Software Requirements Specification

For

PAMUNUWILA HARDWARE

Version <1.1>

Prepared by

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Course: PROFESSIONAL DIPLOMA IN SOFTWARE ENGINEERING

Batch: Griffins

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Date: 17th July 2021

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Introduction

PAMUNUWILA HARDWARE (Pvt) Ltd needs a Desktop Software Application to facilitate all their day-to-day activities. The SRS document for the project is designed in this way and describes the Document Purpose, Product Scope, Definitions Acronyms and Abbreviations, References, and Acknowledgments related to that document here.

Document Purpose

The main purpose of creating this software application is to make the day-to-day activities of PAMUNUWILA HARDWARE (Pvt) Ltd easier and more efficient.

Through this Software Application, functions such as Managing Users, Managing Suppliers, Managing Customers, Managing Transporters, Managing Companies, Managing Products, Managing GRN, Managing Sales, Managing Deliveries, Managing Stock, Generate Invoices, Generate History Reports, Obtaining Budget Data, and Backup & Restore Data, etc. It is the client's intention to make it easier and more efficient.

Currently, PAMUNUWILA HARDWARE (Pvt) Ltd performs all these functions manually and due to the inefficiency of the manual methodology, all parties are constantly subjected to various inconveniences.

Therefore, the main purpose of this document is to accurately identify the client's needs and gather the information needed to create a Desktop Software Application that can meet all of those requirements correctly.

Product Scope

PAMUNUWILA HARDWARE (Pvt) Ltd is a Hardware Shop. The main function of such a business is to buy and sell goods (Construction Materials). Therefore, PAMUNUWILA HARDWARE (Pvt) Ltd needs an Inventory Control System.

Owners, Managers, Suppliers, Customers, Transporters, Employees, Cashiers, and Accountants are all involved in this business.

Creating this desktop software application makes it easier for these parties to manage, manage transactions between these parties, maintain inventory data, and maintain account data.

The work of PAMUNUWILA HARDWARE (Pvt) Ltd is now much easier and more efficient as the work has become easier as mentioned above. This is the main purpose of creating this Software Application.

In addition, the Software Application offers a number of benefits such as saving a lot of time on account and warehousing, ease of human resource management and minimizing transaction errors.

Definitions, Acronyms and Abbreviations

- GRN – Goods Received Note

References and Acknowledgments

https://inventoryplus.in/

Special thanks to our adviser Miss Narmada Harischandra for continuous help in every stage of the project and who continuously gives us her priceless advice to prepare this document.

Overall Description

Software Perspective

This Desktop Software Application is designed for a Hardware Shop. Construction materials are bought and sold in this business.

This software application has a number of interfaces such as Main Interface and Sub-Interfaces. Login Form Interface, Home Page Interface, GRN Manager Interface, Sales Manager Interface, Delivery Manager Interface, Product Manager Interface, Supplier Manager Interface, Customer Manager Interface, Company Manager Interface, About interface, user Manager Interface, Transporter Manager Interface, Setting interface, Backup & Restore interface, Invoice & Reports Generate Interfaces and etc. are some of those interfaces.

The first interface that appears to anyone running this application is the Login Form Interface. The username and password must be entered to it. The first thing anyone who accesses this software application with a username and password will see is the Home Page Interface. It provides connectivity to all other interfaces. About interface displays information about this application. Grn is handled by the Grn Manager Interface. Sales are handled by the Sales Manager Interface. Deliveries are handled by the Delivery Manager Interface. Products are handled by the Product Manager Interface. Suppliers are handled by the Supplier Manager Interface. Customers are handled by the Customer Manager Interface. Companies are handled by the Company Manager Interface. Users are handled by the User Manager Interface. Transporters are handled by the Transporter Manager Interface. The Settings Interface provides settings. The Backup & Restore interface allows to backup and restore the database. Invoice & Reports are Generate and Print by the Invoice & Reports Generate Interfaces.

These interfaces are always interconnected.

Users and Characteristics

- *Owner*
- *Manager*
- *Cashier*
- *Accountant*
- *Employee*
- *Supplier*
- *Customer*
- *Transporter*

Owner: *Has the privilege of supervising and delegating all functions handled by the system. He has direct access to everything the system does and also have direct access to the Software Application. The Owner has the power to make backups and restore the system. He will be able to get all kinds of records in the system. He also has the power to direct and decide all parties involved in the business.*

Manager: *Has the privilege of overseeing and delegating certain functions handled by the system. He has direct access to most of the work done by the system and also have direct access to the Software Application. The Manager has the power to make backups and restore the system. He will be able to*

get many types of records in the system. He also has the power to direct and decide certain parties involved in the business.

Cashiers: *The party that trades money in the hardware shop. Have direct access to the Software Application. He can print invoices and reports.*

Accountant: *The party that manages the accounts related to the business. Have direct access to the Software Application. He can get any account records in the system.*

Employees: *are the working party in the hardware shop. Does not have direct access to the Software Application but can be given direct access to an employee according to the owner's authority.*

Supplier: *The supplier of construction materials required for the business. Does not have direct access to the Software Application. Directly guided by the Supplier Manager Interface.*

Customer: *The party that buys the construction materials from the business. Does not have direct access to the Software Application. Directly guided by the Customer Manager Interface.*

Transporter: *The party that transports construction materials to the customers. Does not have direct access to the Software Application. Directly guided by the Transporter Manager Interface.*

Operating Environment <Optional>

Below is the list of operating environments according to the hotel management system.

Operating system: Windows / iOS / Mac OS
Database: database + SQL (MySQL)
Distribute database
Platform: Java
Sever System, client System
Language: Software must be only English
Memory: System will have only 10GB of space of data server

Design and Implementation Constraints <Optional>

It is suggested that the company contribute to ensuring that the security of the system is always in place, as security is a major barrier, which must be encrypted with XML records and security is essential to ensure personal and corporate information. The company is reliable in maintaining the software and will receive maximum support from the developers for consistent upgrades and constant updates.

Specific Requirements

External Interface Requirements

User Interfaces

The User Interface is described by the following points.

Interface Name	Description
Login Form And Login Button	Interface and Button for accessing the Main Interface (Home page) and Sub-Interfaces by entering the username and password.
Home Page	The First Interface that appears to anyone who logs in to this Software Application with a username and password.
GRN Manager Interface	The Interface that deals about GRN.
Sales Manager Interface	The Interface that deals about Sales.
Delivery Manager Interface	The Interface that deals about Deliveries.
Product Manager Interface	The Interface that deals about Products.
Supplier Manager Interface	The Interface that deals about suppliers.
Customer Manager Interface	The Interface that deals about Customers.
Company Manager Interface	The Interface that deals about Companies.
About Interface	The Interface that displays information about this application.
User Manager Interface	The Interface that deals about Users.
Transporter Manager Interface	The Interface that deals about Transporters.
Settings Interface	The Interface that provides settings.
Backup & Restore Interface	The Interface that allows to backup and restore the Database.
Invoice & Report Generate Interfaces	The Interface that displays Various Invoices & Reports.
Message Dialog Boxes	To display Error Messages and Notifications.
Register Buttons	Buttons for inserting various data involved in the business.
Save Buttons	Buttons for inserting various data involved in the business.
Update Buttons	Buttons for updating various data involved in the business.
Remove Buttons	Buttons for deleting various data involved in the business.
New Buttons	Buttons for clearing Text Fields.
Search Buttons	Buttons for searching for something in the Software Application.
Add Row Buttons	Buttons for adding rows in a Table.
Delete Row Buttons	Buttons for deleting rows in a Table.
Invoice & History Buttons	Buttons for generating Invoices and various Reports.
Print Buttons	Buttons for printing Various Invoices & Reports.

Hardware Interfaces

This software application designed for PAMUNUWILA HARDWARE (Pvt) Ltd runs on a desktop computer environment. The functionality of this software application is based on the hardware in the desktop computer environment such as RAM. Accordingly, this company basically needs a desktop-type computer with a level of performance that can run this software application. In addition, you will need a Pinter to print the Invoice and Reports.

Software Interfaces

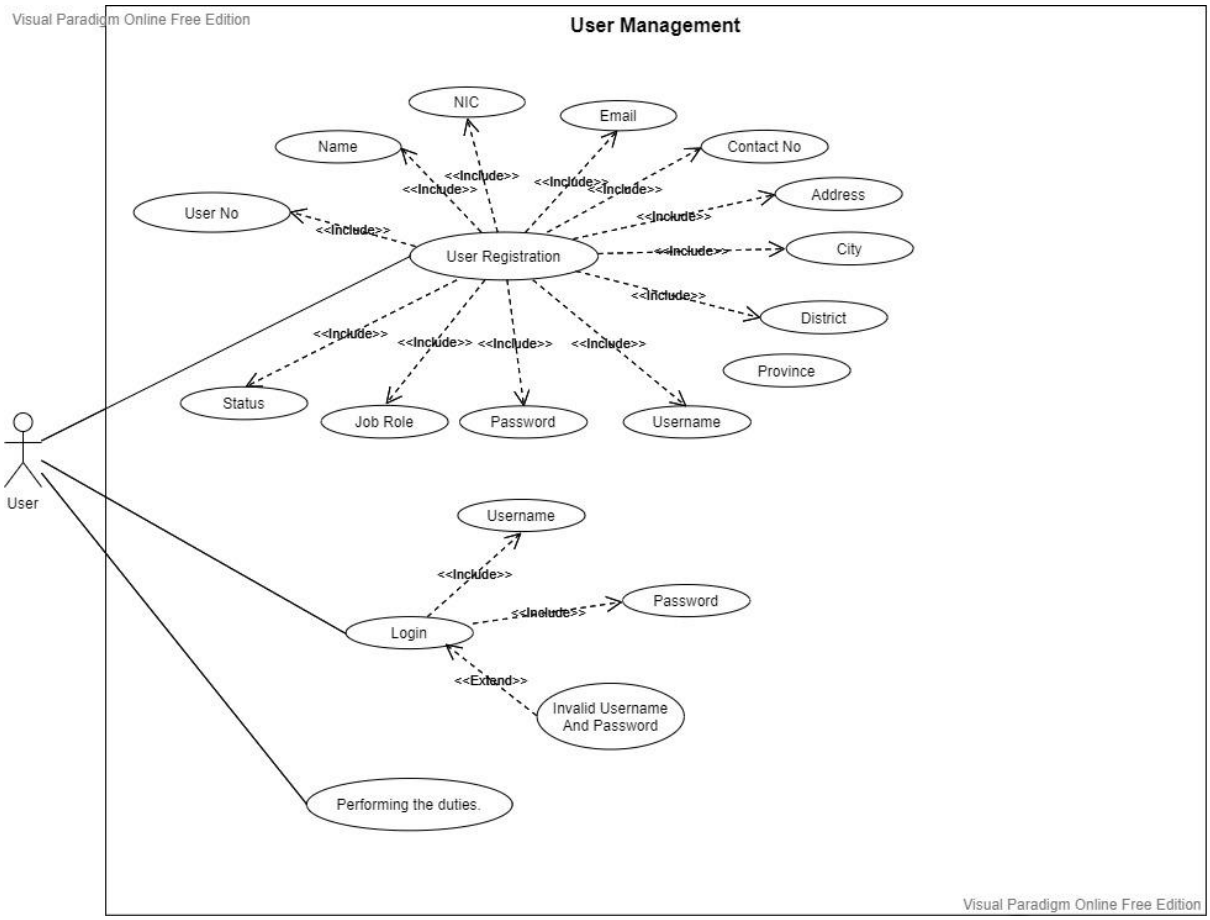
This software application designed for PAMUNUWILA HARDWARE (Pvt) Ltd runs on a Windows operating system. This software application also requires java 1.8.0 and Jaspersoft 6.17.0 to run.

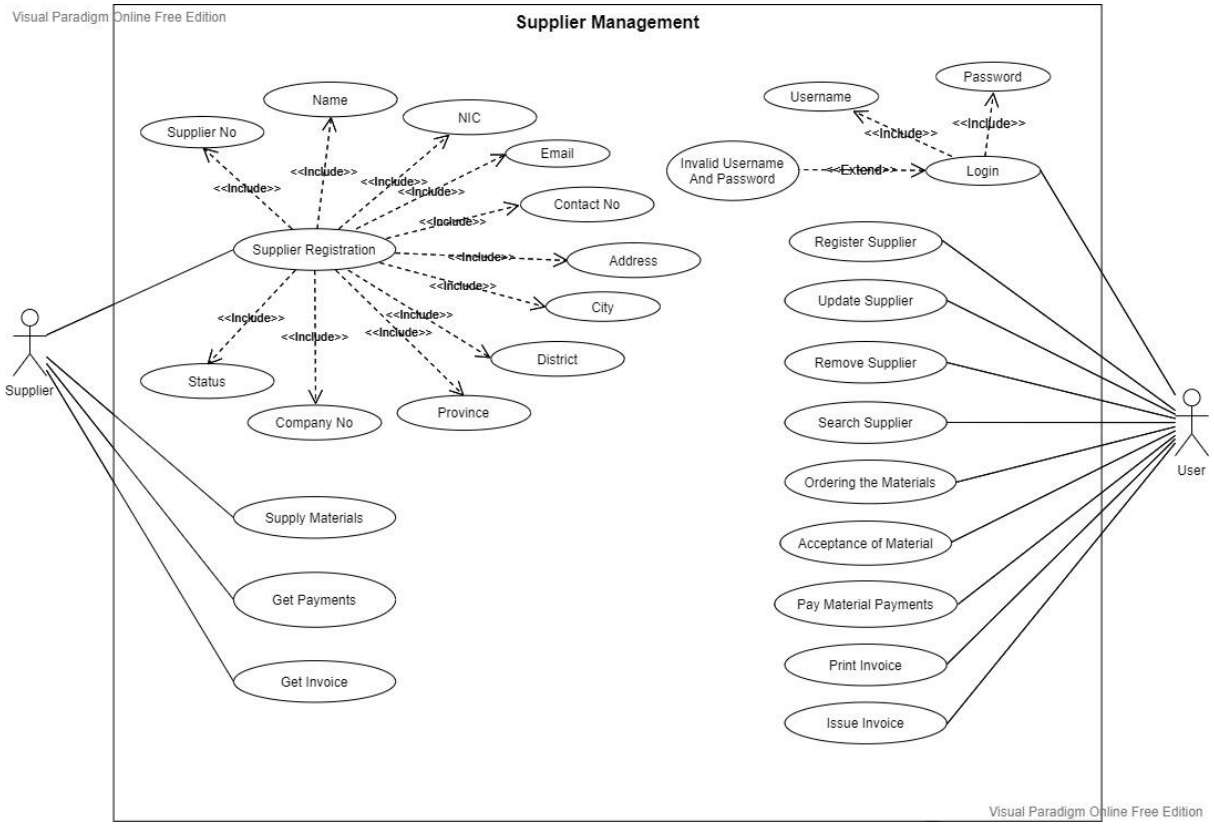
Functional Requirements

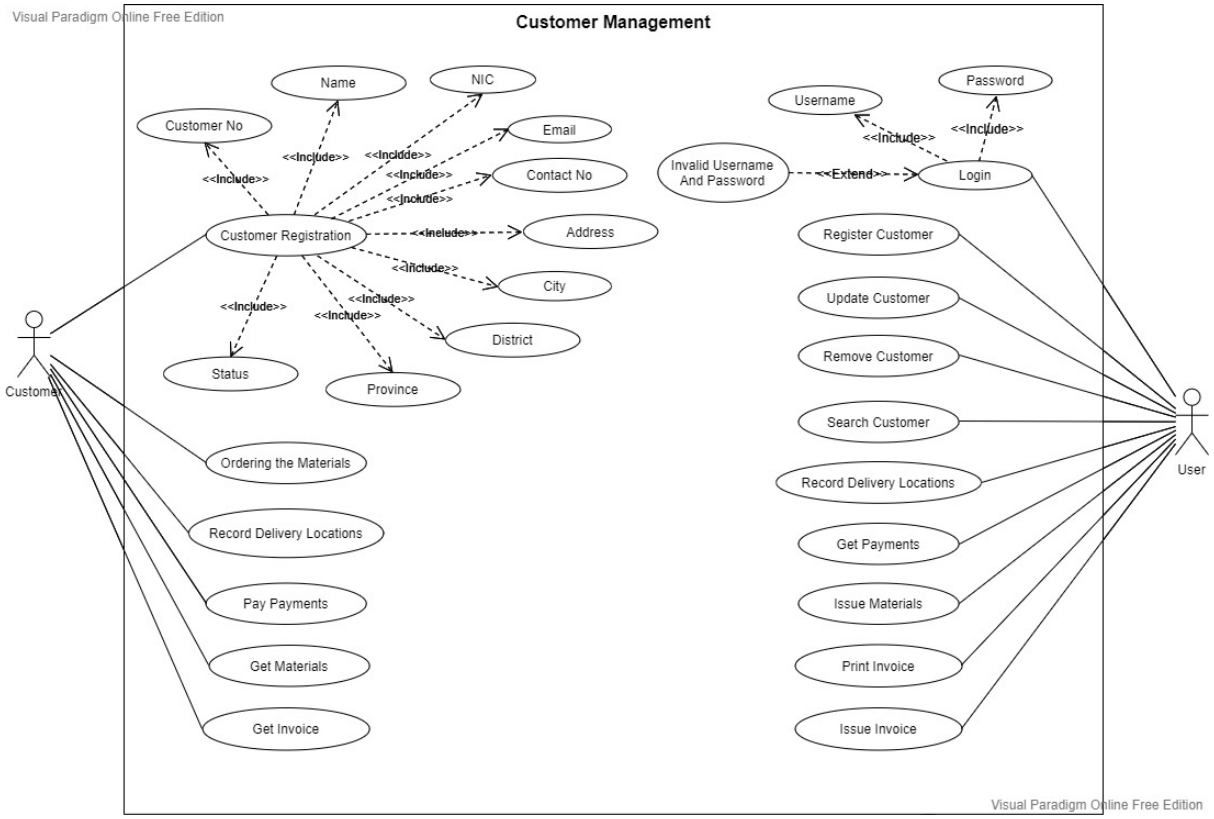
- *User Details Insert, Update, Delete, Search.*
- *Supplier Details Insert, Update, Delete, Search.*
- *Customer Details Insert, Update, Delete, Search.*
- *Transporter Details Insert, Update, Delete, Search.*
- *Company Details Insert, Update, Delete, Search.*
- *Product Details Insert, Update, Delete, Search.*
- *Grn Details Insert*
- *Sales Details Insert*
- *Delivery Details Insert, Update, Delete, Search.*
- *User Login and Exit*
- *Stock Handling*
- *Generate and Print Reports*
- *Generate and Print Invoices*
- *Backup and Restore Data*

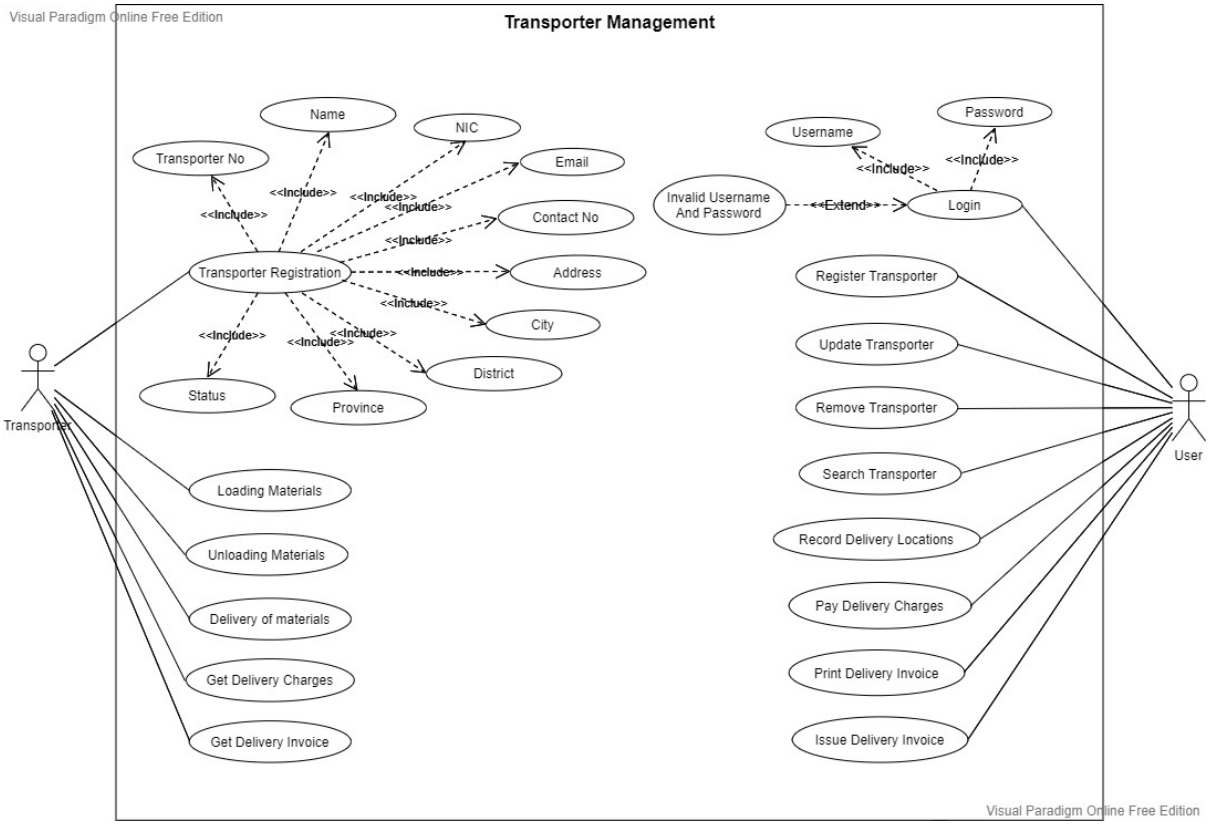
Behaviour Requirements

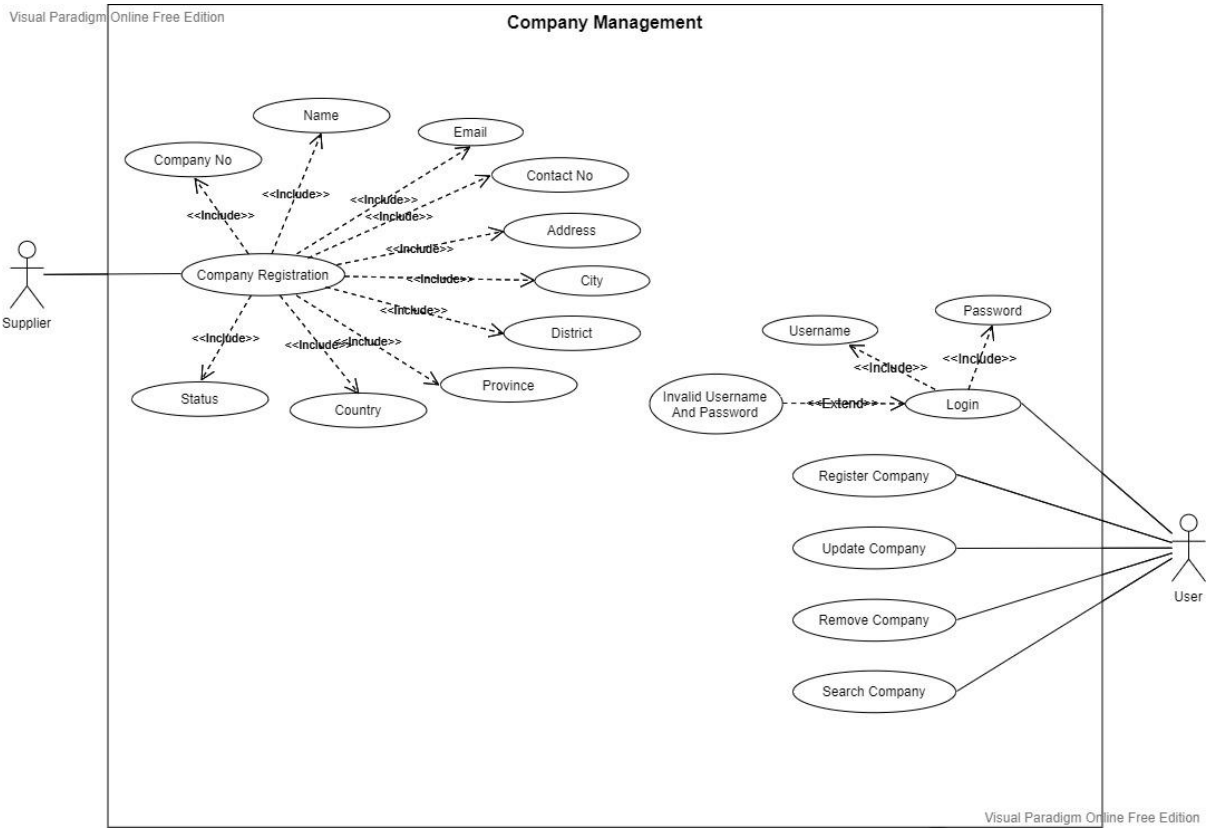
Use Case View

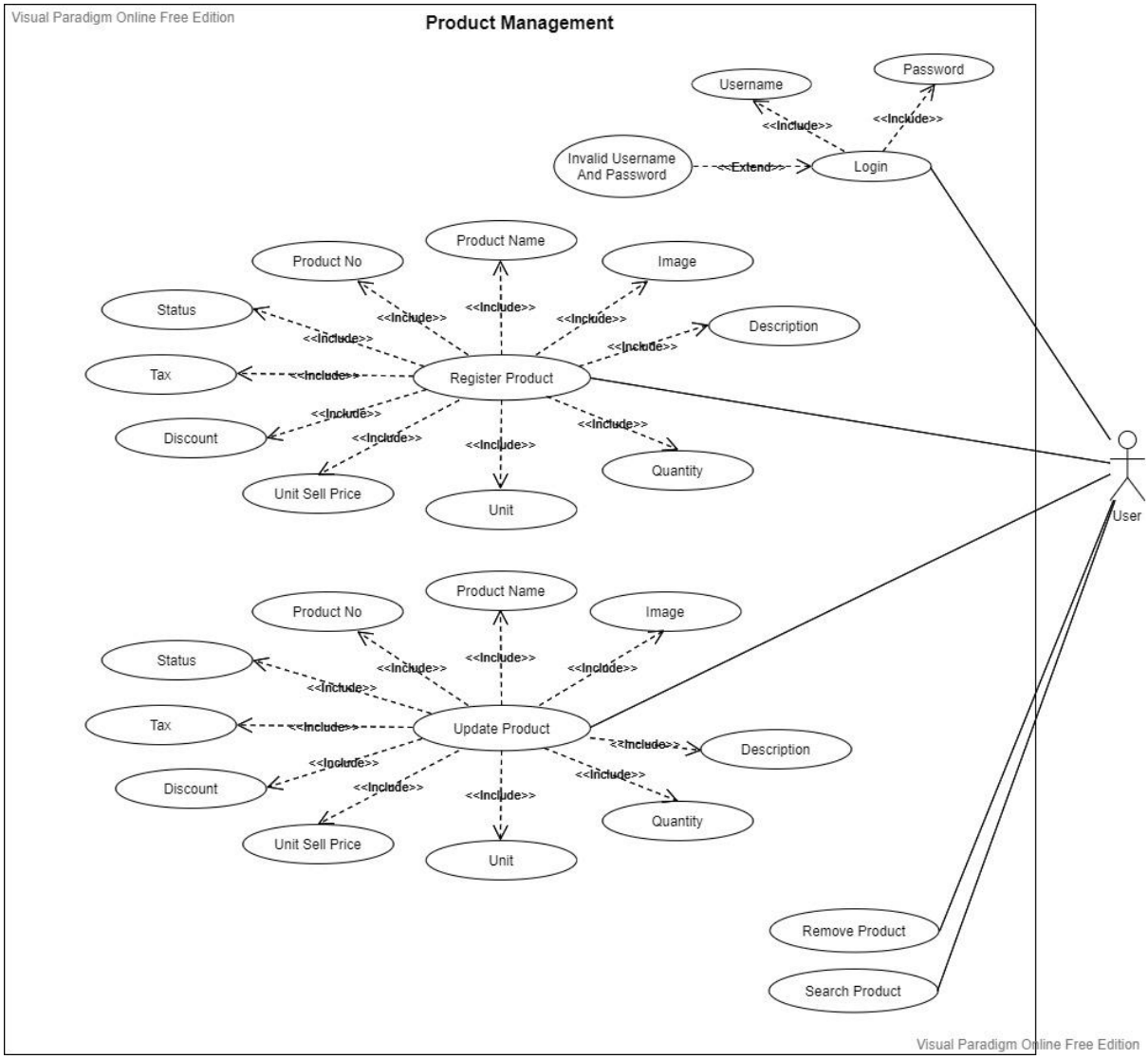



Visual Paradigm Online Free Edition
Supplier Management
Name
NIC
Supplier No
Email
Contact No
Supplier Registration
Address
City
District
Status
Company No
Province
Supplier
Supply Materials
Get Payments
Get Invoice
Username
Password
Invalid Username And Password
Login
Register Supplier
Update Supplier
Remove Supplier
Search Supplier
Ordering the Materials
Acceptance of Material
Pay Material Payments
Print Invoice
Issue Invoice
User
<<Include>>
<<Extend>>
Visual Paradigm Online Free Edition


Visual Paradigm Online Free Edition
Customer Management
Name
NIC
Customer No
Email
Contact No
Customer Registration
Address
City
District
Status
Province
Customer
Ordering the Materials
Record Delivery Locations
Pay Payments
Get Materials
Get Invoice
Username
Password
Invalid Username And Password
Login
Register Customer
Update Customer
Remove Customer
Search Customer
Record Delivery Locations
Get Payments
Issue Materials
Print Invoice
Issue Invoice
User
<<Include>>
<<Extend>>
Visual Paradigm Online Free Edition


Visual Paradigm Online Free Edition
Transporter Management
Name
NIC
Transporter No
Email
Contact No
Transporter Registration
Address
City
District
Status
Province
Transporter
Loading Materials
Unloading Materials
Delivery of materials
Get Delivery Charges
Get Delivery Invoice
Username
Password
Invalid Username And Password
Login
Register Transporter
Update Transporter
Remove Transporter
Search Transporter
Record Delivery Locations
Pay Delivery Charges
Print Delivery Invoice
Issue Delivery Invoice
User
<<Include>>
<<Extend>>
Visual Paradigm Online Free Edition


Visual Paradigm Online Free Edition
Company Management
Name
Email
Company No
Contact No
Address
Company Registration
City
District
Status
Country
Province
Supplier
Username
Password
Invalid Username And Password
Login
Register Company
Update Company
Remove Company
Search Company
User
<<Include>>
<<Extend>>
Visual Paradigm Online Free Edition


Visual Paradigm Online Free Edition
Product Management
Username
Password
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Invalid Username And Password
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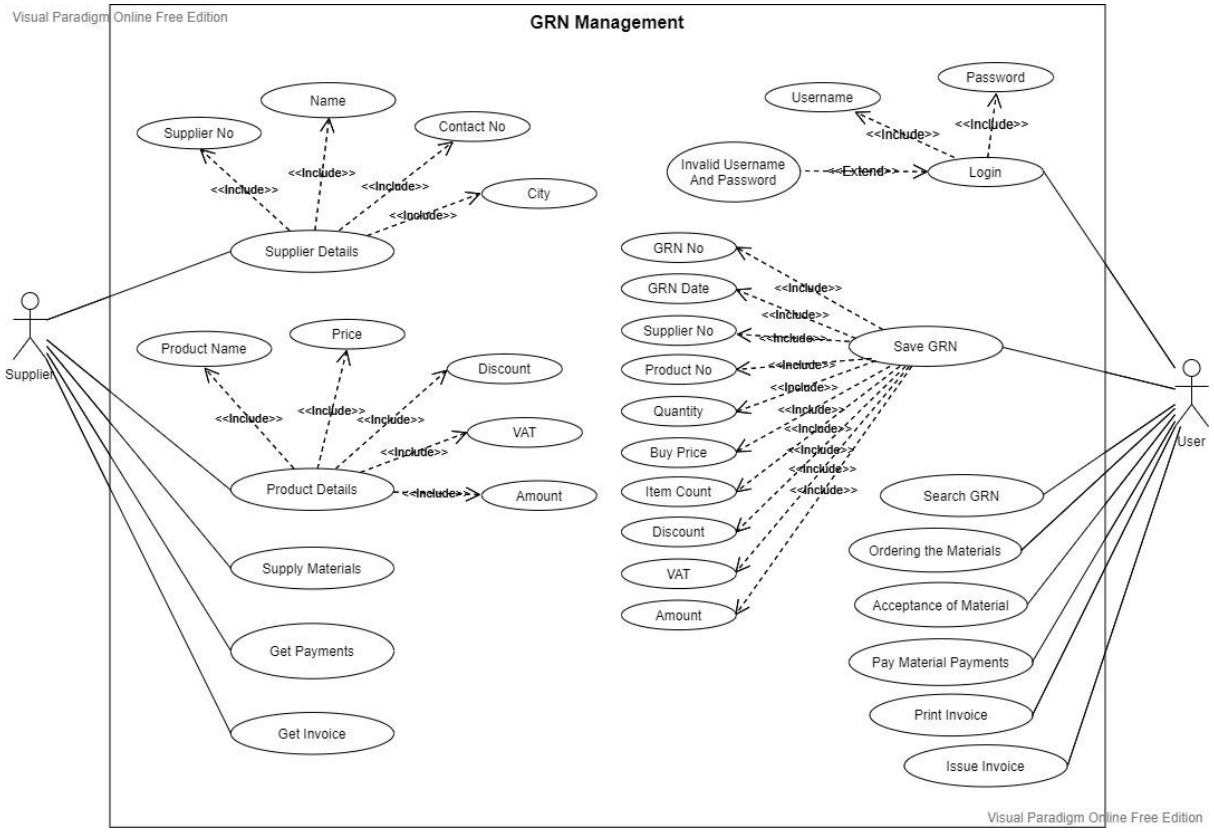
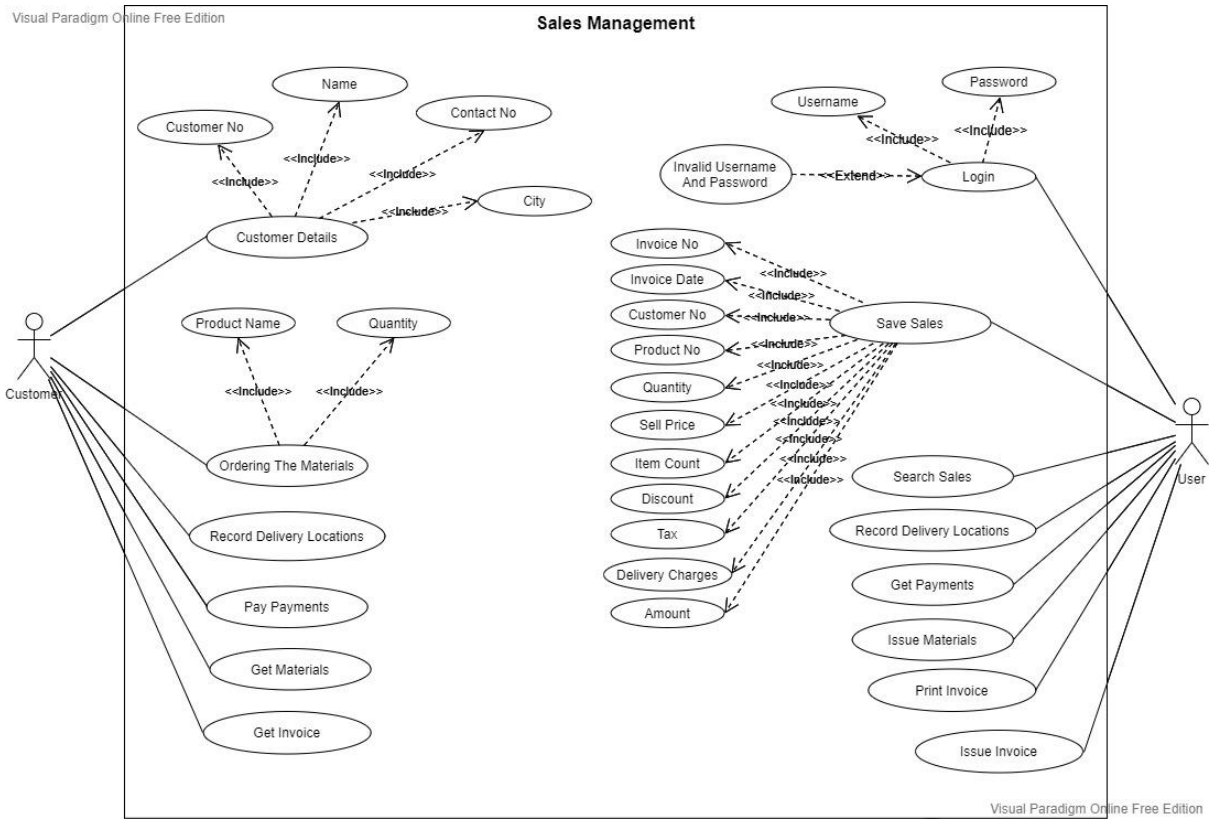
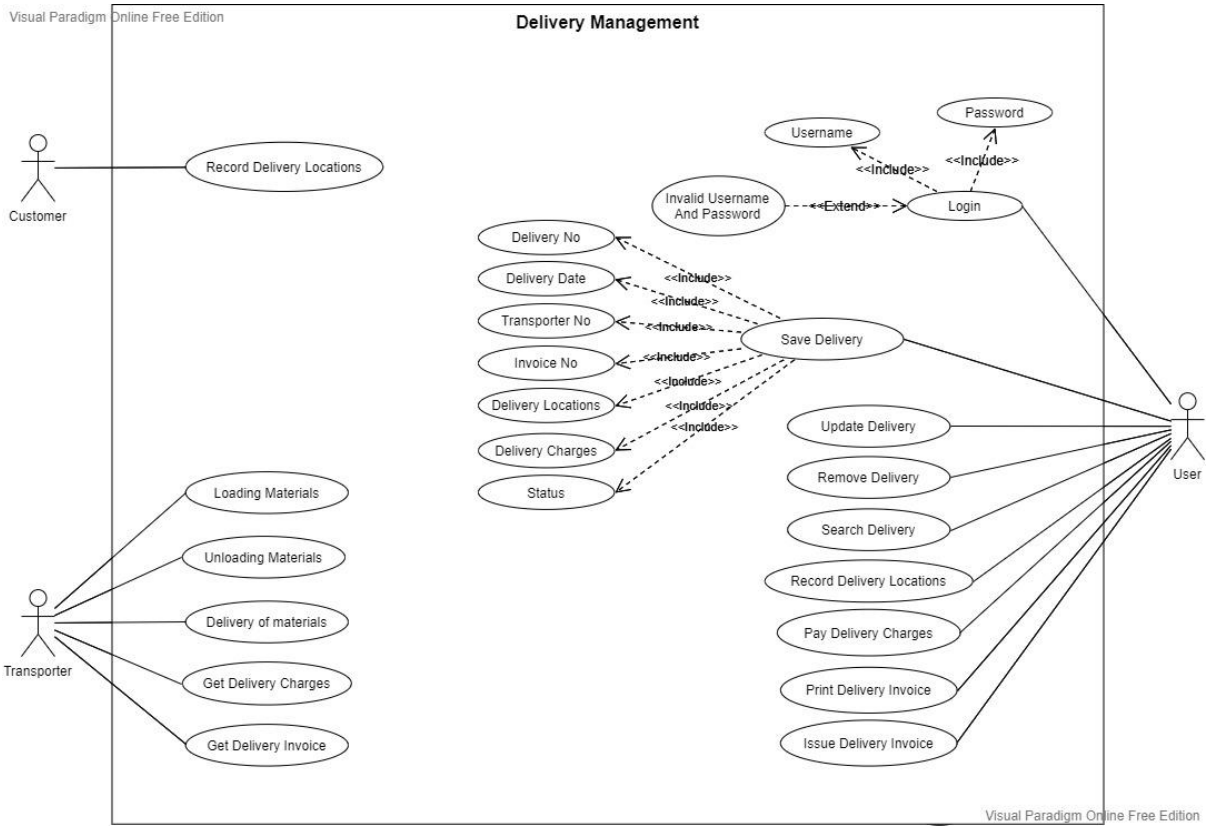
Login
Product No
Product Name
Image
Status
Description
Tax
Register Product
Discount
Quantity
Unit Sell Price
Unit
User
Product No
Product Name
Image
Status
Description
Tax
Update Product
Discount
Quantity
Unit Sell Price
Unit
Remove Product
Search Product
Visual Paradigm Online Free Edition


Visual Paradigm Online Free Edition
GRN Management
Name
Supplier No
Contact No
City
Supplier Details
Supplier
Product Name
Price
Discount
VAT
Amount
Product Details
Supply Materials
Get Payments
Get Invoice
Username
Password
Invalid Username And Password
Login
GRN No
GRN Date
Supplier No
Product No
Quantity
Buy Price
Item Count
Discount
VAT
Amount
Save GRN
User
Search GRN
Ordering the Materials
Acceptance of Material
Pay Material Payments
Print Invoice
Issue Invoice
<<Include>>
<<Extend>>
Visual Paradigm Online Free Edition


Visual Paradigm Online Free Edition
Sales Management
Name
Customer No
Contact No
City
Customer Details
Customer
Product Name
Quantity
Ordering The Materials
Record Delivery Locations
Pay Payments
Get Materials
Get Invoice
Username
Password
Invalid Username And Password
Login
Invoice No
Invoice Date
Customer No
Product No
Quantity
Sell Price
Item Count
Discount
Tax
Delivery Charges
Amount
Save Sales
User
Search Sales
Record Delivery Locations
Get Payments
Issue Materials
Print Invoice
Issue Invoice
<<Include>>
<<Extend>>
Visual Paradigm Online Free Edition


Visual Paradigm Online Free Edition
Delivery Management
Customer
Record Delivery Locations
Username
Password
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Invalid Username And Password
<<Extend>>
Login
Delivery No
Delivery Date
Transporter No
Invoice No
Delivery Locations
Delivery Charges
Status
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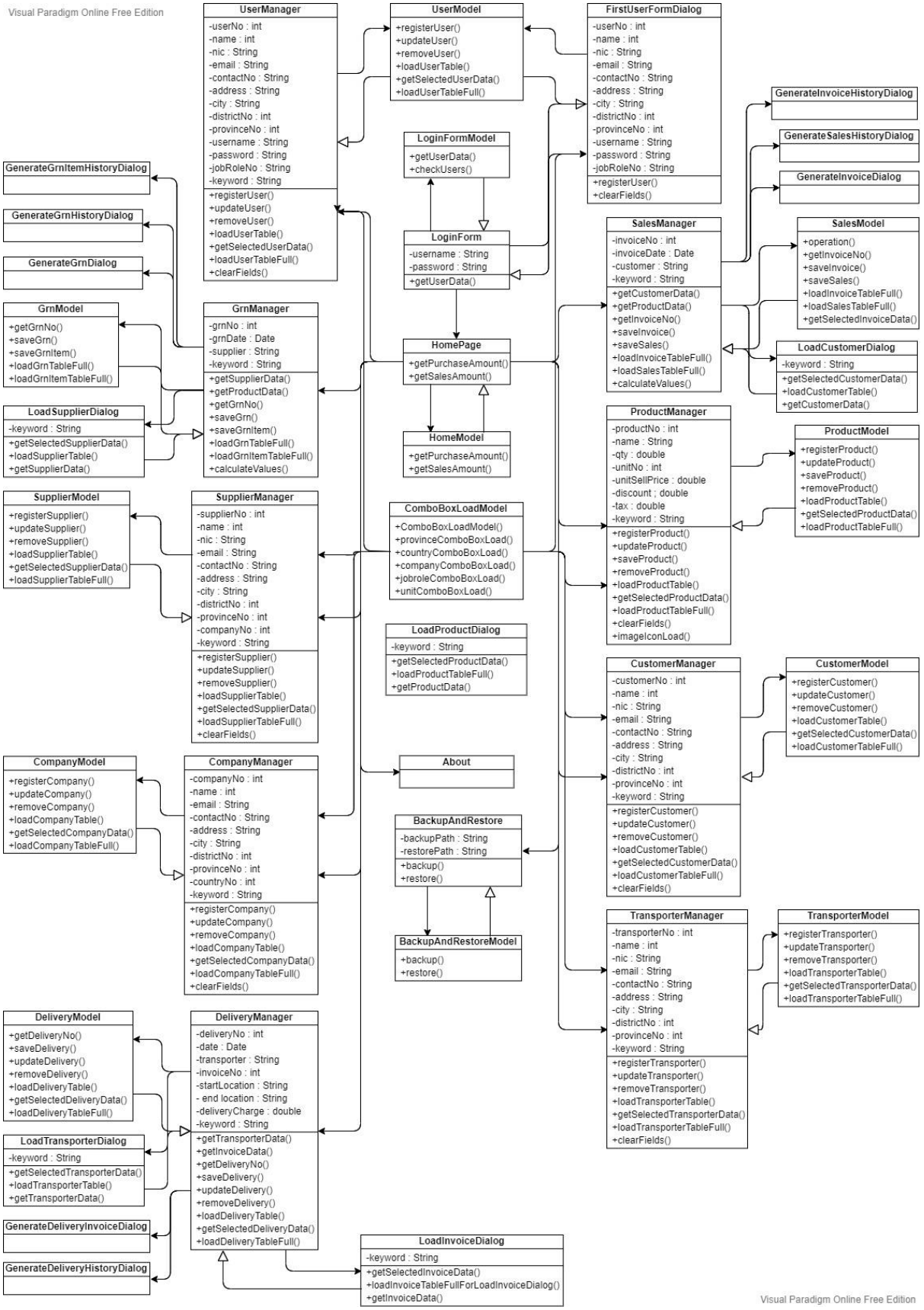
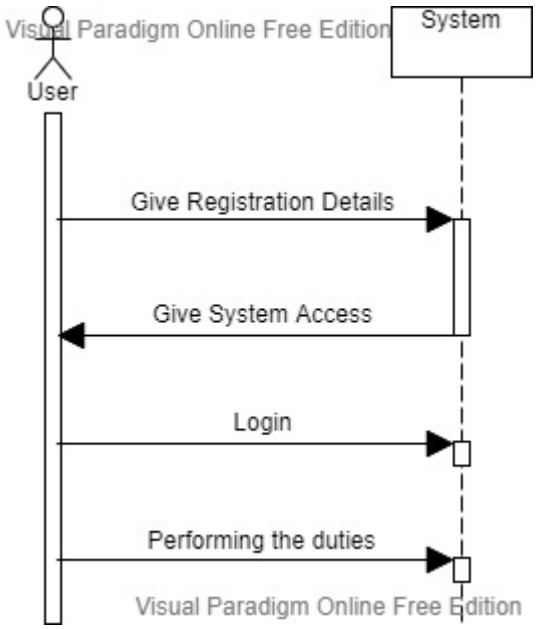
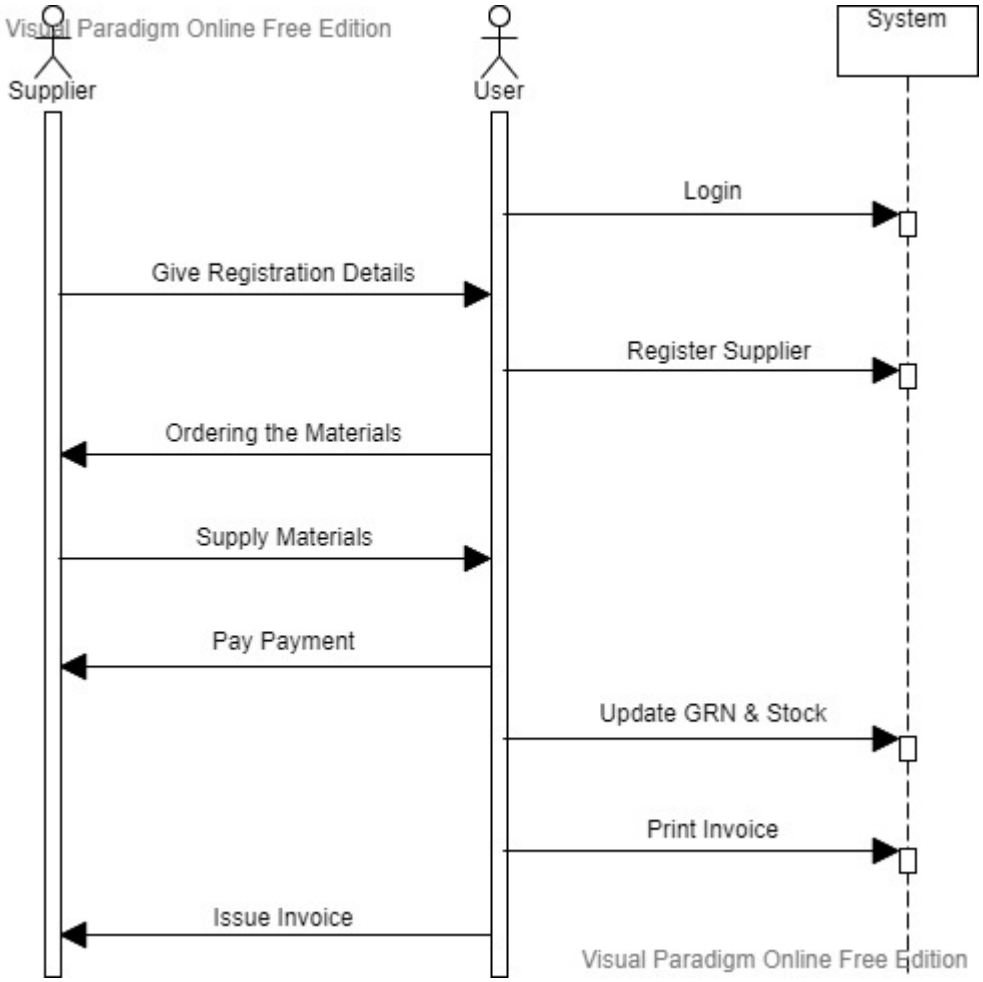
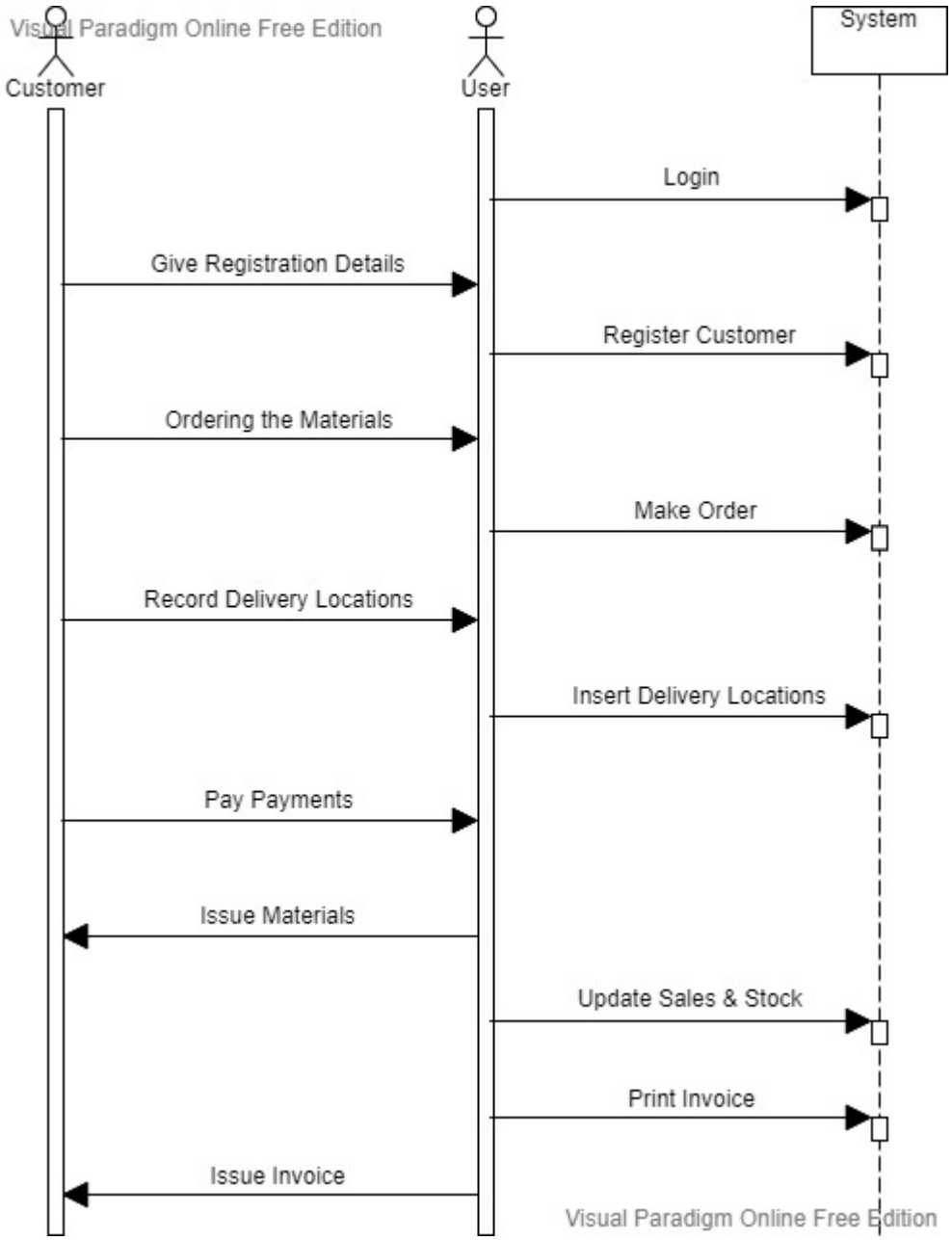
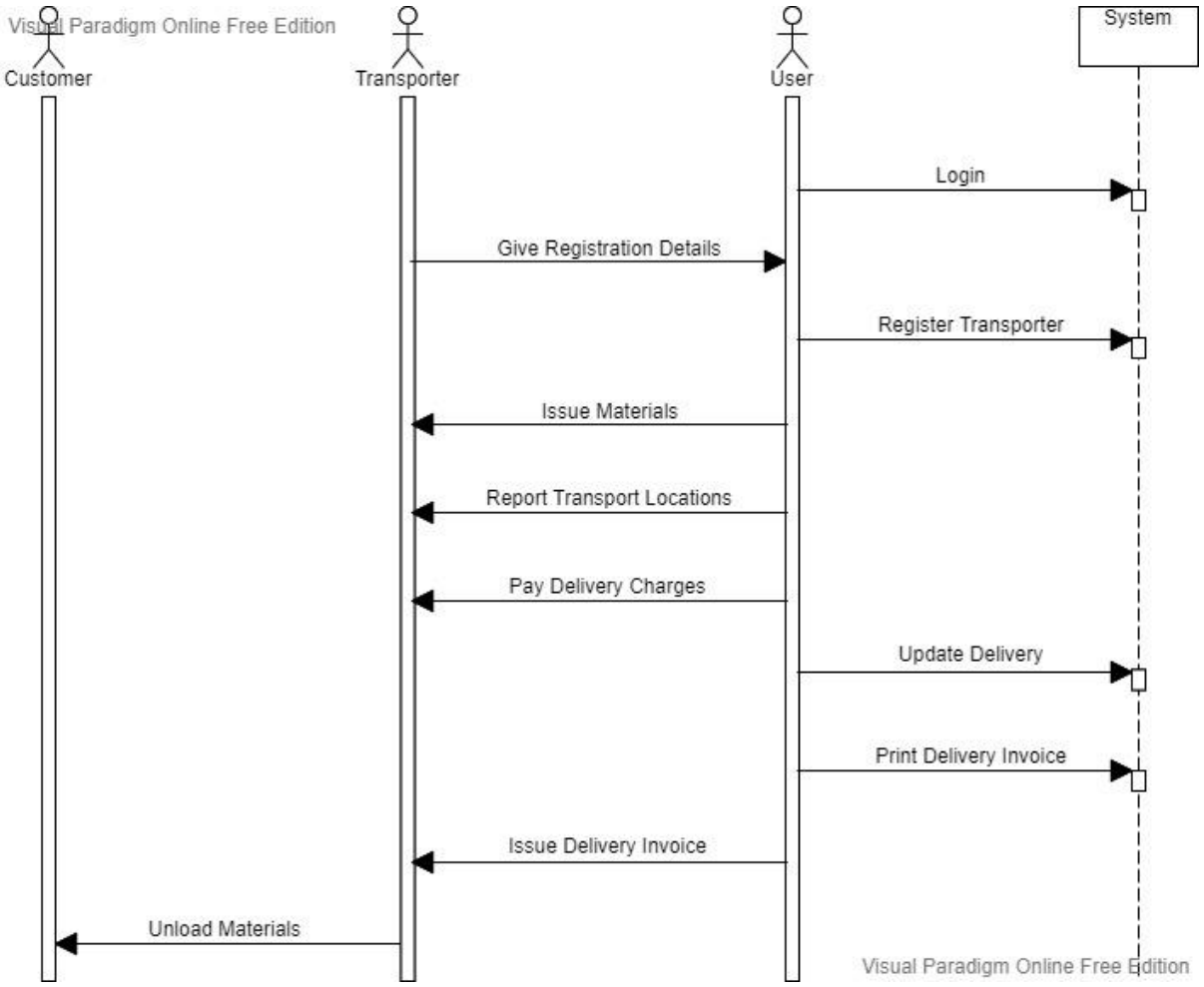
<<Include>>
<<Include>>
<<Include>>
<<Include>>
<<Include>>
Save Delivery
Update Delivery
Remove Delivery
Search Delivery
Record Delivery Locations
Pay Delivery Charges
Print Delivery Invoice
Issue Delivery Invoice
User
Loading Materials
Unloading Materials
Delivery of materials
Get Delivery Charges
Get Delivery Invoice
Transporter
Visual Paradigm Online Free Edition

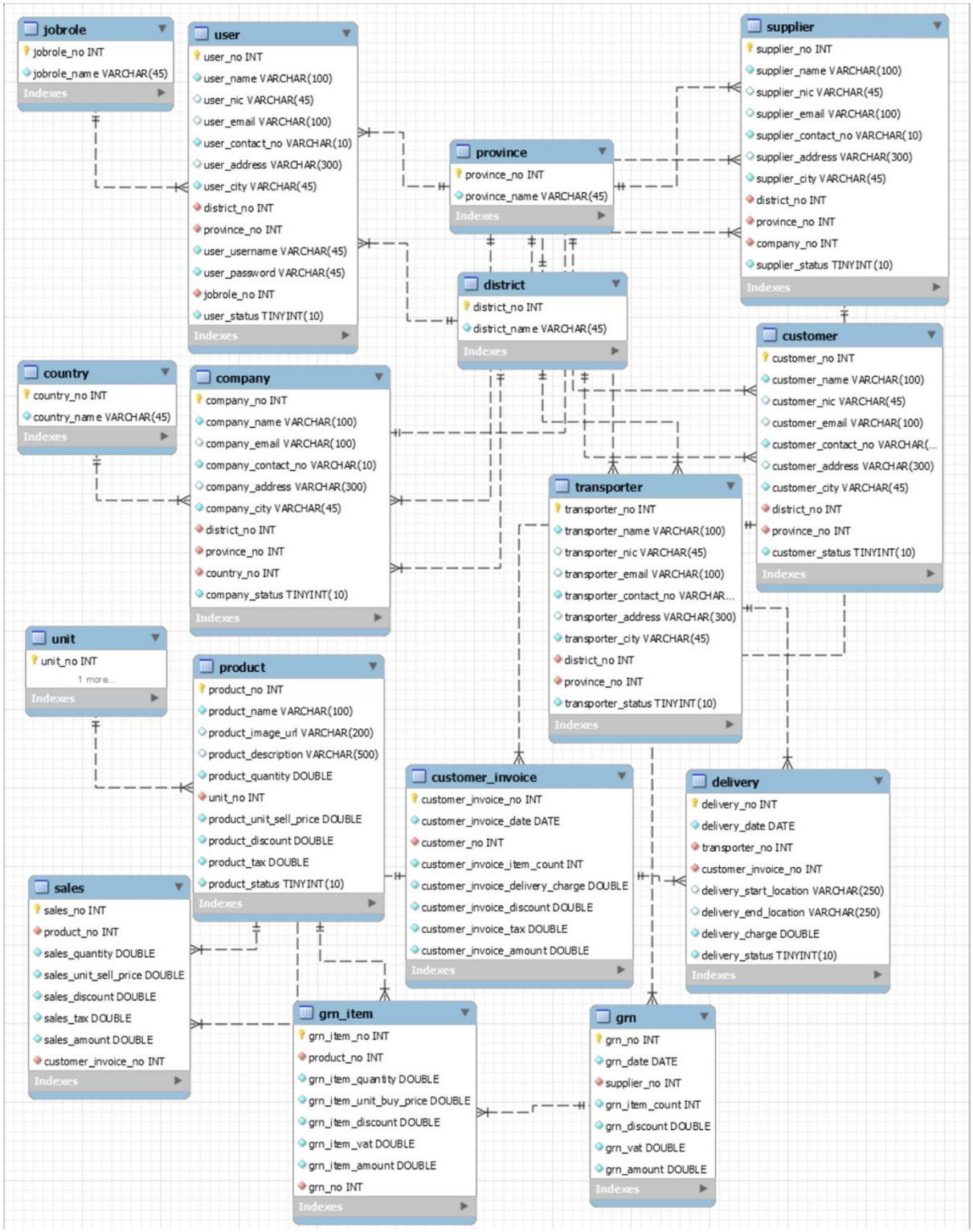

Visual Paradigm Online Free Edition
UserManager
-userNo : int
-name : int
-nic : String
-email : String
-contactNo : String
-address : String
-city : String
-districtNo : int
-provinceNo : int
-username : String
-password : String
-jobRoleNo : String
-keyword : String
+registerUser()
+updateUser()
+removeUser()
+loadUserTable()
+getSelectedUserData()
+loadUserTableFull()
+clearFields()
UserModel
+registerUser()
+updateUser()
+removeUser()
+loadUserTable()
+getSelectedUserData()
+loadUserTableFull()
FirstUserFormDialog
-userNo : int
-name : int
-nic : String
-email : String
-contactNo : String
-address : String
-city : String
-districtNo : int
-provinceNo : int
-username : String
-password : String
-jobRoleNo : String
+registerUser()
+clearFields()
GenerateInvoiceHistoryDialog
GenerateSalesHistoryDialog
GenerateInvoiceDialog
LoginFormModel
+getUserData()
+checkUsers()
LoginForm
-username : String
-password : String
+getUserData()
GenerateGrnItemHistoryDialog
GenerateGrnHistoryDialog
GenerateGrnDialog
SalesManager
-invoiceNo : int
-invoiceDate : Date
-customer : String
-keyword : String
+getCustomerData()
+getProductData()
+getInvoiceNo()
+saveInvoice()
+saveSales()
+loadInvoiceTableFull()
+loadSalesTableFull()
+calculateValues()
SalesModel
+operation()
+getInvoiceNo()
+saveInvoice()
+saveSales()
+loadInvoiceTableFull()
+loadSalesTableFull()
+getSelectedInvoiceData()
GrnModel
+getGrnNo()
+saveGrn()
+saveGrnItem()
+loadGrnTableFull()
+loadGrnItemTableFull()
GrnManager
-grnNo : int
-grnDate : Date
-supplier : String
-keyword : String
+getSupplierData()
+getProductData()
+getGrnNo()
+saveGrn()
+saveGrnItem()
+loadGrnTableFull()
+loadGrnItemTableFull()
+calculateValues()
HomePage
+getPurchaseAmount()
+getSalesAmount()
LoadCustomerDialog
-keyword : String
+getSelectedCustomerData()
+loadCustomerTable()
+getCustomerData()
LoadSupplierDialog
-keyword : String
+getSelectedSupplierData()
+loadSupplierTable()
+getSupplierData()
HomeModel
+getPurchaseAmount()
+getSalesAmount()
ProductManager
-productNo : int
-name : String
-qty : double
-unitNo : int
-unitSellPrice : double
-discount ; double
-tax : double
-keyword : String
+registerProduct()
+updateProduct()
+saveProduct()
+removeProduct()
+loadProductTable()
+getSelectedProductData()
+loadProductTableFull()
+clearFields()
+imageIconLoad()
ProductModel
+registerProduct()
+updateProduct()
+saveProduct()
+removeProduct()
+loadProductTable()
+getSelectedProductData()
+loadProductTableFull()
SupplierModel
+registerSupplier()
+updateSupplier()
+removeSupplier()
+loadSupplierTable()
+getSelectedSupplierData()
+loadSupplierTableFull()
SupplierManager
-supplierNo : int
-name : int
-nic : String
-email : String
-contactNo : String
-address : String
-city : String
-districtNo : int
-provinceNo : int
-companyNo : int
-keyword : String
+registerSupplier()
+updateSupplier()
+removeSupplier()
+loadSupplierTable()
+getSelectedSupplierData()
+loadSupplierTableFull()
+clearFields()
ComboBoxLoadModel
+ComboBoxLoadModel()
+provinceComboBoxLoad()
+countryComboBoxLoad()
+companyComboBoxLoad()
+jobroleComboBoxLoad()
+unitComboBoxLoad()
LoadProductDialog
-keyword : String
+getSelectedProductData()
+loadProductTableFull()
+getProductData()
CustomerManager
-customerNo : int
-name : int
-nic : String
-email : String
-contactNo : String
-address : String
-city : String
-districtNo : int
-provinceNo : int
-keyword : String
+registerCustomer()
+updateCustomer()
+removeCustomer()
+loadCustomerTable()
+getSelectedCustomerData()
+loadCustomerTableFull()
+clearFields()
CustomerModel
+registerCustomer()
+updateCustomer()
+removeCustomer()
+loadCustomerTable()
+getSelectedCustomerData()
+loadCustomerTableFull()
CompanyModel
+registerCompany()
+updateCompany()
+removeCompany()
+loadCompanyTable()
+getSelectedCompanyData()
+loadCompanyTableFull()
CompanyManager
-companyNo : int
-name : int
-email : String
-contactNo : String
-address : String
-city : String
-districtNo : int
-provinceNo : int
-countryNo : int
-keyword : String
+registerCompany()
+updateCompany()
+removeCompany()
+loadCompanyTable()
+getSelectedCompanyData()
+loadCompanyTableFull()
+clearFields()
About
BackupAndRestore
-backupPath : String
-restorePath : String
+backup()
+restore()
BackupAndRestoreModel
+backup()
+restore()
TransporterManager
-transporterNo : int
-name : int
-nic : String
-email : String
-contactNo : String
-address : String
-city : String
-districtNo : int
-provinceNo : int
-keyword : String
+registerTransporter()
+updateTransporter()
+removeTransporter()
+loadTransporterTable()
+getSelectedTransporterData()
+loadTransporterTableFull()
+clearFields()
TransporterModel
+registerTransporter()
+updateTransporter()
+removeTransporter()
+loadTransporterTable()
+getSelectedTransporterData()
+loadTransporterTableFull()
DeliveryModel
+getDeliveryNo()
+saveDelivery()
+updateDelivery()
+removeDelivery()
+loadDeliveryTable()
+getSelectedDeliveryData()
+loadDeliveryTableFull()
DeliveryManager
-deliveryNo : int
-date : Date
-transporter : String
-invoiceNo : int
-startLocation : String
- end location : String
-deliveryCharge : double
-keyword : String
+getTransporterData()
+getInvoiceData()
+getDeliveryNo()
+saveDelivery()
+updateDelivery()
+removeDelivery()
+loadDeliveryTable()
+getSelectedDeliveryData()
+loadDeliveryTableFull()
LoadTransporterDialog
-keyword : String
+getSelectedTransporterData()
+loadTransporterTable()
+getTransporterData()
GenerateDeliveryInvoiceDialog
GenerateDeliveryHistoryDialog
LoadInvoiceDialog
-keyword : String
+getSelectedInvoiceData()
+loadInvoiceTableFullForLoadInvoiceDialog()
+getInvoiceData()
Visual Paradigm Online Free Edition

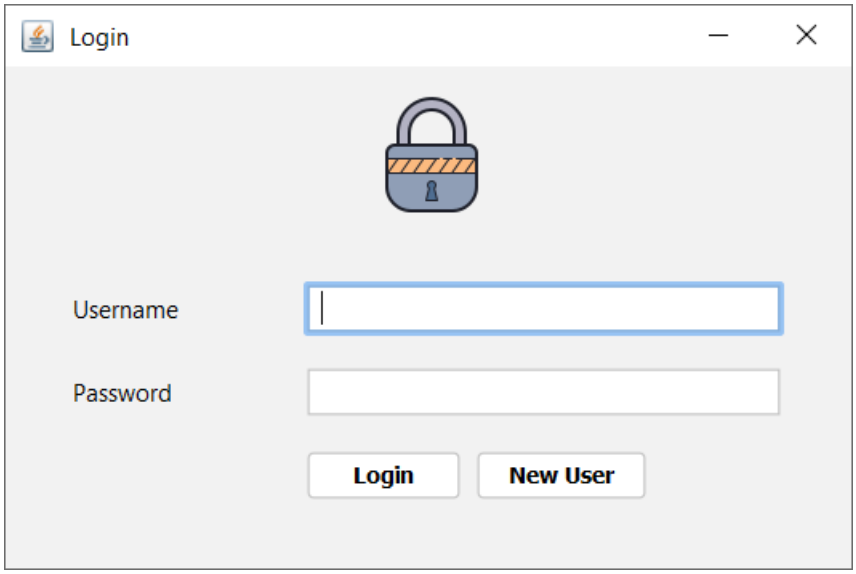

Visual Paradigm Online Free Edition
User
System
Give Registration Details
Give System Access
Login
Performing the duties
Visual Paradigm Online Free Edition

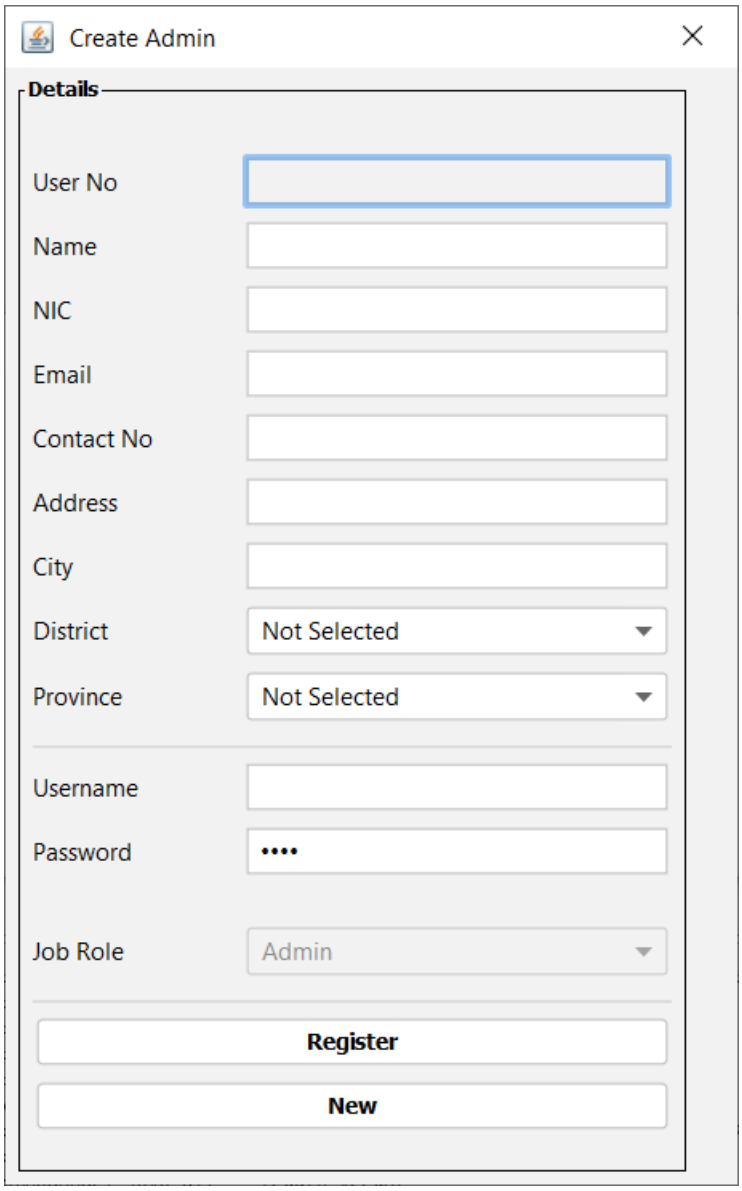

Visual Paradigm Online Free Edition
Supplier
User
System
Login
Give Registration Details
Register Supplier
Ordering the Materials
Supply Materials
Pay Payment
Update GRN & Stock
Print Invoice
Issue Invoice
Visual Paradigm Online Free Edition

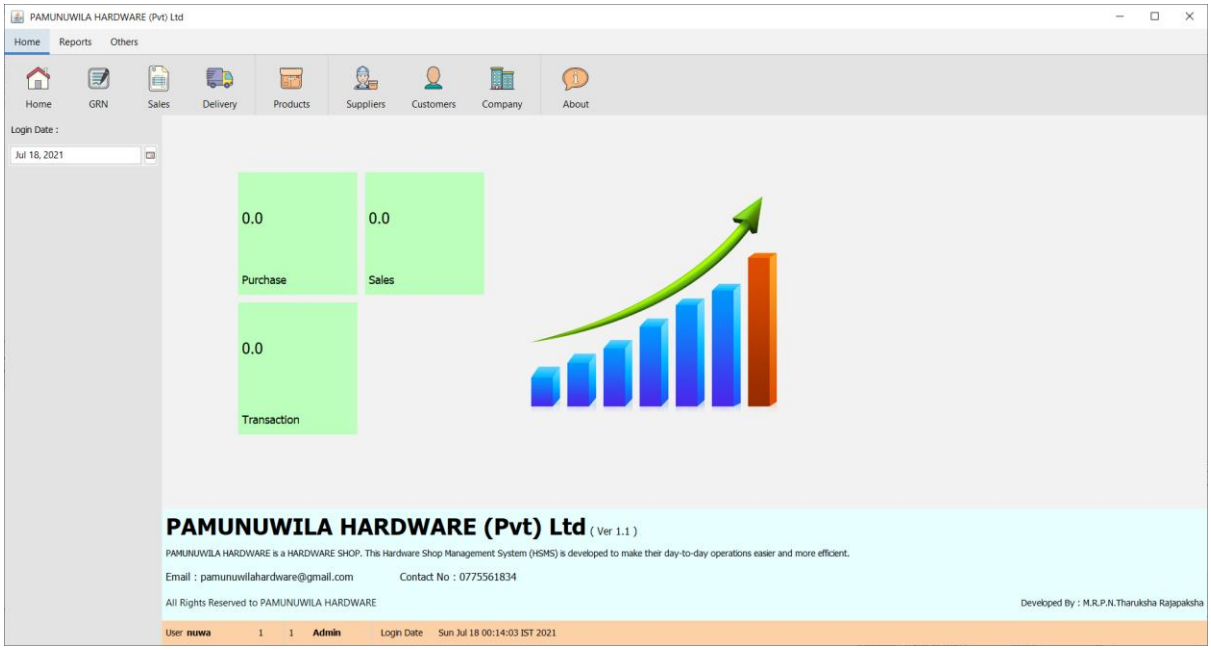

Visual Paradigm Online Free Edition
Customer
User
System
Login
Give Registration Details
Register Customer
Ordering the Materials
Make Order
Record Delivery Locations
Insert Delivery Locations
Pay Payments
Issue Materials
Update Sales & Stock
Print Invoice
Issue Invoice
Visual Paradigm Online Free Edition

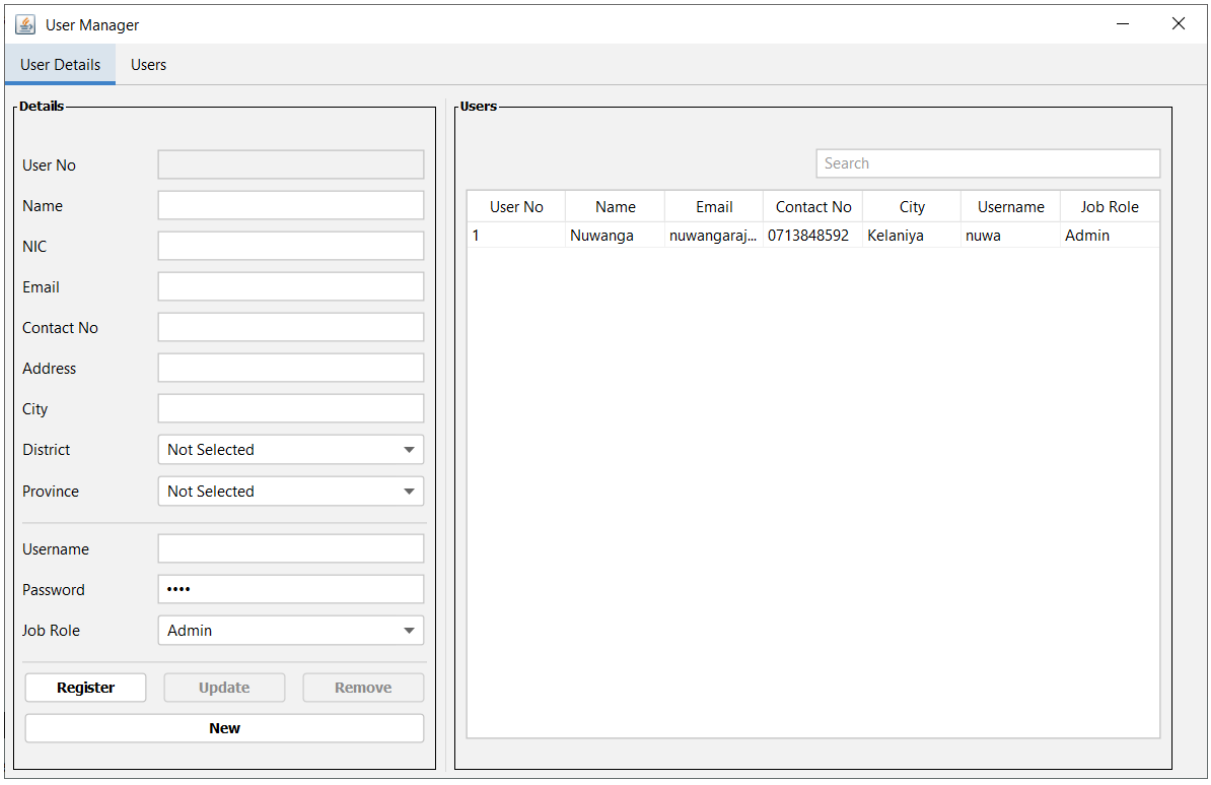

Visual Paradigm Online Free Edition
Customer
Transporter
User
System
Login
Give Registration Details
Register Transporter
Issue Materials
Report Transport Locations
Pay Delivery Charges
Update Delivery
Print Delivery Invoice
Issue Delivery Invoice
Unload Materials
Visual Paradigm Online Free Edition

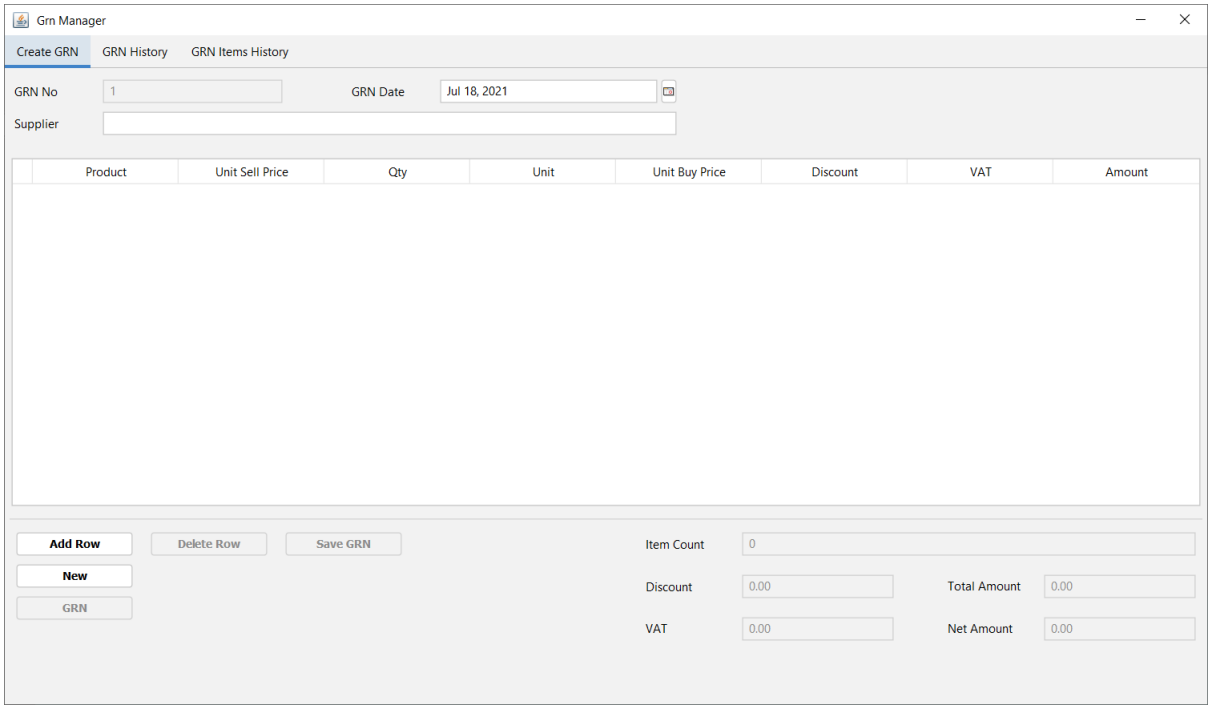

jobrole
jobrole_no INT
jobrole_name VARCHAR(45)
Indexes
user
user_no INT
user_name VARCHAR(100)
user_nic VARCHAR(45)
user_email VARCHAR(100)
user_contact_no VARCHAR(10)
user_address VARCHAR(300)
user_city VARCHAR(45)
district_no INT
province_no INT
user_username VARCHAR(45)
user_password VARCHAR(45)
jobrole_no INT
user_status TINYINT(10)
Indexes
province
province_no INT
province_name VARCHAR(45)
Indexes
supplier
supplier_no INT
supplier_name VARCHAR(100)
supplier_nic VARCHAR(45)
supplier_email VARCHAR(100)
supplier_contact_no VARCHAR(10)
supplier_address VARCHAR(300)
supplier_city VARCHAR(45)
district_no INT
province_no INT
company_no INT
supplier_status TINYINT(10)
Indexes
district
district_no INT
district_name VARCHAR(45)
Indexes
customer
customer_no INT
customer_name VARCHAR(100)
customer_nic VARCHAR(45)
customer_email VARCHAR(100)
customer_contact_no VARCHAR(...
customer_address VARCHAR(300)
customer_city VARCHAR(45)
district_no INT
province_no INT
customer_status TINYINT(10)
Indexes
country
country_no INT
country_name VARCHAR(45)
Indexes
company
company_no INT
company_name VARCHAR(100)
company_email VARCHAR(100)
company_contact_no VARCHAR(10)
company_address VARCHAR(300)
company_city VARCHAR(45)
district_no INT
province_no INT
country_no INT
company_status TINYINT(10)
Indexes
transporter
transporter_no INT
transporter_name VARCHAR(100)
transporter_nic VARCHAR(45)
transporter_email VARCHAR(100)
transporter_contact_no VARCHAR...
transporter_address VARCHAR(300)
transporter_city VARCHAR(45)
district_no INT
province_no INT
transporter_status TINYINT(10)
Indexes
unit
unit_no INT
1 more...
Indexes
product
product_no INT
product_name VARCHAR(100)
product_image_url VARCHAR(200)
product_description VARCHAR(500)
product_quantity DOUBLE
unit_no INT
product_unit_sell_price DOUBLE
product_discount DOUBLE
product_tax DOUBLE
product_status TINYINT(10)
Indexes
customer_invoice
customer_invoice_no INT
customer_invoice_date DATE
customer_no INT
customer_invoice_item_count INT
customer_invoice_delivery_charge DOUBLE
customer_invoice_discount DOUBLE
customer_invoice_tax DOUBLE
customer_invoice_amount DOUBLE
Indexes
delivery
delivery_no INT
delivery_date DATE
transporter_no INT
customer_invoice_no INT
delivery_start_location VARCHAR(250)
delivery_end_location VARCHAR(250)
delivery_charge DOUBLE
delivery_status TINYINT(10)
Indexes
sales
sales_no INT
product_no INT
sales_quantity DOUBLE
sales_unit_sell_price DOUBLE
sales_discount DOUBLE
sales_tax DOUBLE
sales_amount DOUBLE
customer_invoice_no INT
Indexes
grn_item
grn_item_no INT
product_no INT
grn_item_quantity DOUBLE
grn_item_unit_buy_price DOUBLE
grn_item_discount DOUBLE
grn_item_vat DOUBLE
grn_item_amount DOUBLE
grn_no INT
Indexes
grn
grn_no INT
grn_date DATE
supplier_no INT
grn_item_count INT
grn_discount DOUBLE
grn_vat DOUBLE
grn_amount DOUBLE
Indexes

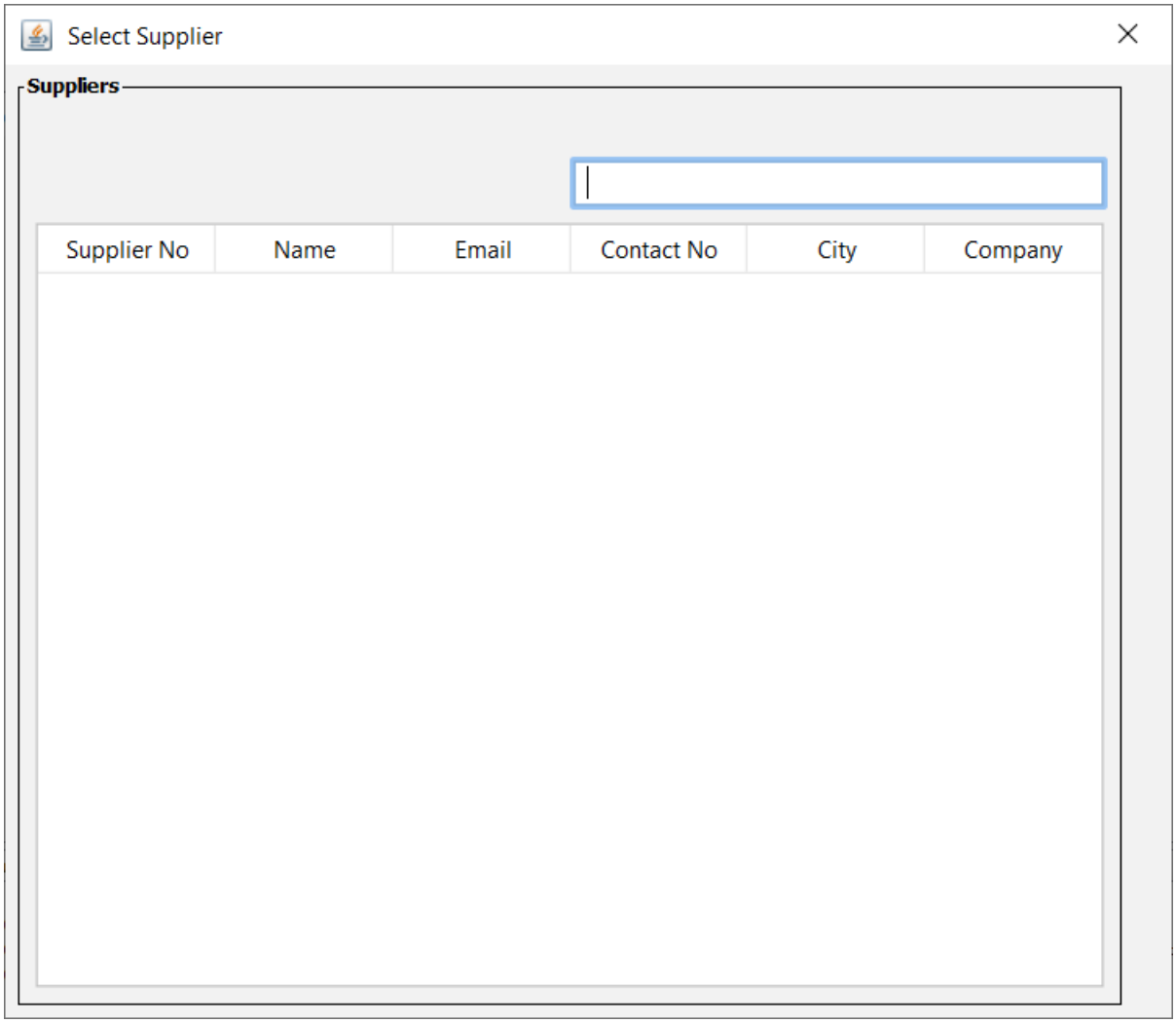

Login
Username
Password
Login
New User

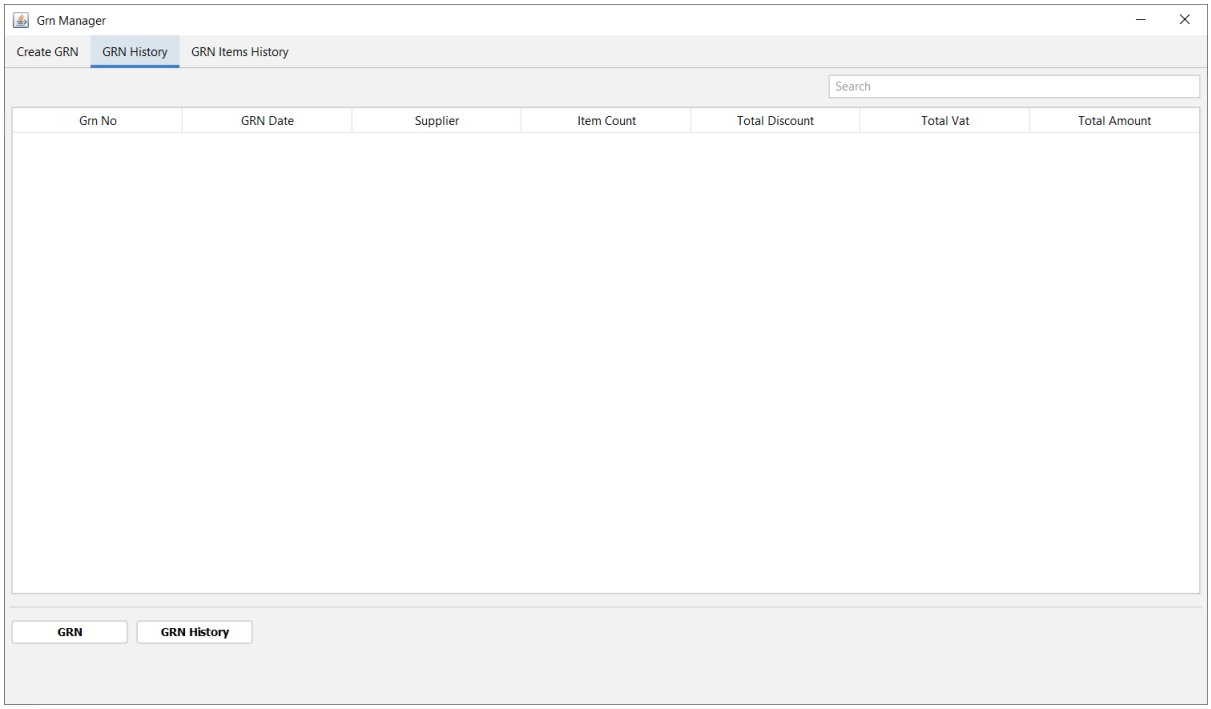

Create Admin
Details
User No
Name
NIC
Email
Contact No
Address
City
District
Not Selected
Province
Not Selected
Username
Password
Job Role
Admin
Register
New

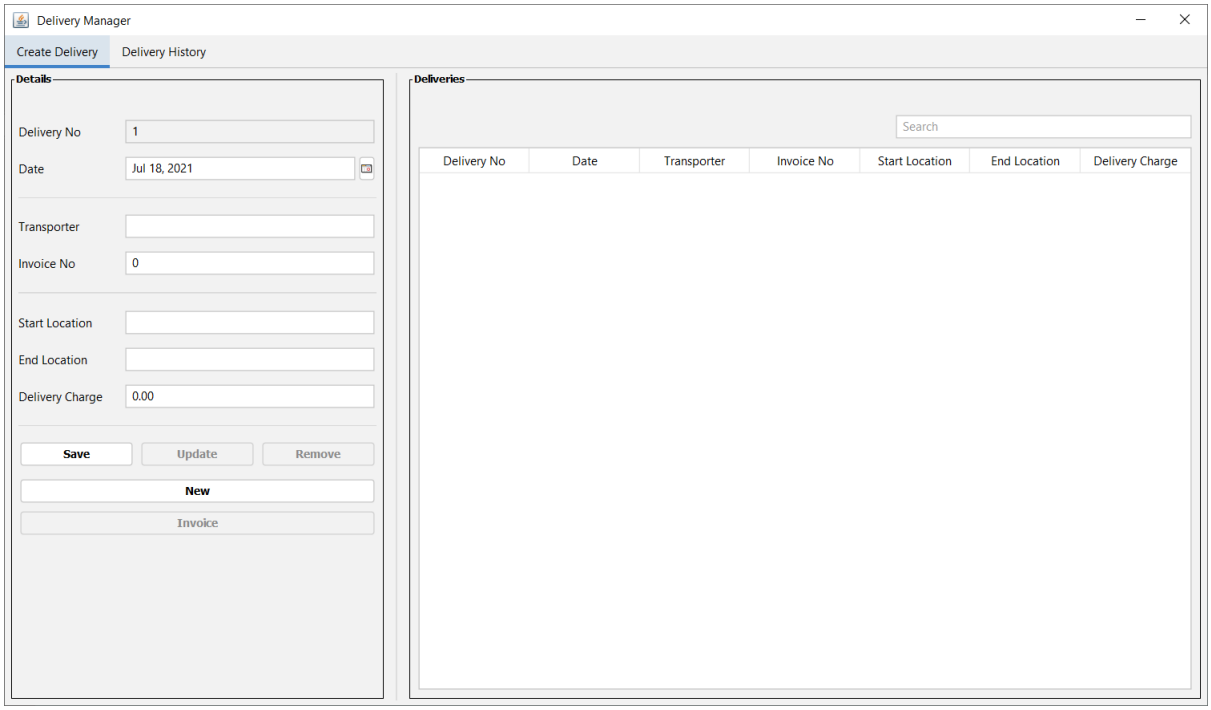

PAMUNUWILA HARDWARE (Pvt) Ltd
Home
Reports
Others
Home
GRN
Sales
Delivery
Products
Suppliers
Customers
Company
About
Login Date :
Jul 18, 2021
0.0
Purchase
0.0
Sales
0.0
Transaction
PAMUNUWILA HARDWARE (Pvt) Ltd (Ver 1.1)
PAMUNUWILA HARDWARE is a HARDWARE SHOP. This Hardware Shop Management System (HSMS) is developed to make their day-to-day operations easier and more efficient.
Email : pamunuwilahardware@gmail.com
Contact No : 0775561834
All Rights Reserved to PAMUNUWILA HARDWARE
Developed By : M.R.P.N.Tharuksha Rajapaksha
User nuwa 1 1 Admin Login Date Sun Jul 18 00:14:03 IST 2021

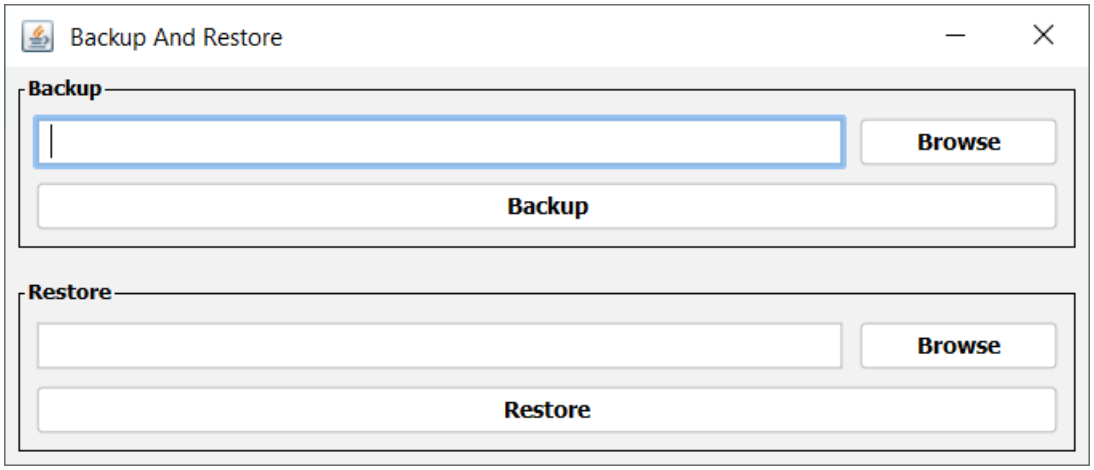

User Manager
User Details
Users
Details
User No
Name
NIC
Email
Contact No
Address
City
District
Not Selected
Province
Not Selected
Username
Password
Job Role
Admin
Register
Update
Remove
New
Users
Search
User No
Name
Email
Contact No
City
Username
Job Role
1
Nuwanga
nuwangaraj...
0713848592
Kelaniya
nuwa
Admin

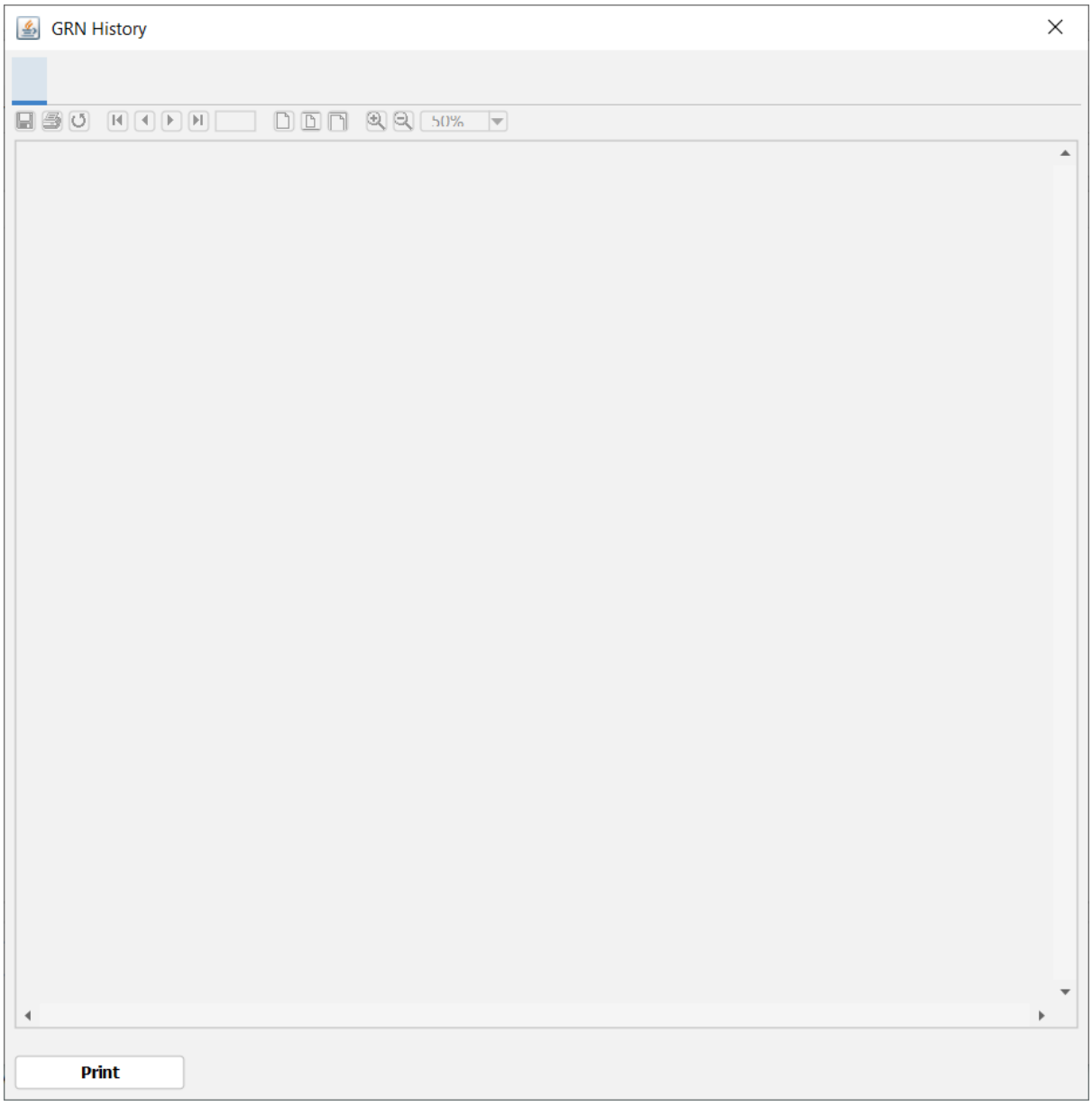

Grn Manager
Create GRN
GRN History
GRN Items History
GRN No
1
GRN Date
Jul 18, 2021
Supplier
Product
Unit Sell Price
Qty
Unit
Unit Buy Price
Discount
VAT
Amount
Add Row
Delete Row
Save GRN
New
GRN
Item Count
0
Discount
0.00
Total Amount
0.00
VAT
0.00
Net Amount
0.00


Select Supplier
Suppliers
Supplier No
Name
Email
Contact No
City
Company


Grn Manager
Create GRN
GRN History
GRN Items History
Search
Grn No
GRN Date
Supplier
Item Count
Total Discount
Total Vat
Total Amount
GRN
GRN History


Delivery Manager
Create Delivery
Delivery History
Details
Delivery No
1
Date
Jul 18, 2021
Transporter
Invoice No
0
Start Location
End Location
Delivery Charge
0.00
Save
Update
Remove
New
Invoice
Deliveries
Search
Delivery No
Date
Transporter
Invoice No
Start Location
End Location
Delivery Charge


Backup And Restore
Backup
Browse
Backup
Restore
Browse
Restore


GRN History
50%
Print

Other Non-functional Requirements

Performance Requirements

Performance requirements explain allowable reaction times for system functionality. Although the system is developed matching for the least system performances, the performance of the system will heavily rely on the performance of the software and hardware components of the installing computer. When considering the timing of the system the load time for user interface screens shall take no longer than two seconds. It makes fast access to system functions. The log-in data shall be verified within three seconds causes' productivity of the system.
Going back to query results within three seconds makes the search function more accurate.

Safety and Security Requirements

Safety Requirements

Designed for PAMUNUWILA HARDWARE (Pvt) Ltd, Hardware Shop Management System has several user stages, and a username login screen that requires a username and password secures access to the main access and subsystems. It presents different ideas and accessible functions at user stages across the system. Backup maintenance ensures the security of the system database. The system can be reinstalled in any emergency. Also, everything that happens when using the system is recorded in a log file with the date and time. Therefore, everything that happens while using the system can be known by studying the log file.

Security Requirements

The owners, managers, cashiers, and accountants can access the Hardware Shop management system. The owners, managers, cashiers, and accountants also have access to the subsystems. The owner has the greatest privilege for all subsystems. A username login screen that requires a username and password secures access to the main access and subsystems.

Appendix A - Group Log

- Zoom Meetings
- Research in the Internet
- Search in the Internet