, there are buttons for "Download as Excel file" and "Download as PDF file". The top right corner of the screen shows a notification icon with a red dot and a user profile icon.

#	Order ID	Customer Name	Customer Status	Purchase Journal	Sale Journal	General Journal	Other	Profit
1	OID613fb	NOLIMIT	NORMAL	Rs 10000	Rs 400000	Rs 1200	no	Rs 388800
2	OID61405	deedat	normal	Rs 12000	Rs 45000	Rs 2300	no	Rs 30700
3	OID61406	cool planet	normal	Rs 12000	Rs 24000	Rs 5000	no	Rs 7000
4	OID61407	ODEL	normal	Rs 100000	Rs 2400000	Rs 34000	no	Rs 2266000
5	OID615f7	Odel	special	Rs 120000	Rs 240000	Rs 50000	no	Rs 70000
6	OID61620	Odel	special	Rs 120000	Rs 240000	Rs 50000	no	Rs 70000
7	OID6163a	Nolimit	new	Rs 10000	Rs 2000000	Rs 2300	no	Rs 1987700
8	OID6163a	Romeya	new	Rs 12000	Rs 350000	Rs 2400	no	Rs 335600
9	OID6163c	Odel	special	Rs 120000	Rs 240000	Rs 50000	no	Rs 70000

The screenshot shows the CASANOVA software interface. The left sidebar is identical to the previous screenshot. The main content area is titled "NOLIMIT". It displays a list of customer details in a table format. At the bottom right of the main area, there is a note: "Activate Windows. Go to Settings to activate Windows." The top right corner shows a notification icon with a red dot and a user profile icon.

● Order ID	OID613fb
● Customer Name	NOLIMIT
● Customer Status	NORMAL
● Purchase Journal	Rs 10000
● Sale Journal	Rs 400000
● General Journal	Rs 1200
● Other	no
● Profit	Rs 388800

All shipments

Account Home - Journal Details - Purchase Journal Details -

All Shipments

#	ShipmentID	SupplierID	SupplierName	MaterialID	MaterialName	Quantity	UnitPrice	Date	Total
1	SHP009	SUP00777	Kate linn	MAT88990	cotton	10000	Rs 1000	2021-10-21	Rs 1000000
2		SUP88778	Kate linn	MAT88990	cotton	10000	Rs 1000	2021-10-09	Rs 1000000
3		SUP66778	brown tailor	MAT88779	Fabric	14456	Rs 900	2021-10-02	Rs 13010400
4		SUP5678	Pooja dev	MAT6677	Fabric	15000	Rs 800	2021-10-05	Rs 1200000
5		SUP556645	sam smith	MAT55446	Fabric	12000	Rs 1198	2021-10-05	Rs 14376000
6		SUP88778	Danial devide	MAT88990	cotton	10000	Rs 1000	2021-10-06	Rs 1000000

Activate Windows
Go to Settings to activate Windows.

Retrieve journal

● ALL ● Special Customer ● Normal Customer ● New Customer

Create new

#	Order ID	Customer Name	Customer Status	Purchase Journal	Sale Journal	General Journal	Other	Profit	Action
1	OID613fb	NOLIMIT	NORMAL	Rs 10000	Rs 400000	Rs 1200	no	Rs 388800	Edit Delete
2	OID61405	deedat	normal	Rs 12000	Rs 45000	Rs 2300	no	Rs 30700	Edit Delete
3	OID61406	cool planet	normal	Rs 12000	Rs 24000	Rs 5000	no	Rs 7000	Edit Delete
4	OID61407	ODEL	normal	Rs 100000	Rs 2400000	Rs 34000	no	Rs 2266000	Edit Delete
5	OID615f7	Odel	special	Rs 120000	Rs 240000	Rs 50000	no	Rs 70000	Edit Delete
6	OID61620	Odel	special	Rs 120000	Rs 240000	Rs 50000	no	Rs 70000	Edit Delete
7	OID6163a	Nolimit	new	Rs 10000	Rs 2000000	Rs 2300	no	Rs 1987700	Edit Delete
8	OID6163a	Romaya	new	Rs 12000	Rs 350000	Rs 2400	no	Rs 335600	Edit Delete
9	OID6163c	Odel	special	Rs 120000	Rs 240000	Rs 50000	no	Rs 70000	Edit Delete

Activate Windows
Go to Settings to activate Windows.

Create a new journal

The screenshot shows the CASANOVA software interface. On the left is a sidebar with a logo and various management icons: Order Management, Material Stock, Production, Import, Quality Check, Accounts, Transport, Ready Made, and Admin. The main area is titled 'Create new Accounts' and contains fields for Customer Name, Customer Status, Purchase Journal, Sale Journal, General Journal, and Other. A 'Save' button is at the bottom. A watermark for 'Activate Windows' is visible on the right.

Customer Name
Enter Customer Name

Customer Status
Enter Customer Status

Purchase Journal
Enter Purchase Journal

Sale Journal
Enter Sale Journal

General Journal
Enter General Journal

Other
Enter Other DETAILS

Save

Activate Windows
Go to Settings to activate Windows.
[Demo](#)

CASANOVA

Account Detail Report

Order ID	Customer Name	Customer Status	Purchase Journal(Rs)	Sale Journal(Rs)	General Journal(Rs)	Other	Profit(Rs)
OID002	NOLIMIT	NORMAL	2000	40000	1200	no	36800
OID003	odel	new	123000	200000	56000	no	21000
OID004	deedat	normal	12000	45000	2300	no	30700
OID005	cool planet	normal	12000	24000	5000	no	7000
OID009	ODEL	normal	100000	2400000	34000	no	2266000
OID021	Odel	special	120000	240000	50000	no	70000
OID021	Odel	special	120000	240000	50000	no	70000

Clipboard Font Alignment Number

A1 : X ✓ fx #

A	B	C	D	E	F	G	H	I	J
1	#	Order ID	Customer Name	Customer Status	Purchase Journal	Sale Journal	General Journal	Other	Profit
2	1	OID613fb	NOLIMIT	NORMAL	Rs 10000	Rs 400000	Rs 1200	no	Rs 388800
3	2	OID61405	deedat	normal	Rs 12000	Rs 45000	Rs 2300	no	Rs 30700
4	3	OID61406	cool planet	normal	Rs 12000	Rs 24000	Rs 5000	no	Rs 7000
5	4	OID61407	ODEL	normal	Rs 100000	Rs 2400000	Rs 34000	no	Rs 2266000
6	5	OID615f7	Odel	special	Rs 120000	Rs 240000	Rs 50000	no	Rs 70000
7	6	OID61620	Odel	special	Rs 120000	Rs 240000	Rs 50000	no	Rs 70000
8	7	OID6163a	Nolimit	new	Rs 10000	Rs 2000000	Rs 2300	no	Rs 1987700
9	8	OID6163a	Romaya	new	Rs 12000	Rs 350000	Rs 2400	no	Rs 335600
10	9	OID6163c	Odel	special	Rs 120000	Rs 240000	Rs 50000	no	Rs 70000
11									
12									
13									
14									

Validation Of Account Detail Form



- # Order Management
- # Material Stock
- # Production
- # Import
- # Quality Check
- # Accounts
- # Transport
- # Ready Made

- # Admin

Account Home - Account Details - Create Account Details -

Create new Accounts

Customer Name

Customer Status

Purchase Journal

* purchase journal amount should not be negative.

Sale Journal

* sale journal amount should not be negative.

General Journal

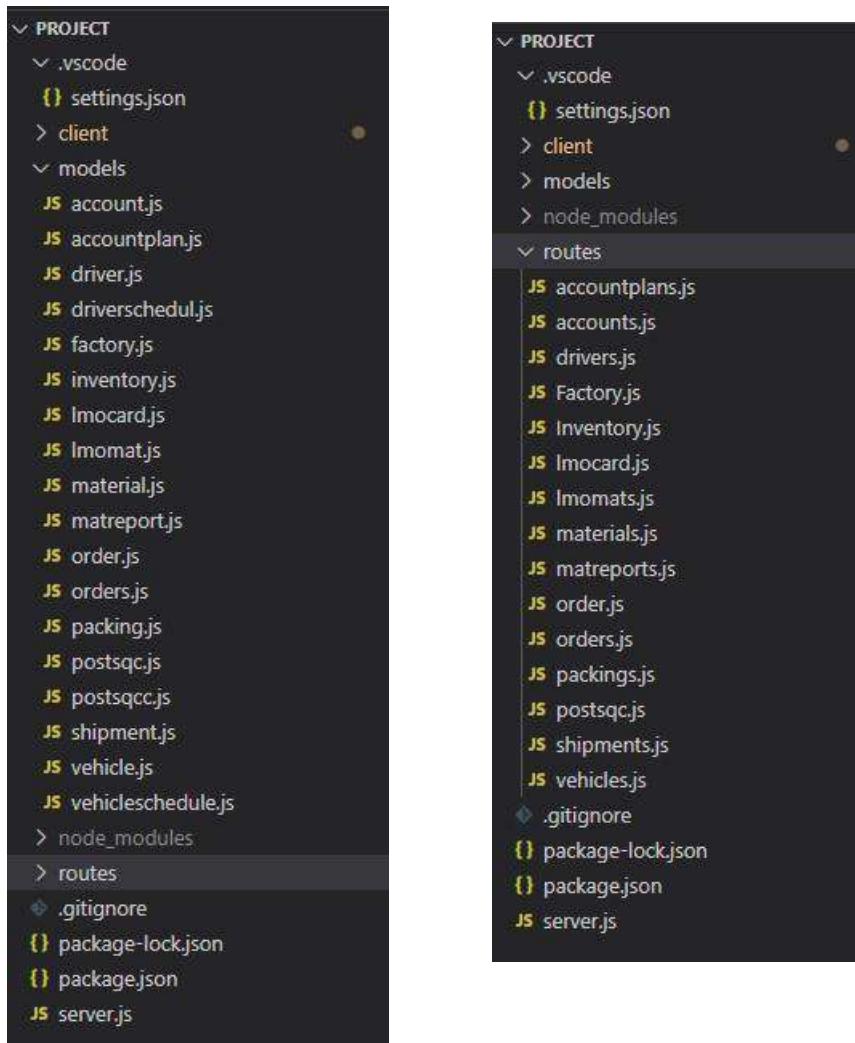
* general journal amount should not be negative.

Other

Save

Activate Windows
Demo
Go to Settings to activate Wind

2.3 Implementation



✓ components		
> createSHvalidate		
> validateAcc		
> validationprocess		
JS AccountCreate.js		
JS AccountDetails.js		
JS AccountEdit.js		
JS AccountHome.js		
JS AccountJournal.js		
JS AccountNavBar.js		
JS AccountplanCreate.js		
JS AccountplanDetails.js		
JS AccountplanEdit.js		
JS AccountplanHome.js		
JS AccountPurchaseJournal.js		
JS AccountReport.js		
JS AccountSaleJournal.js		
JS Adashboard.js		
JS AddDriver.js		
JS AddVehicle.js		
JS AllMain.js		
# buttonload.css		
JS CreateFactory.js		
JS CreateLSmaterial.js		
JS CreatePacking.js		
JS CreatepostQC.js		
JS CreateRawFactory.js		
JS DefectCard.js		
JS DetailsLSmaterial.js		
# DriHome.css		
JS DriHome.js		
JS DriNav.js		
JS Driverschedule.js		
JS Editdriver.js		
JS EditFactory.js		
JS EditLSmaterial.js		
JS EditPacking.js		
JS EditPostQC.js		
	JS EditRawFactory.js	
	JS EditVehicle.js	
	JS FactoryDetails.js	
	JS HomeLSmaterial.js	
	JS HomeQC.js	
	JS index.js	
	JS LmoMatCreate.js	M
	JS LmoMatEdit.js	
	JS LmoMatMain.js	
	JS MagicTool.js	
	JS mainhome.js	
	JS MatDis.js	
	JS MaterialCreate.js	
	JS MaterialDash.js	
	JS MaterialDetails.js	
	JS MaterialEdit.js	
	JS MatIns.js	
	JS MatInsThree.js	
	JS MatInsTwo.js	
	JS MatMain.js	
	JS MatNotification.js	
	JS MatReportAdd.js	
	JS MatReportEdit.js	
	JS MatReportMain.js	
	JS MatSideNav.js	
	JS NavBar.js	
	# navStyle.css	
	# Navstyles.css	
	JS neworder.js	
	JS neworderdetail.js	
	JS orderCreate.js	
	JS orderDashboard.js	
	JS orderDetails.js	
	JS orderEdit.js	
	JS orderHome.js	
	JS PackingDetails.js	
	JS packingHome.js	
	JS packingtrasport.js	
	JS PMDashboard.js	
	# PMfootstyle.css	
	JS pmHome.js	
	JS PMNavBar.js	
	JS PostDetailsQC.js	
	JS QualityDash.js	
	JS RawFactoryDetails.js	
	JS RawFactoryHome.js	
	JS ReportDetails.js	
	# RMdashbord.css	
	JS RMDashbord.js	
	# RMnav.css	
	JS RMNavBar.js	
	JS RMReport.js	
	JS schedule.js	
	JS searchFactory.js	
	JS SHdashboard.js	
	JS ShipmentCreate.js	
	JS ShipmentDetails.js	
	JS ShipmentEdit.js	
	JS ShipmentHome.js	
	JS ShipmentNavBar.js	
	# shstyleSideNav.css	
	JS SideBar.js	
	# style.css	
	# style2.css	
	# styleSideNav.css	
	# TMfooter.css	
	JS TMSDash.js	
	JS TMSSchedule.js	
	# TMSStyle.css	
	# vehicleDash.css	
	JS vehicleDash.js	
	JS VehicleSchedule.js	
	JS Vehischedule.js	
> common		
> TMSvalidation		
# App.css		
JS App.js		

Dependencies

```
1  {
2    "name": "frontend",
3    "version": "0.1.0",
4    "private": true,
5    "dependencies": {
6      "@testing-library/jest-dom": "^5.14.1",
7      "@testing-library/react": "^11.2.7",
8      "@testing-library/user-event": "^12.8.3",
9      "aos": "^2.3.4",
10     "axios": "^0.21.4",
11     "bootstrap": "^5.1.1",
12     "chart.js": "^3.5.1",
13     "concurrently": "^6.2.1",
14     "html2canvas": "^1.3.2",
15     "jspdf": "^2.4.0",
16     "jspdf-autotable": "^3.5.20",
17     "moment": "^2.29.1",
18     "react": "^17.0.2",
19     "react-chartjs-2": "^3.0.5",
20     "react-dom": "^17.0.2",
21     "react-html-table-to-excel": "^2.0.0",
22     "react-router-dom": "^5.3.0",
23     "react-scripts": "4.0.3",
24     "react-to-print": "^2.13.0",
25     "sweetalert2": "^11.1.5",
26     "trim": "^1.0.1",
27     "web-vitals": "^1.1.2"
28   },
```

Validations

```
48     //validation
49     validate= ()=>{
50         let matIDError="";
51         let matNameError="";
52         let supIDError="";
53         let supNameError="";
54         let arrDateError="";
55         let shipIDError="";
56         let priceError="";
57         let qtyError="";
58         let categoryError="";
59         let descriptionError="";
60
61         //statements
62         // if(!this.state.matID){
63             // matIDError="*Material ID is Required!"
64         // }
65
66
67
68         if(!this.state.matName){
69             matNameError="*Material name is Required!"
70         }
71
72         if(!this.state.supID){
73             supIDError="*Supplier ID is Required!"
74         }
75         if(!this.state.supName){
76             supNameError="*Supplier name is Required"
77         }
78
79         if(!this.state.arrDate){
80             arrDateError="*Arrival date is Required"
81         }
82     }
```

Demo Button

```
170 //Demo button
171 btnDemo = (e) => {
172   e.preventDefault();
173
174   const {matName, supID, supName, arrDate, shipID, price, qty, category, description} = this.state;
175
176   const data = {
177     // matID: matID,
178     matName: matName,
179     supID: supID,
180     supName: supName,
181     arrDate: arrDate,
182     shipID: shipID,
183     price: price,
184     qty: qty,
185     category: category,
186     description: description,
187   }
188
189   console.log(data)
190
191   this.setState(
192     {
193       // matID: "MAT003",
194       matName: "Cashmere",
195       supID: "SUP002",
196       supName: "Xiong",
197       arrDate: "11/10/2021",
198       shipID: "SHP004",
199       price: "1500",
200       qty: "1000",
201       category: "Fabric",
202       description: "Wool lustrous",
203     }
204   )
205 }
```

PDF Generate

```
10  const generatePDF = material => {
11    const doc = new jsPDF();
12    const tablecolumn = ["MAT NAME", "SUPID", "ARRIVAL DATE", "SHIPID", "PRICE", "QTY", "CATEGORY","TOTAL"];
13    const tableRows = [];
14
15    material.map(material => {
16      const materialdata = [
17        material.matName,
18        material.supID,
19        material.arrDate,
20        material.shipID,
21        material.price,
22        material.qty,
23        material.category,
24        material.price*material.qty,
25      ];
26      tableRows.push(materialdata);
27    })
28    doc.text("CASANOVA", 70,8).setFontSize(13);
29    doc.text("INVENTORY SUMMARY", 14, 16).setFontSize(13);
30    doc.autoTable(tablecolumn, tableRows, { styles: { fontSize: 8, }, startY: 35 });
31    doc.save("INVENTORYSUMMARY.pdf");
32  }
33 }
```

Excel Sheet Generate

```
212 <ReactHTMLTableToExcel
213
214   id="test-table-xls-button"
215   className="btn btn-warning"
216   table="tableeee"
217   filename="Inventory Summary"
218   sheet="tablexls"
219   buttonText="Download As Excel" />
220
```

Validation Of the AddDriver Form

- ❖ This bunch of code represented the validation part of the “Add New Driver form”. In the form all the fields are required to submit driver details in to the database. And also NIC number has validation pattern for caught invalid format of NIC numbers.

```
validate= ()=>{
    let nameError="";
    let ageError="";
    let nicError="";
    let addressError="";

    if(!this.state.name){
        nameError="*Name is Required!"
    }
    if(!this.state.nic){
        nicError="* NIC is Required!"
    }
    else if (!this.state.nic.match('[0-9+]{10}[vV|xX]$')){
        nicError= '*Please Enter valid Nic!'
    }

    if(!this.state.address){
        addressError="* Address is Required!"
    }
    if(!this.state.age){
        ageError="* Age is Required"
    }
    if(this.state.age.toString().match('-')){
        ageError="* Age should not be negative"
    }

    if(nameError||ageError||nicError||addressError){
        this.setState({nameError,ageError,nicError,addressError});
        return false;
    }

    return true;
}
```

```
<label style={{marginBottom:'15px'}}>Driver NIC</label>
```

```

<input type='text' placeholder='Enter NIC' className = 'form-control'
       name="nic" value={this.state.nic}
       onChange={this.handleInputChange} required>

      <div style={{fontSize:12 ,color:"red"}}>
          {this.state.nicError}
      </div>

```

- ❖ By putting this piece of code for each field to validate the each field and also display warning message when validation success.

```

<div style={{fontSize:12 ,color:"red"}}>
    {this.state.nicError}
</div>

```

- ❖ NIC Number must be unique. If transport manager try to add already existing NIC number system avoid the submitting form with duplicate NIC. This validation is implemented in the ‘driver.js’ model in the model folder.

```

/**
 * Validates unique NIC
 */
driverSchema.path('nic').validate(async (nic) => {
  const nicCount = await mongoose.models.Driverdb.countDocuments({ nic })
  return !nicCount
}, 'NIC already exists'

)

```

Driver Schdule

- ❖ Transport manager can add any driver in to the schedule by clicking “Schedule” button which is located in the driver details component. After clicking Schedule button “driver name” and “driver nic” values are passed to another component called “schedule.js”. For this task developer should implement special routes like mentioned in below.

```

//schedule routes
router.get('/driverschedul/Driverschedule',(req,res)=>{
  Drivershe.find().exec((err,driverschedul)=>{
    if(err){
      return res.status(400).json({
        error:err
      });
    }
  }
}

```

```

        return res.status(200).json({
            success:true,
            existingPosts:driverschedul
        });
    });
});

router.post('/driver/Driverschedule/save',(req,res)=>{
    let newDriver = new Drivershe(req.body);

    newDriver.save((err)=>{
        if(err){
            return res.status(400).json({
                error:err
            })
        }
        return res.status(200).json({
            success:"New Driver Added Successfully"
        });
    });
});

router.delete('/driverschedul/deletedriver/:id',(req,res)=>{
    Drivershe.findByIdAndRemove(req.params.id).exec((err,deletedriver)=>{
        if(err) return res.status(400).json({
            message:"delete Unsuccessful",err
        });

        return res.json({
            message:"Delete Successfull",deletedriver
        });
    })
})
})

```

Creating model as “driverschedul.js”

```

const mongoose = require ('mongoose')

const driverSchemaSchedule= new mongoose.Schema({
    name:{
        type:String,
        required: [true,'Please Enter Name']
    },
    nic:{
        type:String,
        required:[true,'Please enter NIC number'],
        maxlength:[12, 'Please enter valid NIC ']
    }
})

```

```

        }
    })
module.exports= mongoose.model('driverschedules',driverSchemaSchedule)

```

Vehicle Schedule

- ❖ Transport manager can add any vehicle in to the schedule by clicking “Schedule” button which is in the vehicle details component. After clicking Schedule button “vehicle brandname” and “vehicle’s Registration Number” values are passed to another component called “vehischedul.js”. For this task developer should implement special routes like mentioned in below.

```

❖ //schedule routes
❖ router.get('/vehicleschedule/VehicleSchedule',(req,res)=>{
❖     Vehicleshe.find().exec((err,vehicleschedule)=>{
❖         if(err)
❖         {
❖             return res.status(400).json({
❖                 error:err
❖             });
❖
❖
❖         }
❖         return res.status(200).json({
❖             success:true,
❖             existingPosts:vehicleschedule
❖         });
❖     });
❖ });
❖
❖ router.post('/vehicle/VehicleSchedule/save',(req,res)=>{
❖     let newVehicle= new Vehicleshe(req.body);
❖
❖     newVehicle.save((err)=>{
❖         if(err)
❖         {
❖             return res.status(400).json({
❖                 error:err
❖             })
❖         }
❖         return res.status(200).json({
❖             success:"New Vehicle Added Successfully"
❖         });
❖     });
❖ });
❖
❖ router.delete('/vehicleschedule/deletevehicle/:id',(req,res)=>{
❖     Vehicleshe.findByIdAndRemove(req.params.id).exec((err,deletevehicle)=>{
❖         if(err) return res.status(400).json({
❖             messege:"delete unsuccessfull"
❖         });
❖     });

```

```

    })
    return res.json({
        messege:"Delete Successfull",deletevehicle
    });
})
}

```

Creating model as “vehicleschedul.js”

```

const mongoose= require('mongoose')
const vehicleSchemaschedule= new  mongoose.Schema({
    regno:{
        type:String
    },
    brandname:{
        type:String
    }
})

module.exports= mongoose.model('vehicleschedules',vehicleSchemaschedule)

```

Account Management Calculation

```

{this.state.account.map((account,index)=>(

```

index+1	{`OID\${account._id.substr(0,5)}`}	{account.cusName}	{account.cusStatus}	Rs {account.pjournal}	Rs {account.sjournal}	Rs {account.gjournal}	{account.other}	Rs {Number(account.sjournal)-(Number(account.pjournal)+Number(account.gjournal)) }
---------	---	-------------------	---------------------	-----------------------	-----------------------	-----------------------	-----------------	---

Calculation the profit using journal amounts (sale journal, purchase journal ,general journal.

2.4 Testing

Test ID	Test Inputs	Expected Output	Actual Output	Result (Pass/Fail)	Description
1	Product: Trouzers Quantity: 1000	Fabric(Meters): 7000 Zippers: 1000 Button: 1000	Fabric(Meters): 7000 Zippers: 1000 Button: 1000	Pass	Perfect Calculation
2	Product: Shorts Quantity: 1500	Fabric(Meters): 6000 Zippers: 1500 Button: 1500	Fabric(Meters): 6000 Zippers: 1500 Button: 1500	Pass	Very Accurate
3	Product: Blouses Quantity: 3000	Fabric(Meters): 15000 Zippers: 0 Button: 0	Fabric(Meters): 15000 Zippers: 0 Button: 0	Pass	Calculation work properly
4	Retrieve items	Retrieve all the material correctly.	Retrieve all the material according to the material id.	Pass	Inventory Management Retrieve All the items verry accurately.
5	Add materials to the database	Display the pop-up box.	Display the pop-up box.	Pass	Correctly added the data to the material database.

6	Add negative values to the price fields.	Show the negative input validations.	Show the negative input validations.	Pass	Material add form shows the negative input validations.
7	Add negative values to the qty fields.	Show the negative input validations.	Show the negative input validations.	Pass	Material add form shows the negative input validations.
8	Try to add a future date to the material add form.	Restrict the future dates in the input fields.	Restrict the future dates in the input fields.	Pass	Material add form didn't show the future dates.
9	Edit the material card and show the edit material popup box.	Show the material edit pop up box.	Show the material edit pop up box.	Pass	Very Accurate
10	Add order qty as 1000.	Add the data correctly to the database as qty=1000	Add the data correctly to the database as qty=1000	Pass	Order management validate the data.
11	Add order description.	Successfully edit the data in the database.	Successfully edit the data in the database & show the pop up box	Pass	Order management function edit the data.

12	Delete order from the database.	Successfully deleted the data from the database.	Successfully deleted the data from the database & show the pop up box.	Pass	Order management function delete the data.
13	Select a factory using the capacity.	Show the correct factories.	Show the correct factories.	Pass	Production management function shows the factory correctly.
14	Add a factory to the database	Add data to the database correctly and show the pop-up box.	Add data to the database correctly and show the pop-up box.	Pass	Production management function add data correctly to the database.
15	Edit a factory to the database	Edit data in the database correctly and show the pop-up box.	Edit data in the database correctly and show the pop-up box.	Pass	Production management function edit data correctly from the database.
16	Retrieve the QC card from the database.	Retrieve a QC card from the database.	Retrieve a QC card from the database.	Pass	Quality Check management function retrieve the correct data according to the QC ID.
17	Add the QC card to the database.	Show the pop up box as added successfully.	Show the pop up box as added successfully.	Pass	Quality Check management function add the data to the database.

18	Add a shipment card to the database.	Show the pop up box correctly in the system.	Show the pop up box correctly in the system.	Pass	Import management function add the data to the database correctly.
19	Edit a shipment card from the database.	Show the pop up box correctly in the system.	Show the pop up box correctly in the system.	Pass	Import management function edit the data to the database correctly.
20	Add a vehicle to the system.	Show the pop up box correctly in the system.	Show the pop up box correctly in the system.	Pass	Transport management function add the data to the database correctly.
21	Remove a vehicle from the system.	Show the pop up box correctly in the system.	Show the pop up box correctly in the system.	Pass	Transport management function delete the data from the database.
22	Retrieve ready made cards from the database.	Show all the ready made cards.	Show all the ready made cards.	Pass	Ready made management function works properly.

3. Conclusion

The overall objective and purpose of this system for Casanova Inventory control system was built to manage and control all the procedures inside the company. After the discussions with the client, came up with implementing eight main functions according to the needs of the client. Those functions were implemented by using MERN stack. Those functions are user friendly, efficiency to use, accurate, and secure. This system is being planned to host using HEROKU. The customer was satisfied by the final product.

4. References

<https://www.javatpoint.com/>

<https://www.w3schools.com/>

Appendix A: Design Diagrams

No Appendix design diagrams.

Appendix B: Test Results

No Appendix test results

Appendix C: Selected Code Listings

No Appendix selected Code Listings