Order to Cash Cycle

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Under the Guidance of

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Introduction: - The order-to-cash, also known as the O2C or OTC, process, refers to a company's business process for the entire order processing system. This is a set of business processes to manage from sales order right through to customer payments. It helps define your success as a company and your relationships with customers. Optimising this process eliminates inefficiencies and can produce benefits seen throughout the entire business.

There are mainly three actors involved in Order to Cash Process

1. Buyer: - Usually a retailer who purchase goods and services from the Seller. Buyers are the people who determine what products get to store shelves, in catalogues, and online. They do the footwork, the research and create the deals to buy large quantities of products for their companies, and then sell them to customers, or use them to create new materials that they then sell to customers.

2. Seller:-Usually a Manufacturer supplying goods to the retailer/buyer. A seller is an individual, or entity, who exchanges any good or service in return for payment.

3. Transporter:-Delivering goods to the Buyer. Transporter needs to know that where to deliver our packages. Whatever order created by User Transporter will deliver at their Door steps.

Use Case Diagram:-
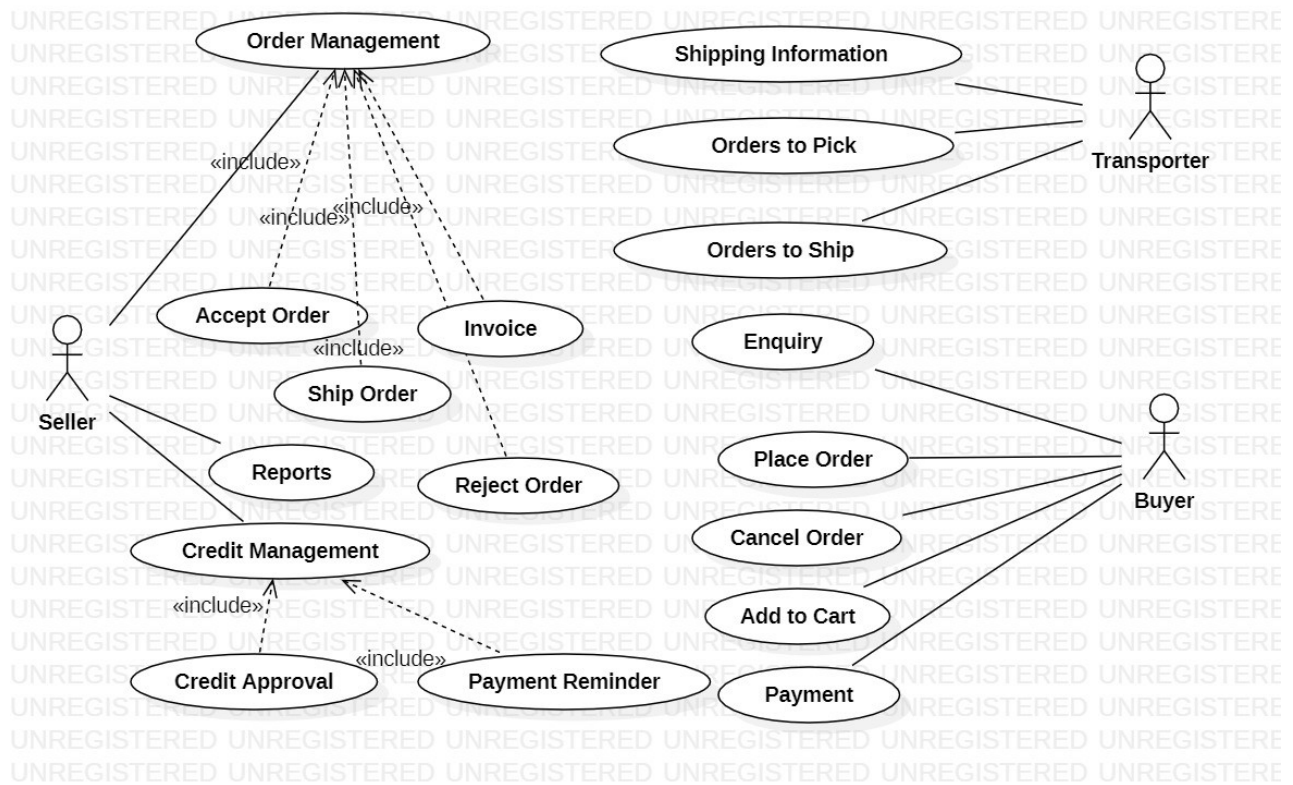
Flow of a System:-

Firstly the actor login to the system. The process contains three actors

User will login into System and also can change the password if he is forgotten. When the user login into the page, it will validate the user then user can access their account.

There are four exits of User validation Seller, buyer and transporter if any cases login fails; then again it comes on login page.

Wire Frame:-
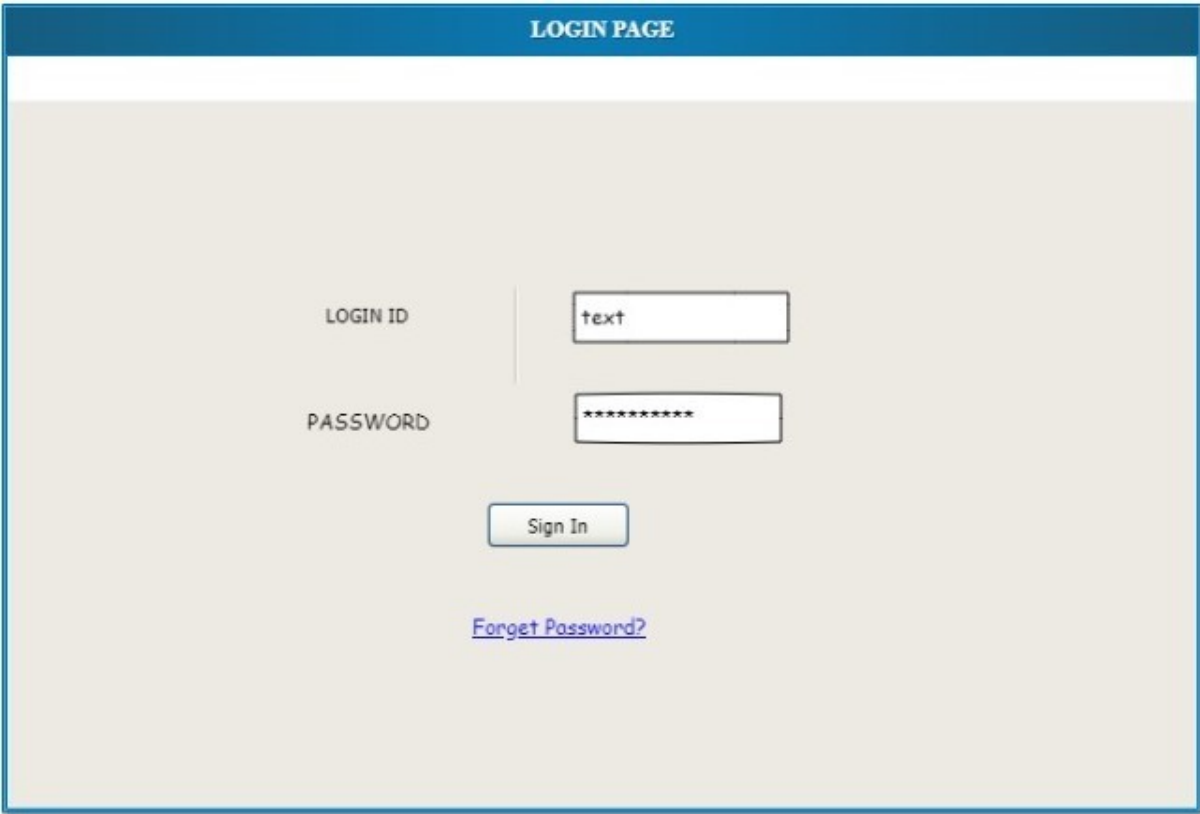
Flow Diagram:-
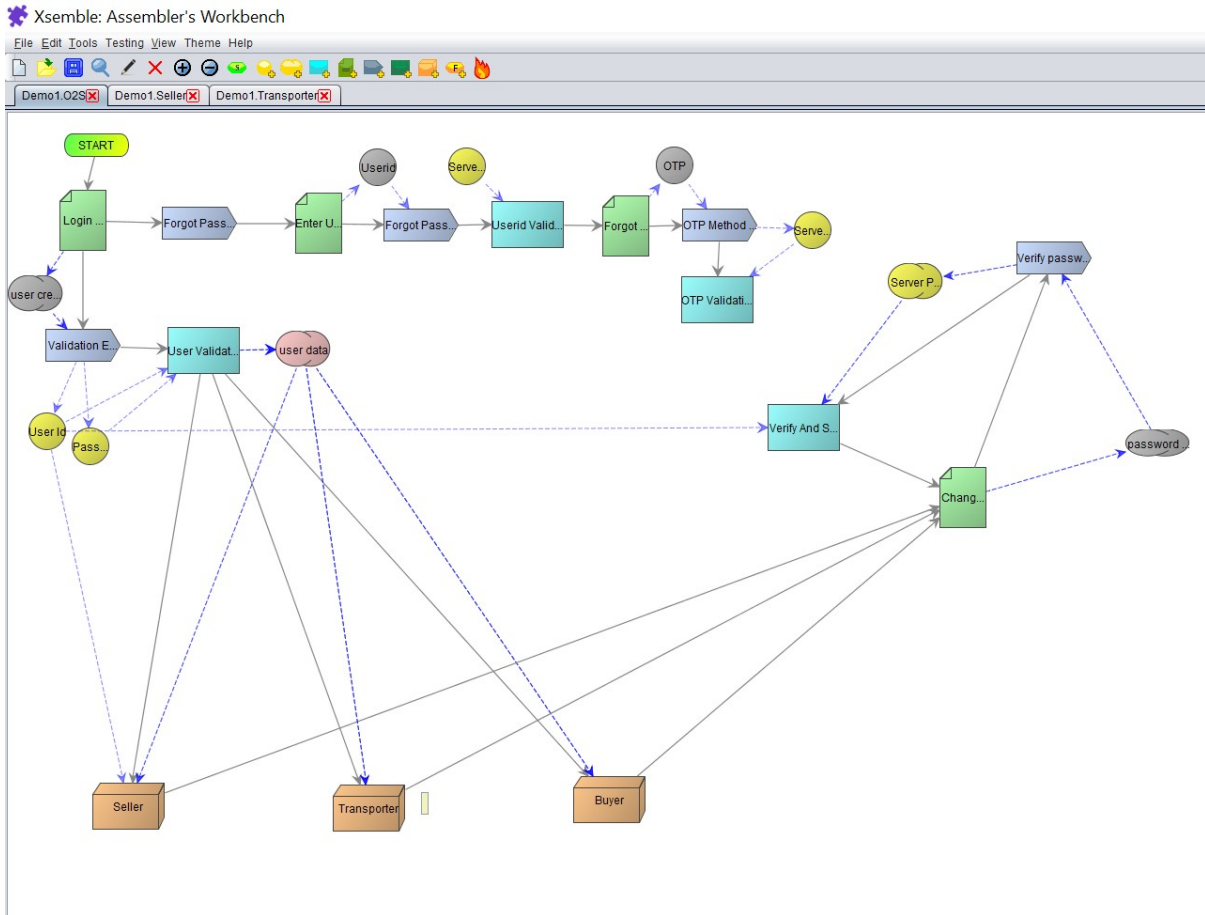
After successfully login. It will come on Welcome page. Welcome Page could be Seller, Buyer or Transporter depends on Their User Id and Password
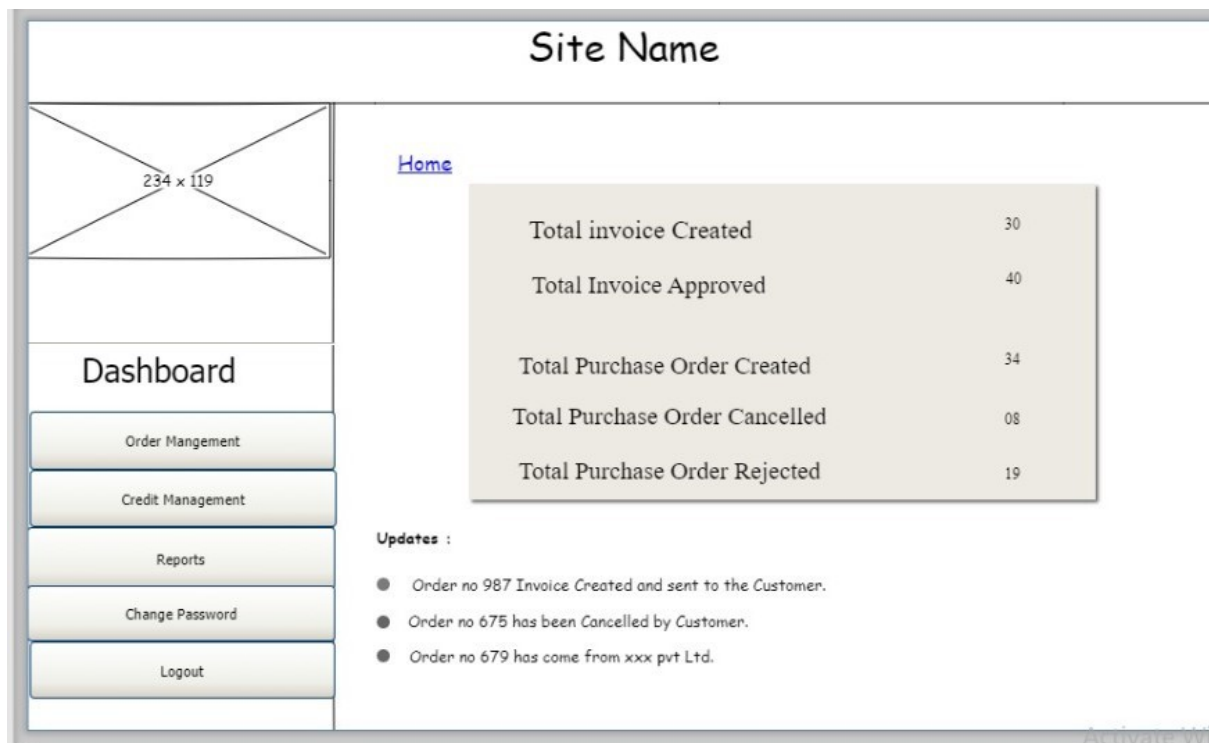
Seller:-

1st we took a database method (Load Seller Data to Show) to load data on Seller welcome page.

On Seller welcome page they can see the how much Order has been placed, how much cancelled, they can approve the orders which are created by the Customer, manages all the data related orders and payments. They can give the Approval of Rejection to Orders.

In Seller welcome page we have taken login id and order as in Arguments. The Exit path of seller are order management, credit management and reports.

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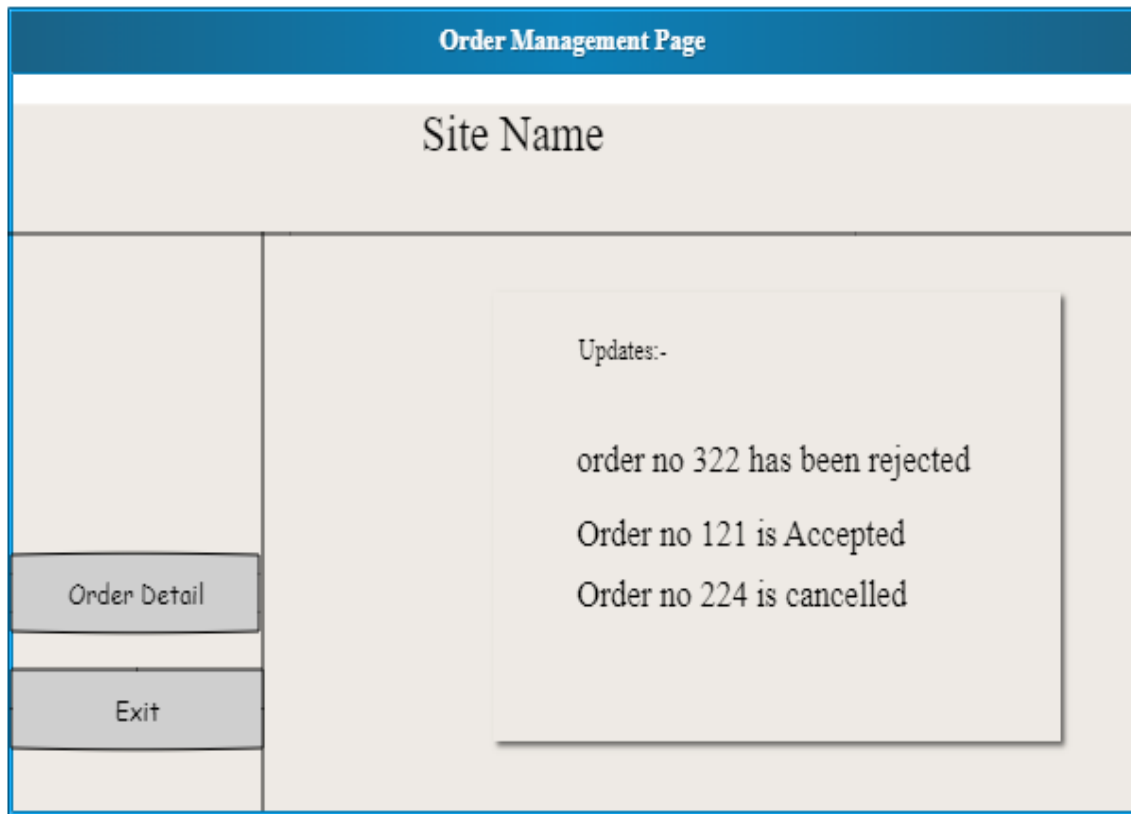
Flow Diagram:-
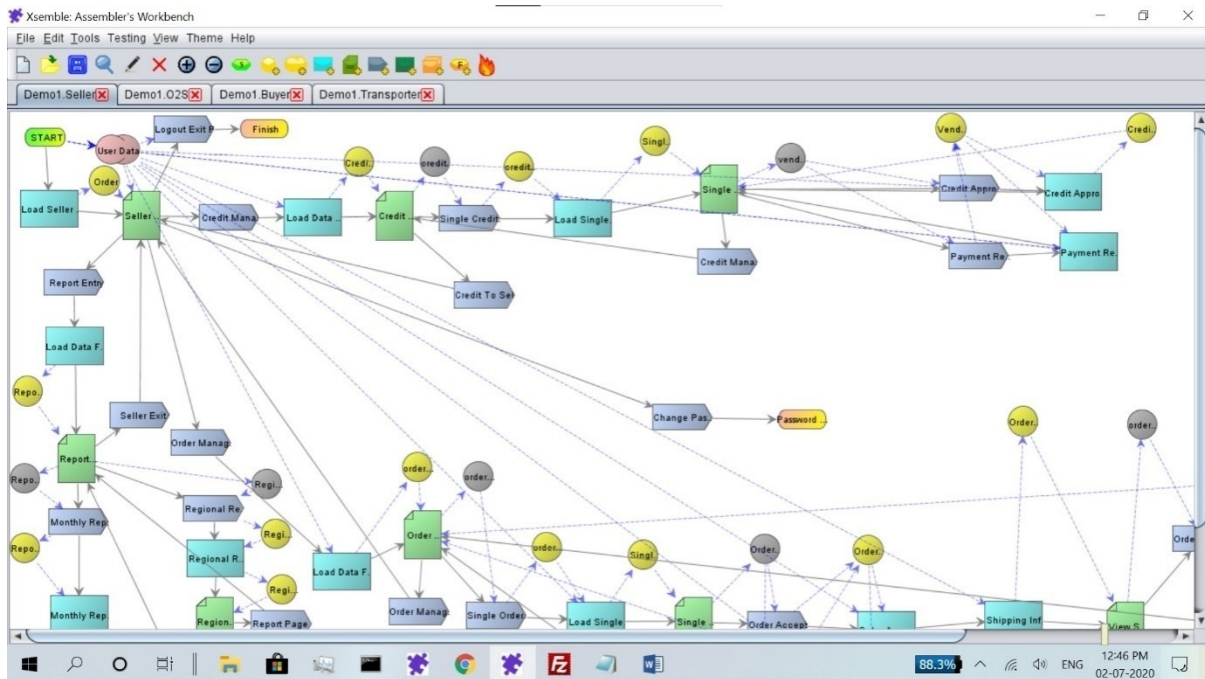
There are two Exits from Seller page. They are Order management Entry, credit management Entry

Order Management Entry :- After comes on Order management Entry the flow will go on Load data From database method, load data database is the method we use to load the data on order management page. For load data from database we have taken login id as in Arguments and Product data as in out arguments. And the exit part of this method would be Order Management Page.

Order management page:-In order management page we manage all the data related orders like Order Reject, Payment of an Order, Cancellation of Orders. The in Arguments of Order management page is reject message, shipped message and order data. Argument is order id and Entry from is load data from database order management and Exit is Single order page entry and order management to seller exit.

Wire Frame:-

Order Management Page

Site Name

Order Detail

Exit

Updates:-

order no 322 has been rejected

Order no 121 is Accepted

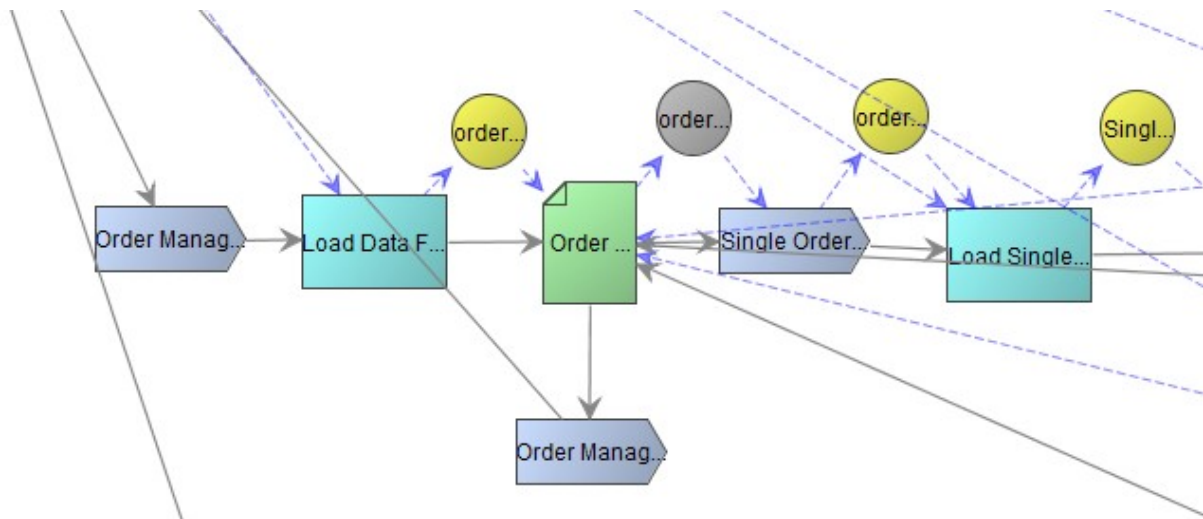Order no 224 is cancelled

Flow Diagram:-

Fig:-flow Diagram

The next flow of Product Page is Load all Orders Entry Point.

After order management page the flow comes on Single order page entry.

Single Order page Entry:-in single order page entry we have taken in arguments as order id and out argument as order id Exit path would be Load Single Order Data.

After Single Order Page Entry the flow will comes on Load single Order Data.

Load Single Order Data:-Load Single Order is Data Base method to load data on single Order page. In arguments is Order id Login id and out Argument as order.

After Load Single Order Data the flow will come on Single Order Page

Single Order Data Page:-In Single Order Data Page data will Show for Single user like what is his Order id, how much he paid for item, we have taken in argument as order data and out argument as an order data.
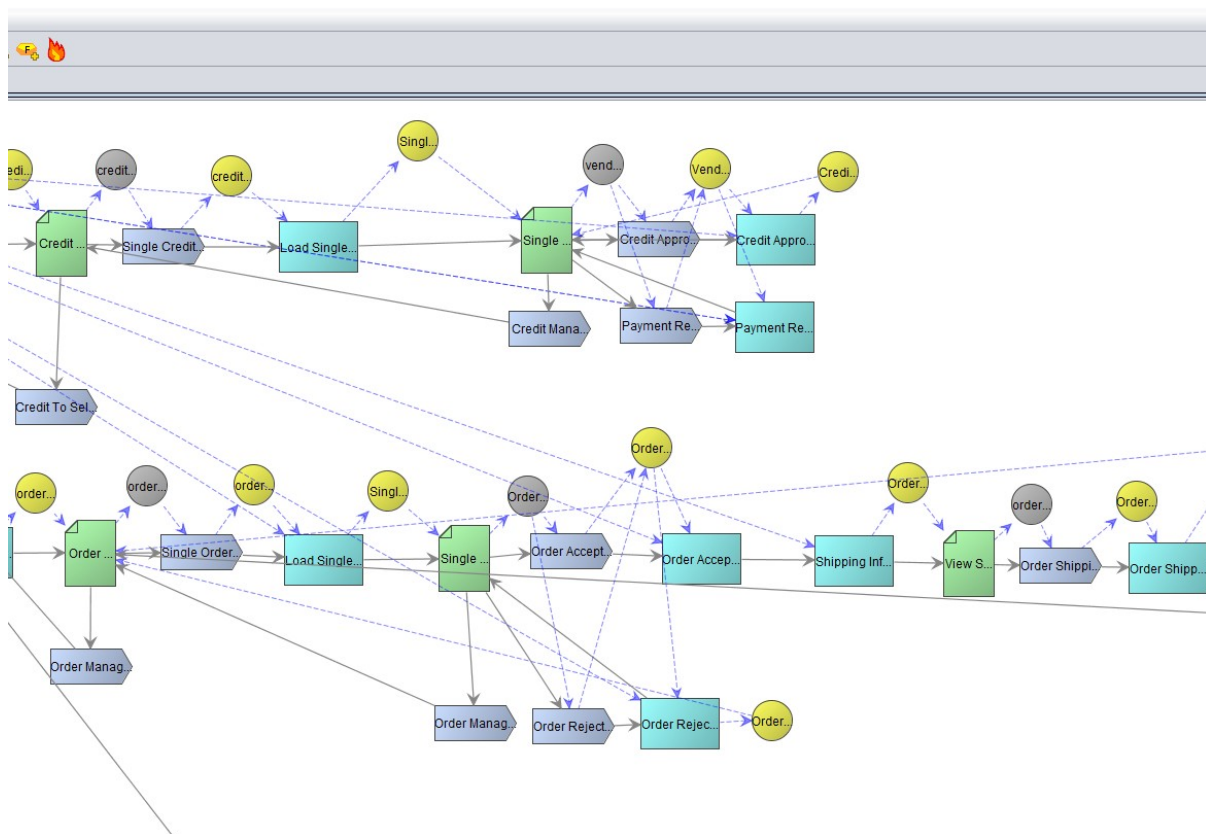
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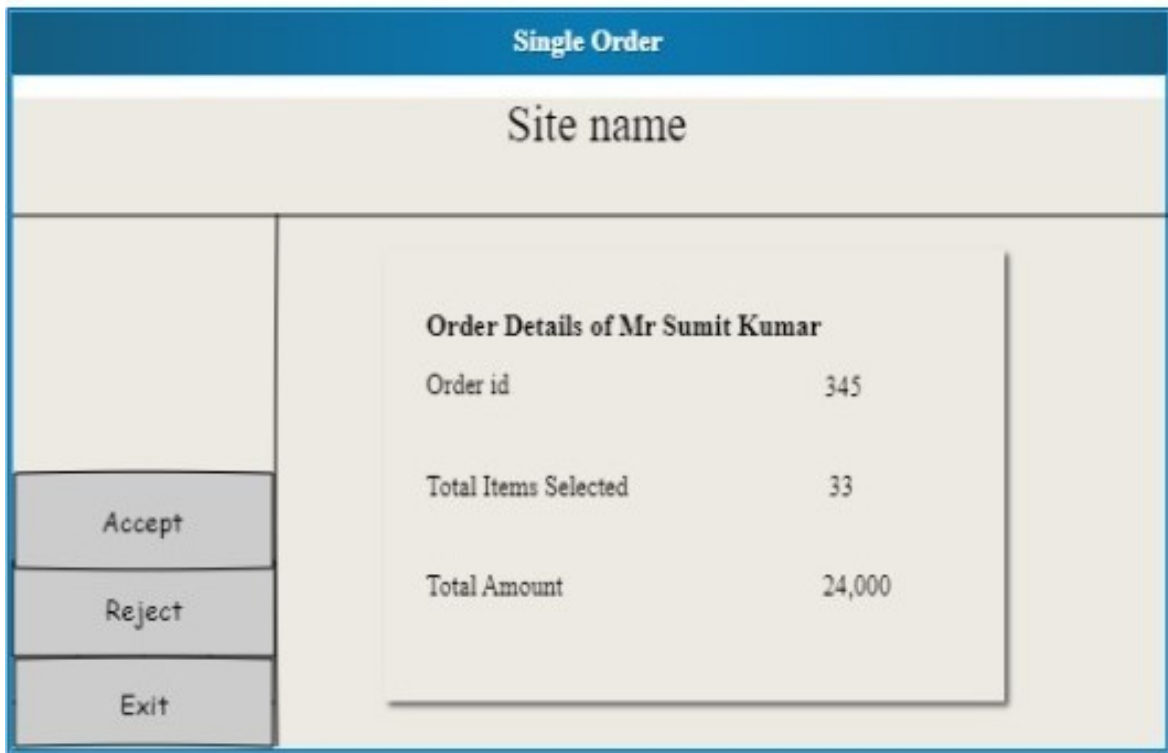
Flow Diagram:-

Fig:-flow Diagram

And the Exit path is order accepts entry, order reject entry and order management exit.

Order Accept Entry:-in order Accept Entry we take In argument as Order id and out argument as order id.

After Order Accept Entry flow will come on Order Accept method.

Order Accept Method:-In order Accept method we accept the Orders created by Buyers. We took Order id, login id as In arguments and the Exit path would be Shipping Information Data Load.

After order Accept Method the flow will come on Shipping information Data Load.

Shipping Information Data Load Method:-we have taken method as Shipping Information Data load to load the Shipping information of Buyer. Login id and Password used As In arguments and order shipping data as an out argument. The exit path is View shipping information page.

After shipping information data load method the flow comes on view shipping information page.

View Shipping information page: On Shipping information page we can see the information about shipments like which Orders are shipped and which are still pending as in arguments we taken a shipping information and Exit path is order shipping Entry.
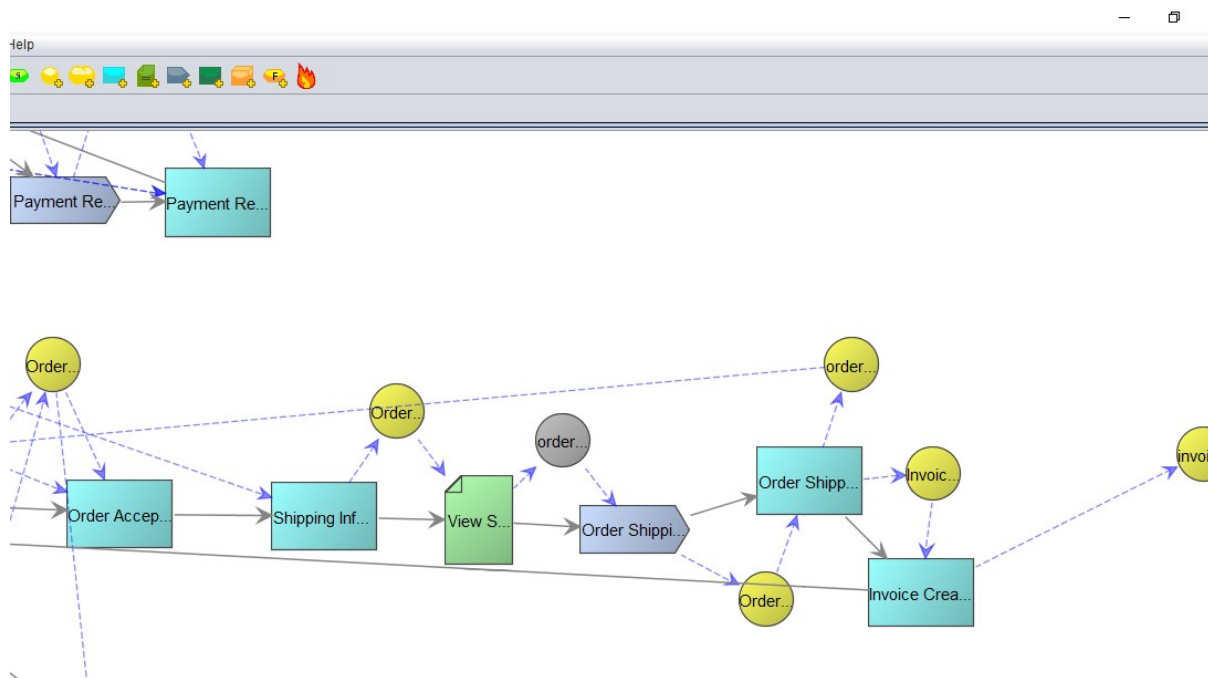
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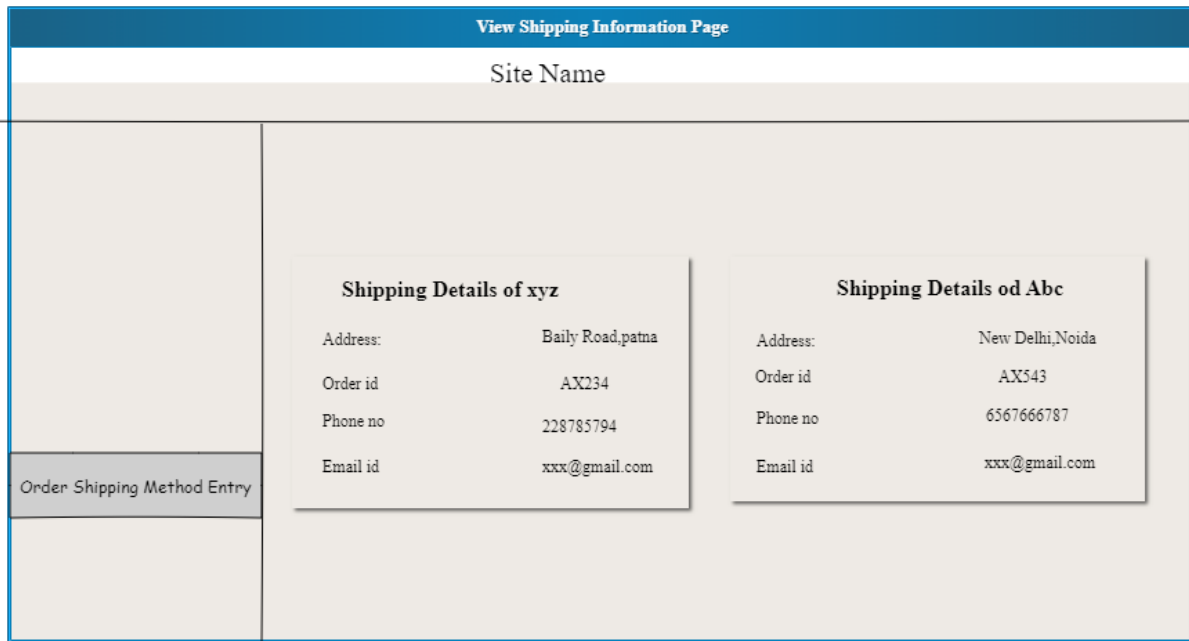
Flow Diagram:-

Fig:-flow Diagram

After Shipping information page the flow will come on Order Shipping Entry.

Order Shipping Entry:-In order Shipping Entry in variables is shipping information and out is order id. And exit path is order shipping method.

After order shipping entry the flow will come on order shipping method

Order Shipping Method:-as in arguments is order id and out argument is order ship message and order id exit path is Invoice create Entry.

After all these flows Seller will send Message to the buyer for payment.

Invoice Create Method:-In this method Seller will send Message to the Customer for payment In arguments is order id and login id.

Seller's next flow is on Reports Entry:-In Reports, They manage all the data about Seller like which product is sold how much they paid.

All these information come in reports.

For report 1st we take Report Entry.

Report Entry: - there is exit path of report entry is load data from Data base report method.

Load Data base Report method:- We use this method to load Data from database on Our Report page in arguments is report data, out argument is report data and exit paths are report method entry, seller exists.

After this flow We move on report method entry.

Report Page:-Report page will show the different types of reports of selling, like how much product we sold what we have left. Which customer has due for payment, etc.

**Monthly Report Entry:-**in arguments is report data and out argument is same.

After this flow is on Monthly Report Method

Monthly Report Method:-we took method to show the monthly reports in Product, like whatever we sold. Arguments are report data out argument are sales figure, no of orders and region.

After this flow We move on Show Report Page

Show Report Page:-In this page seller will be able to see list of many type of reports and then he will select the report and the following report will be generated using Report Method and will be delivered to seller on Show Report Page .
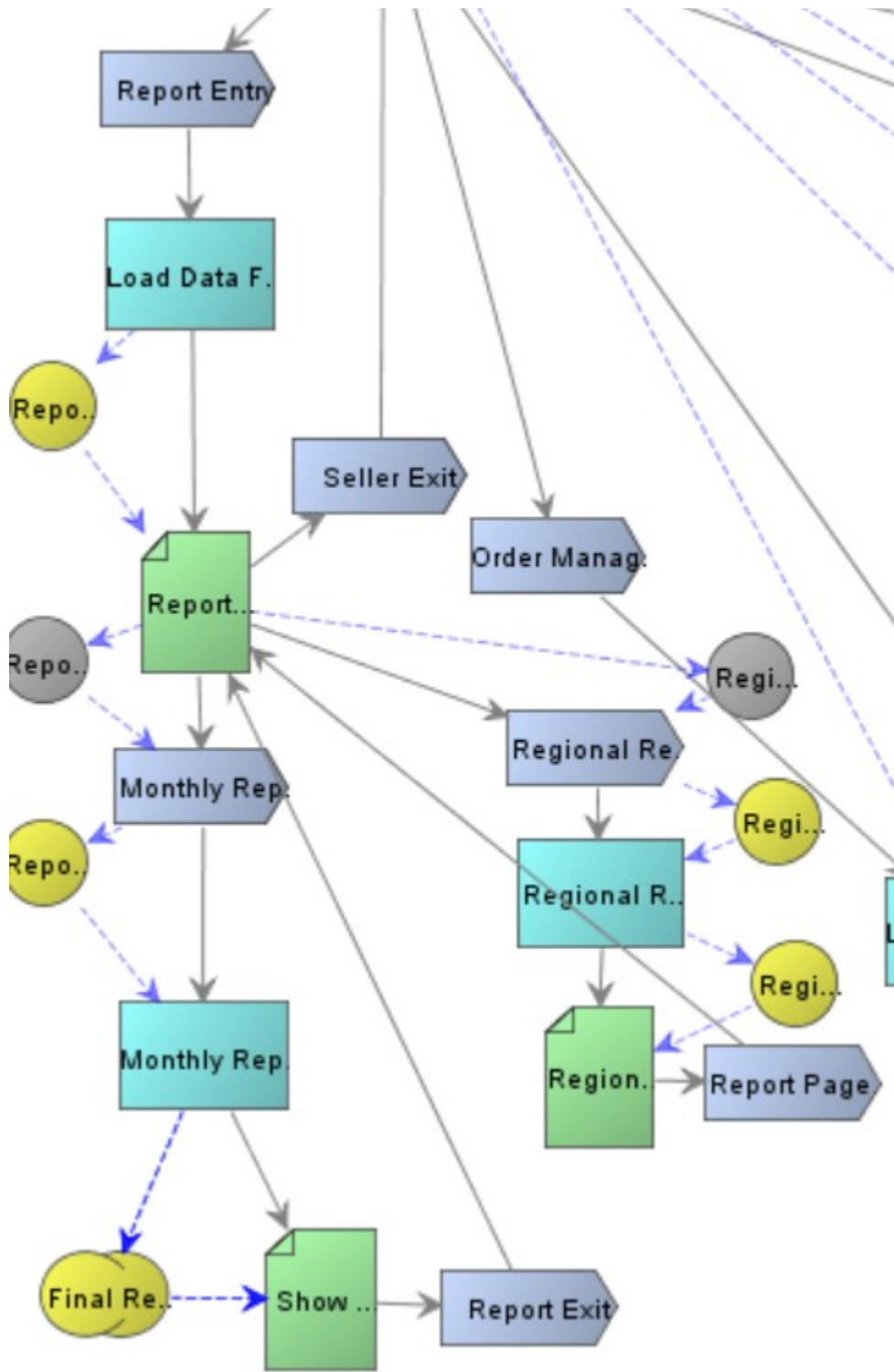
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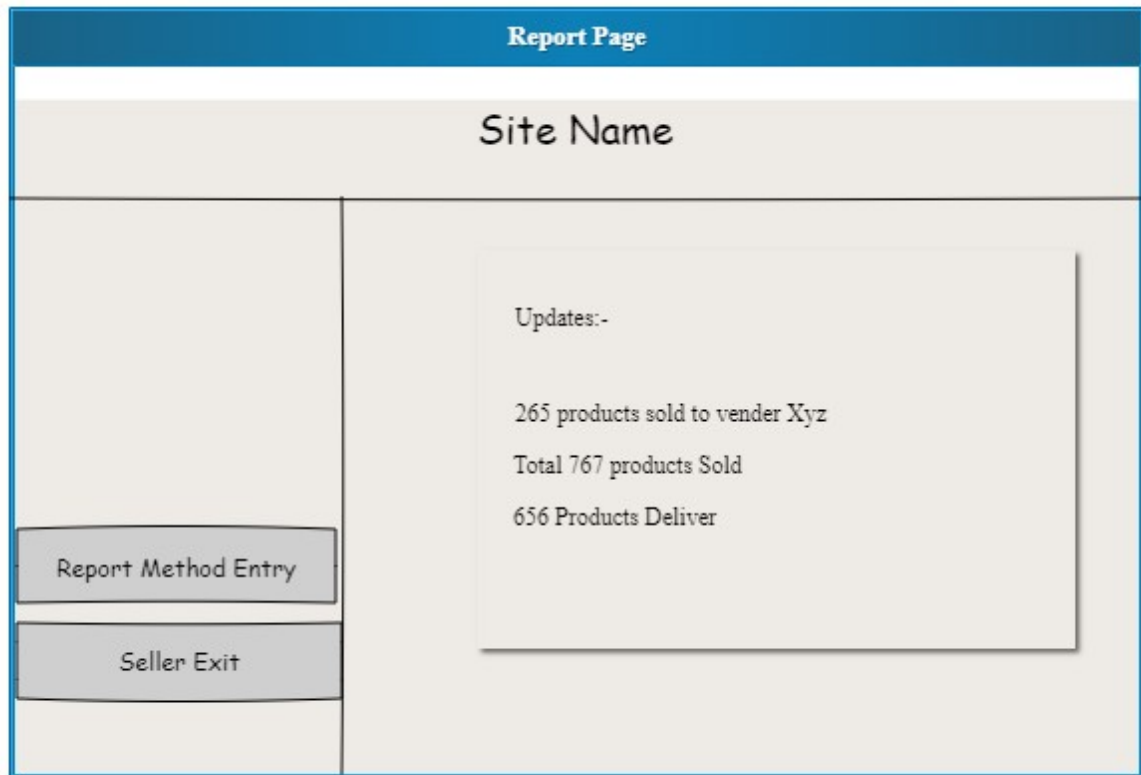
Fig:-flow Diagram

In arguments are sales figure, no of orders, and region and exit path is Report Exit.

Report Exit:-This One is Exit of Report page.

Credit Management: - Credit Management Managing the credit profile of your Buyer and putting checks and holds on amount of credit that can be extended to one customer.

Next Exit of Seller is Credit management Entry, Exit path is Load Data of Creditor Method.

After Credit Management Entry the flow will comes on Load data of creditors.

Load Data of Creditors:-this method is for load data of creditors on

Credit management page in argument is login id and out arguments is Creditors and Exit path is Credit Management page.

After load data of creditors the flow comes on Credit Management Page.

Credit Management Page: - As on Credit Management page we will show all the data about creditor for in arguments we took as Creditor data and an out arguments we taken creditor id. For exit paths are credit to Seller exit and single creditor Entry. Credit to seller exit path is Seller page.
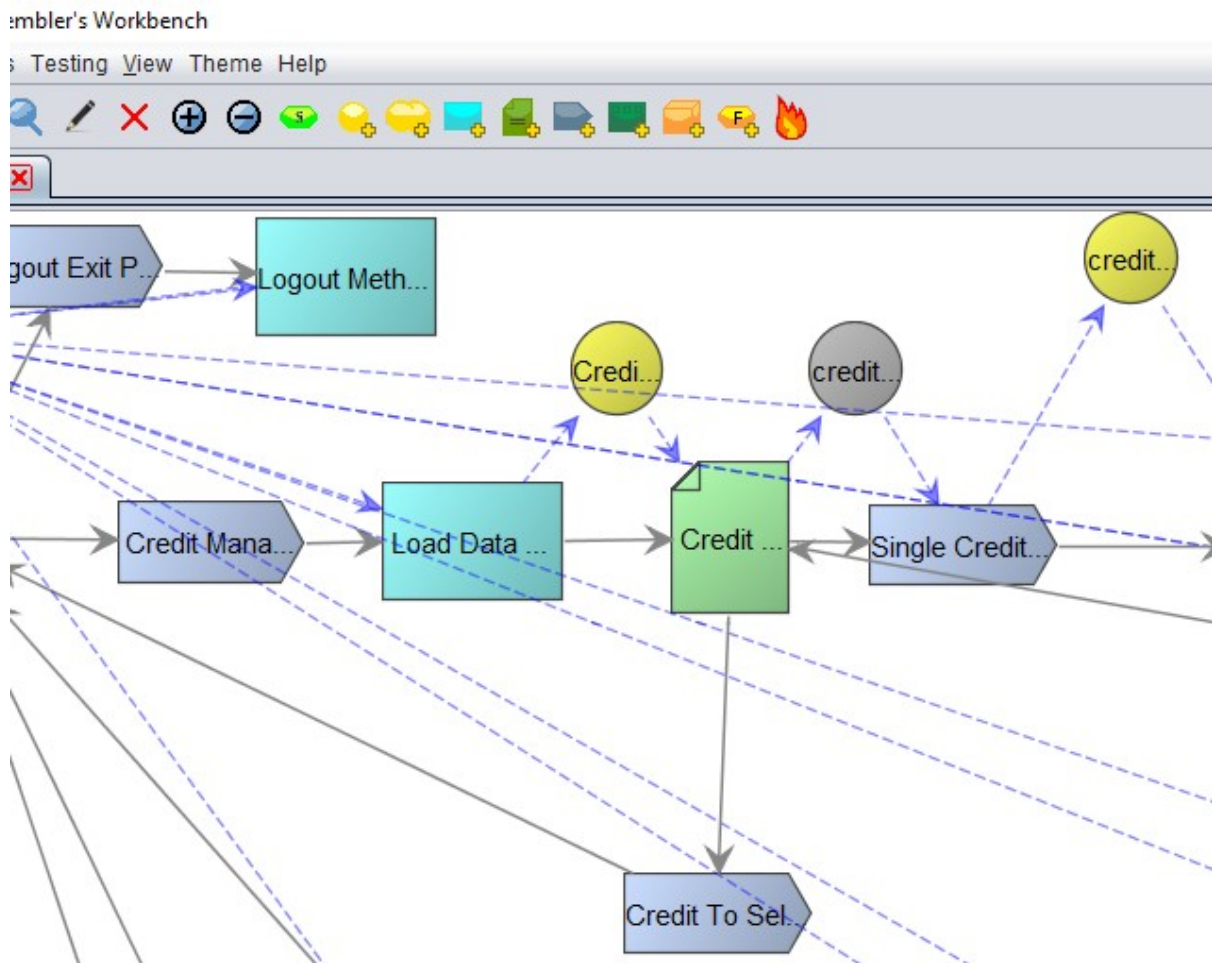
Wire Frame:-

Flow Diagram:-

Fig:-flow Diagram

After Credit management page flow comes on Single Creditor Entry.

Single Creditor Entry: - we took as in argument as creditor id and out arguments is creditor id.

After Creditor Entry Flow will comes on Single Creditor Method.

Single Creditor Method:-Use for Single Creditors the exit path is Single Creditor page.

Single Creditor Page: - Single Creditor Page is for Single User/Creditors
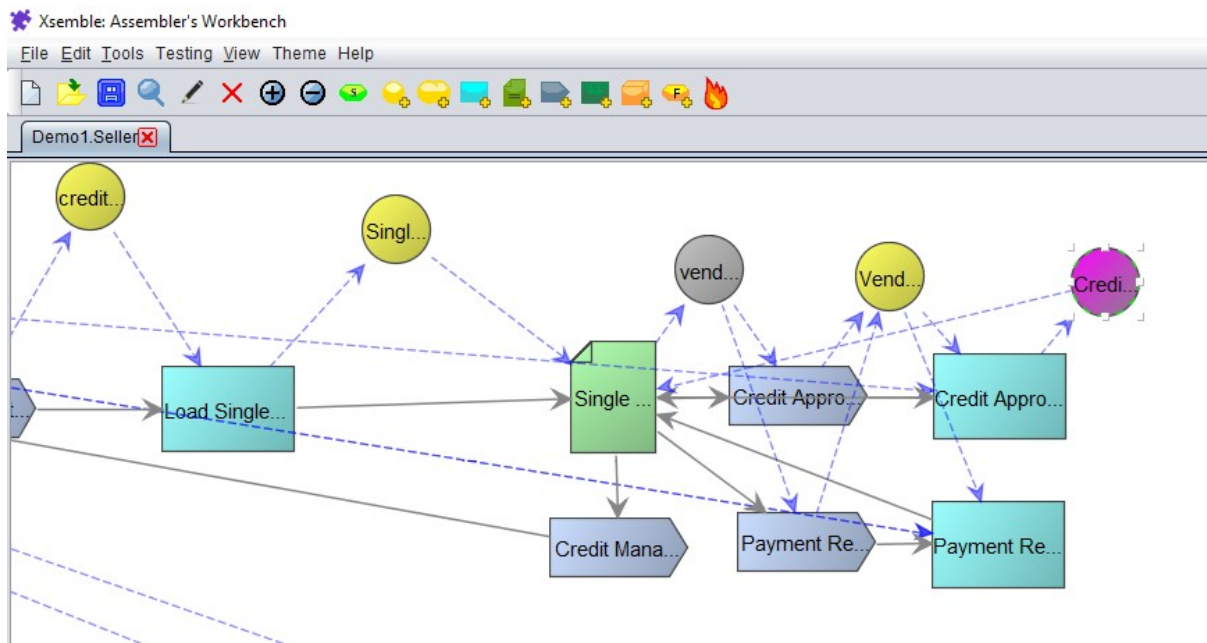
We take in arguments as creditor, payment message, and credit message and out arguments is vender id.

Exit paths are Payment remainder Entry, credit approval Entry, credit management exit.

Wire Frame:-

Flow Diagram:-

Credit Approval Entry: - in argument as vender id and out argument as vender id.

After Credit Approval Entry the Flow comes on Credit Approval Method.

Credit Approval method: - to approve the credit requests of customers .in Credit Approval Seller Will Approve the Creditor and vendors the in arguments is vender id and login id. And out argument is credit approved message.

The Next Exit path is Payment Remainder

Payment Remainder Method:-Payment Reminder Method will Remind the creditors for payment through email, phone no, the in arguments is vender id, email id, phone no and Exit is Single Creditor Page.

The next Exit path of Single Creditor Page is Credit Management Exit

The Exit path of Credit Management Exit is Credit Management Page.

Product Page:- On Product page, product data will load from Database we have taken in argument as login id, order cancel message, enquiry sent message and product data and out Argument as order id. there are two exit paths these are Single Product Entry, Load All order Entry point.

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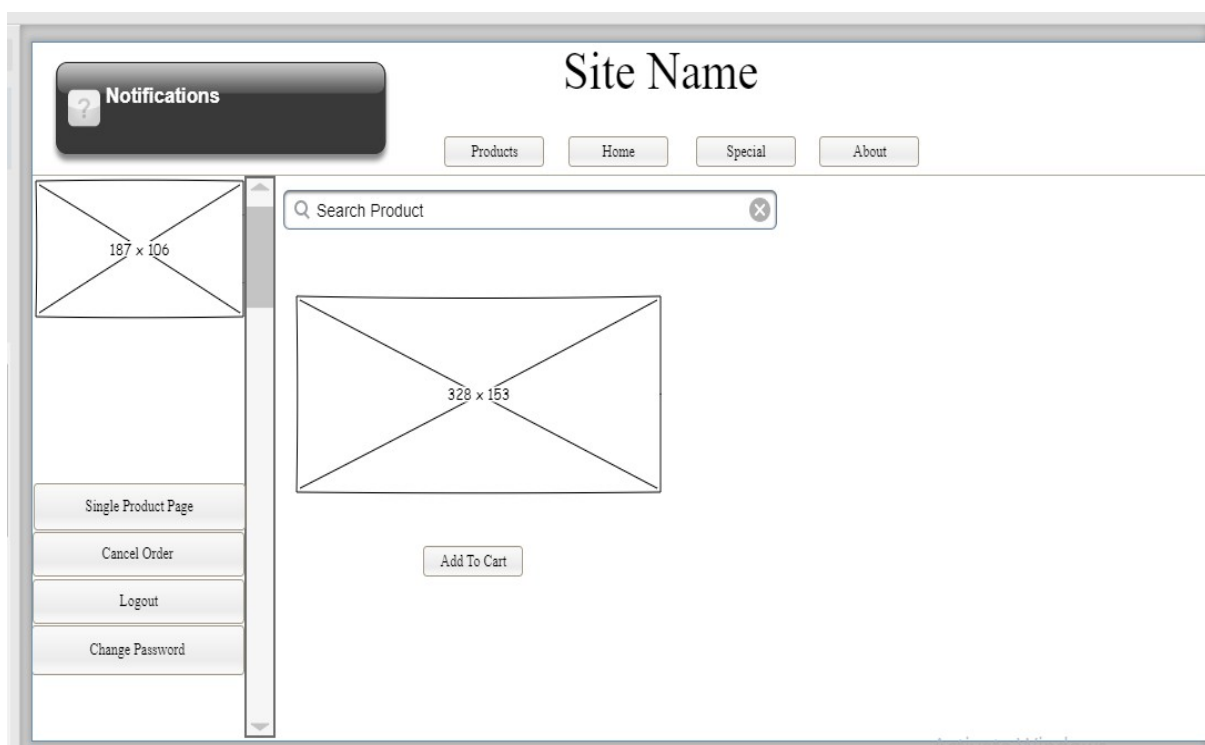
Flow Diagram:-
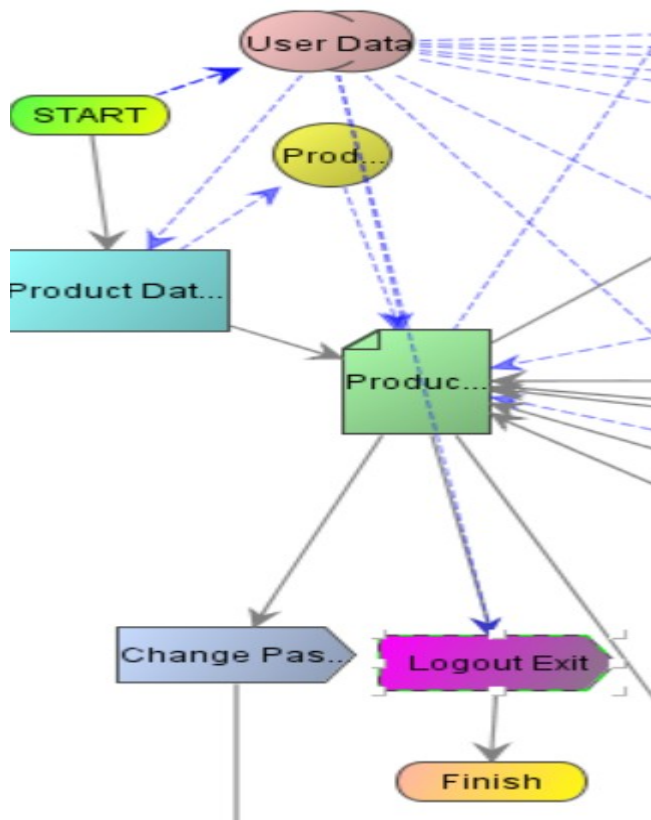
Single Product Entry: - Entry Point to connect Single product page the in argument is product id and out argument is order data.
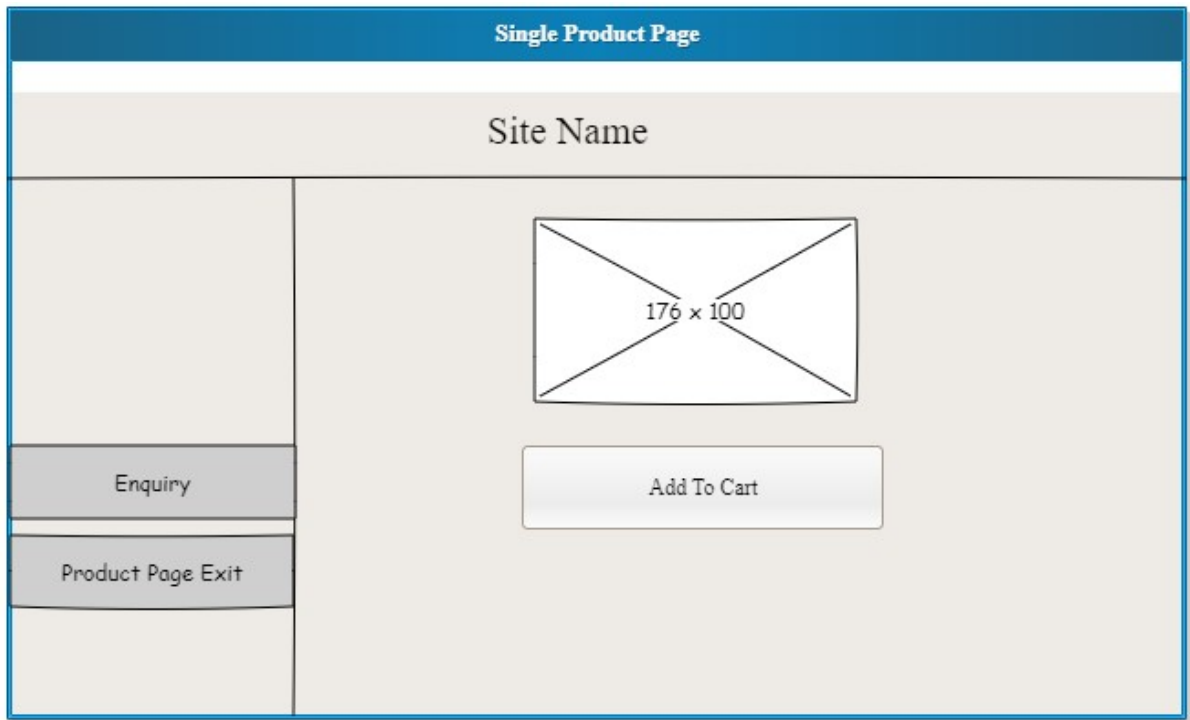
After Single Product Entry flow will comes on Single product method.

Single Product Method:-the in argument is product id and out argument is product data

After single product method flow will come on Single product Page.

Single Product Page:-On single product page the product would be show to the single user whatever they Selected it will show on Single Product Page. the in argument is product data, and out argument are queries, product data. And Three Exits these are Enquiry Entry of Product, Product Page Entry and Add to Cart Entry.

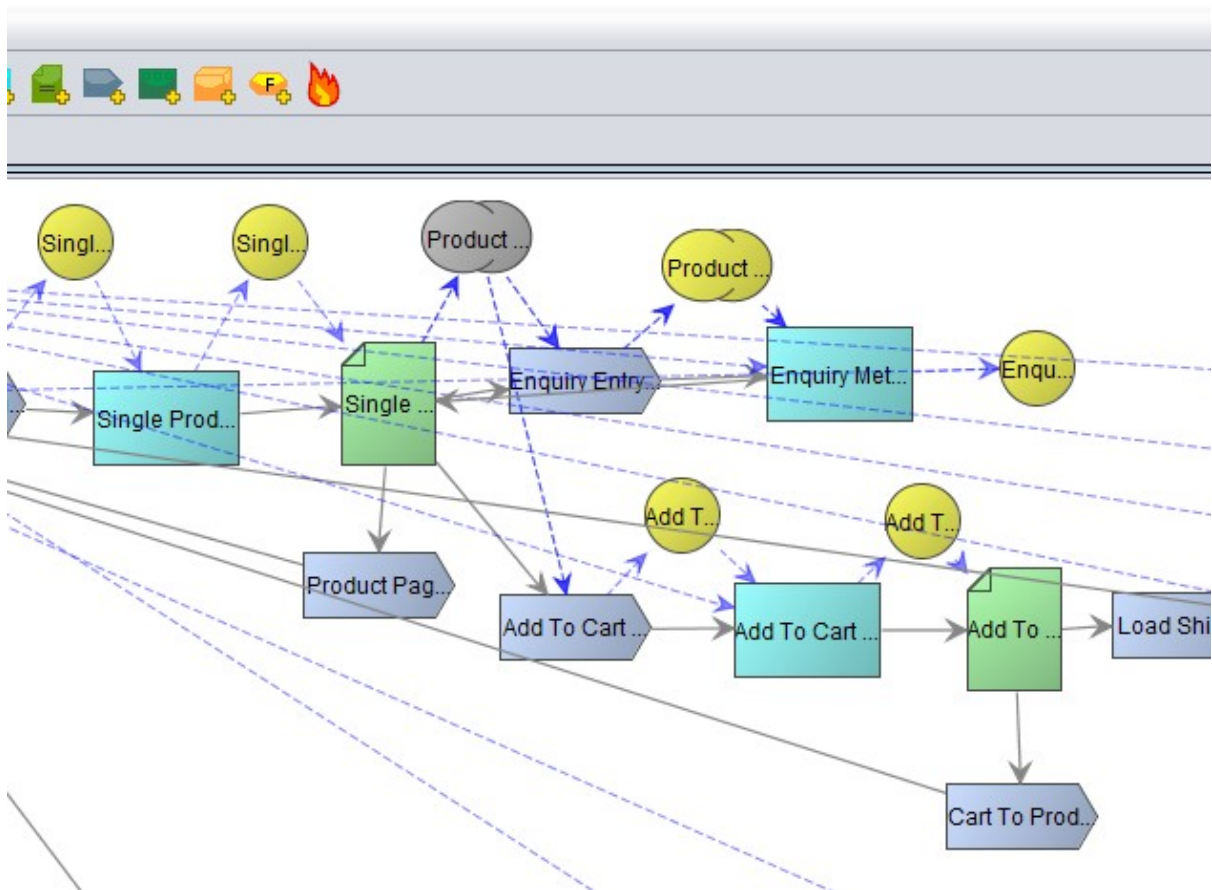**Wire Frame:-**

Flow Diagram:-

Fig:-flow Diagram

Enquiry Entry of Product: - Here Buyer Will Enquiry about Product the in argument is product id and queries and out argument is Enquiry sent message.

After Enquiry Entry of Product:- In arguments are Login id, Product id, and query and out argument is Enquiry sent Message.

The next Exit path of Single Product is Add to Cart Entry.

Add to Cart Entry:-If Buyer Wants to Buy Something Then he will Add the Products into the Cart.

Add to Cart Method:-In argument is product data and login id and out argument is product data and Exit path is Add to Cart Page.

After add to cart method the flow will comes on Add to Cart Page.

Add to Cart Page:-On Add to Cart Page Whatever We added on Our Cart it will show on page in argument is Product data and Exit Paths are Load Shipping info Entry and Cart to Product Page.

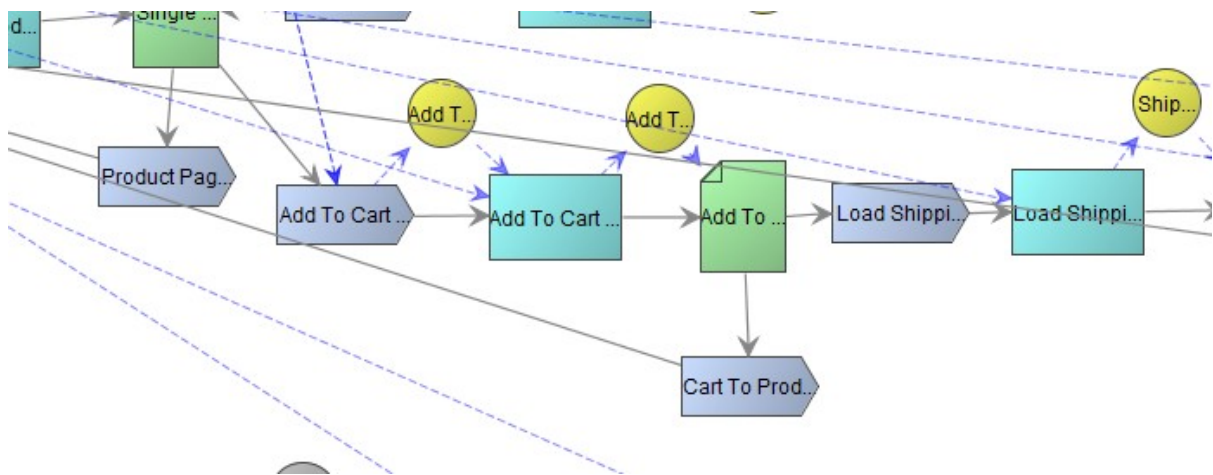**Wire Frame:-**
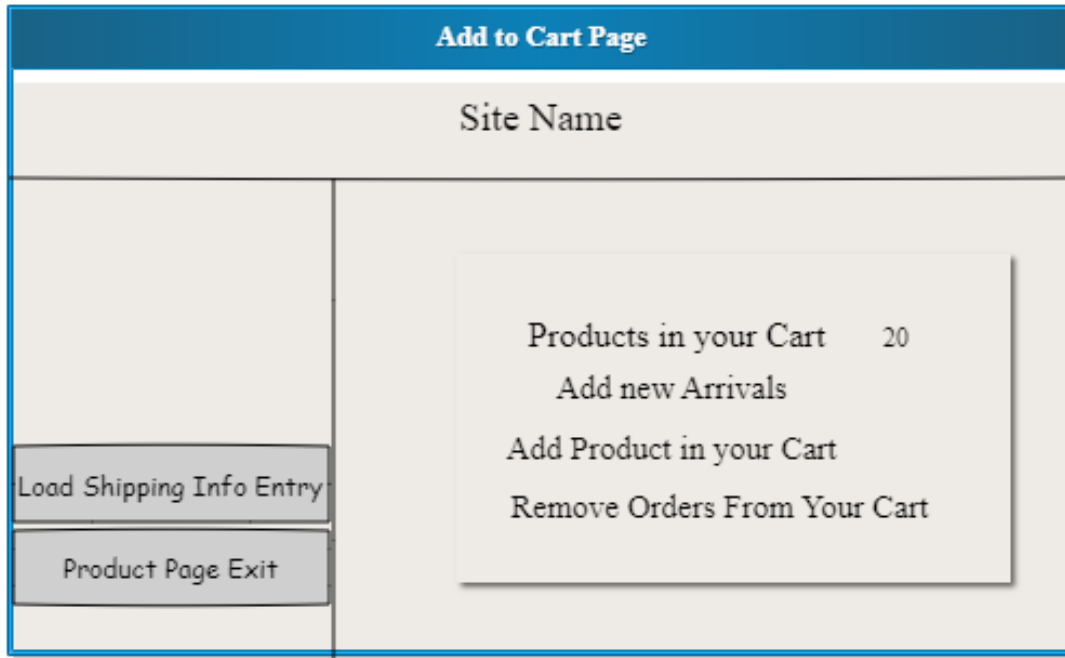
Flow Diagram:-

Fig:-flow Diagram

After that Flow comes on Load Shipping Information Entry.

After Load Shipping information Entry flow will come on Load Shipping Information Method:-

Load Shipping Information Method:-to load Shipping information about user. In arguments is Login id and out argument is Shipping Information

And Exit path is Shipping Information Page.

After Load Shipping Information the flow will come on Shipping Information page.

Shipping Information Page:-Shipment Related on Shipping Information page like where to deliver .Delivery Address, Customer name his phone no, email id.

Wire Frame:-

Shipping Information Page
Site Name

Payment Page Entry

Your Shipping Details
Rohit Sehgal
Flat no 302,narayan city

Phone no- 2323332

Price Details:

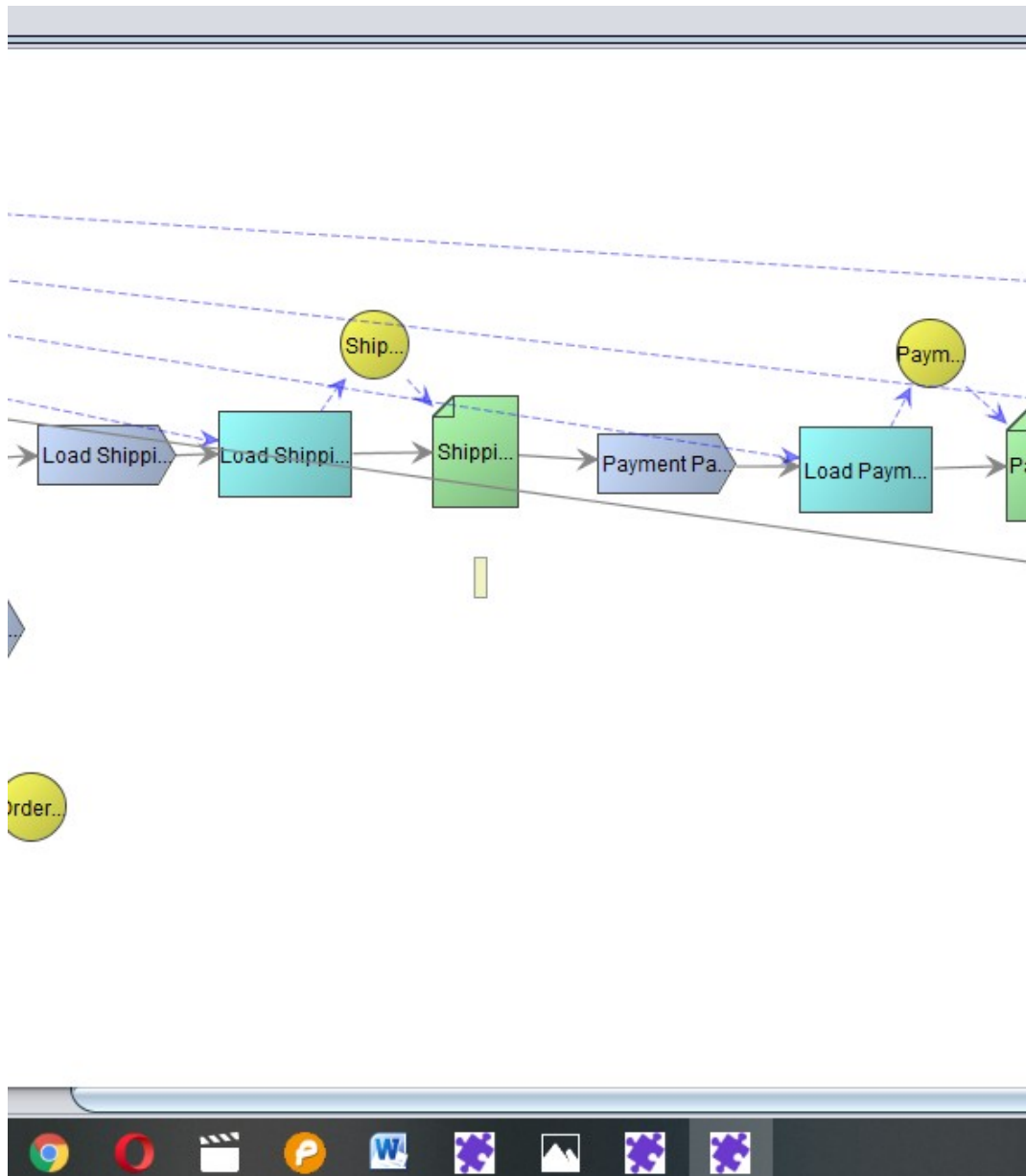| Discount	2,000
Price	20,000

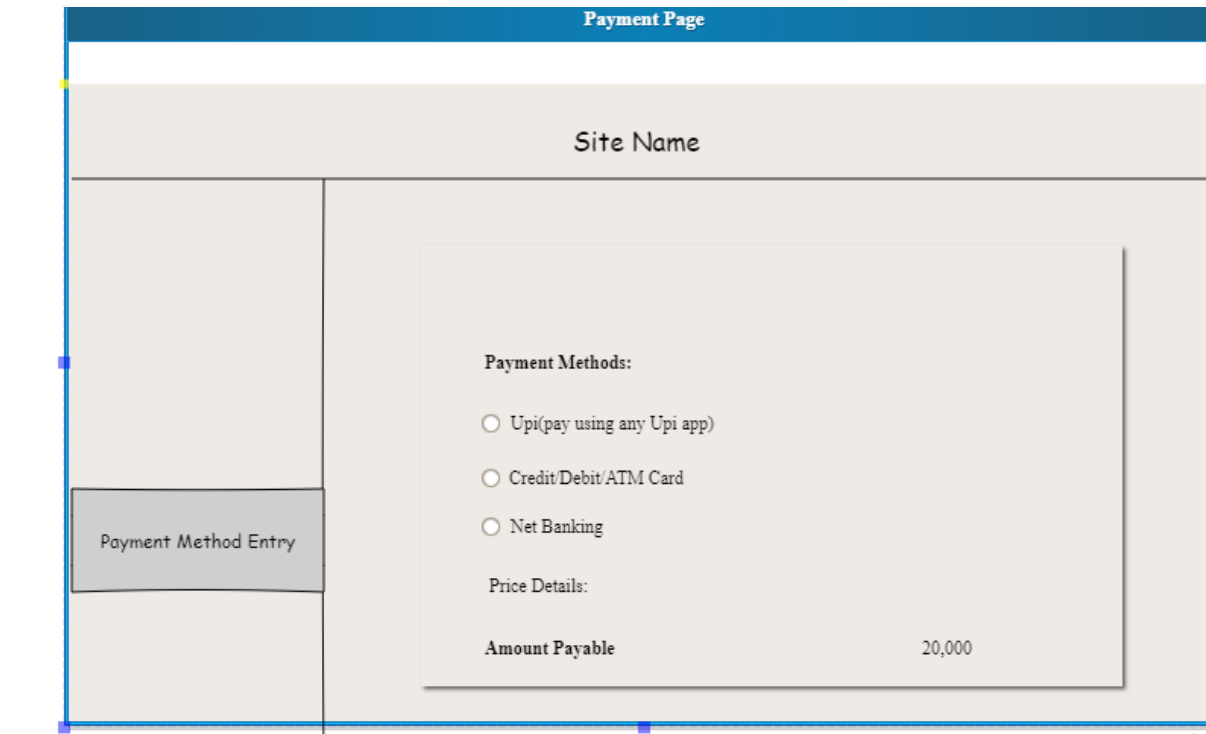**Flow Diagram:-**

Fig:-flow Diagram

After that flow will go on payment page Entry and after payment page entry flow is on payment data method.

Payment Data Method: - for payment of User we took Payment **method** in arguments as Login id and out argument as payment Info. like what is your payment mode. And Exit path is payment page.

Payment Page:-on Payment Page we Choose what will be our payment method after giving Shipping Information User will come payment

Here he will select Payment mode.

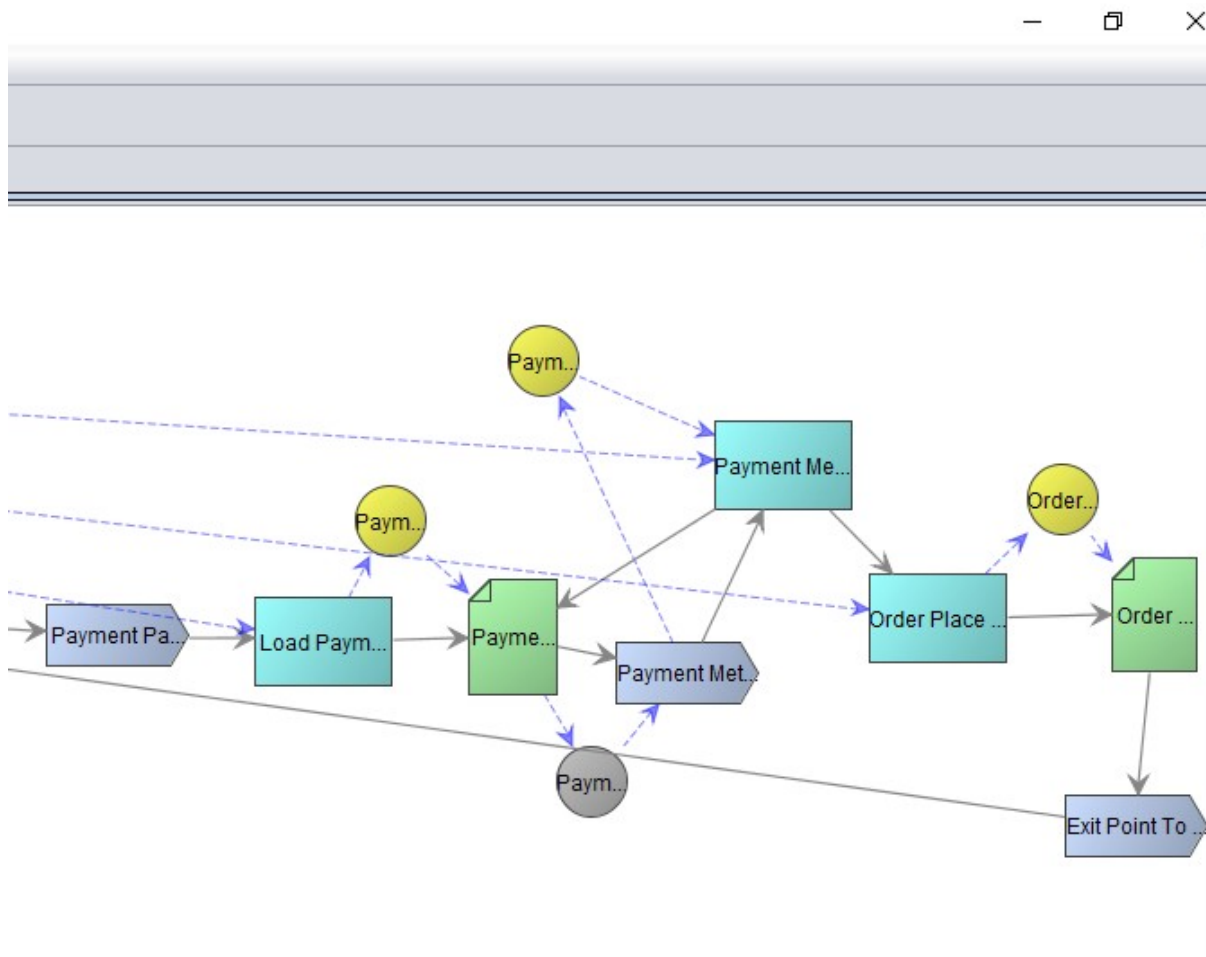**Wire Frame:-**

Flow Diagram:-

Fig:-flow Diagram

After payment page flow will come on Payment Entry after payment Entry flow will come on Payment Method.

Payment Method:-we have taken payment method for completion of payment as in arguments order id and login id .Exit path If payment is success the flow will go on order place method and if payment is failed then flow will go payment page.

Order Place Method:-In arguments are order data and login id out arguments is order id.

After order place method flow will come on order place page.

Order place Page:-On this page we get message that order has been placed. in arguments is order id and out arguments is order has been placed. Exit Path is Order Place Exit.

After single product page the flow will come on Load All Order Entry Page after Load All Order Entry Page the flow will come on Load All Order Method.
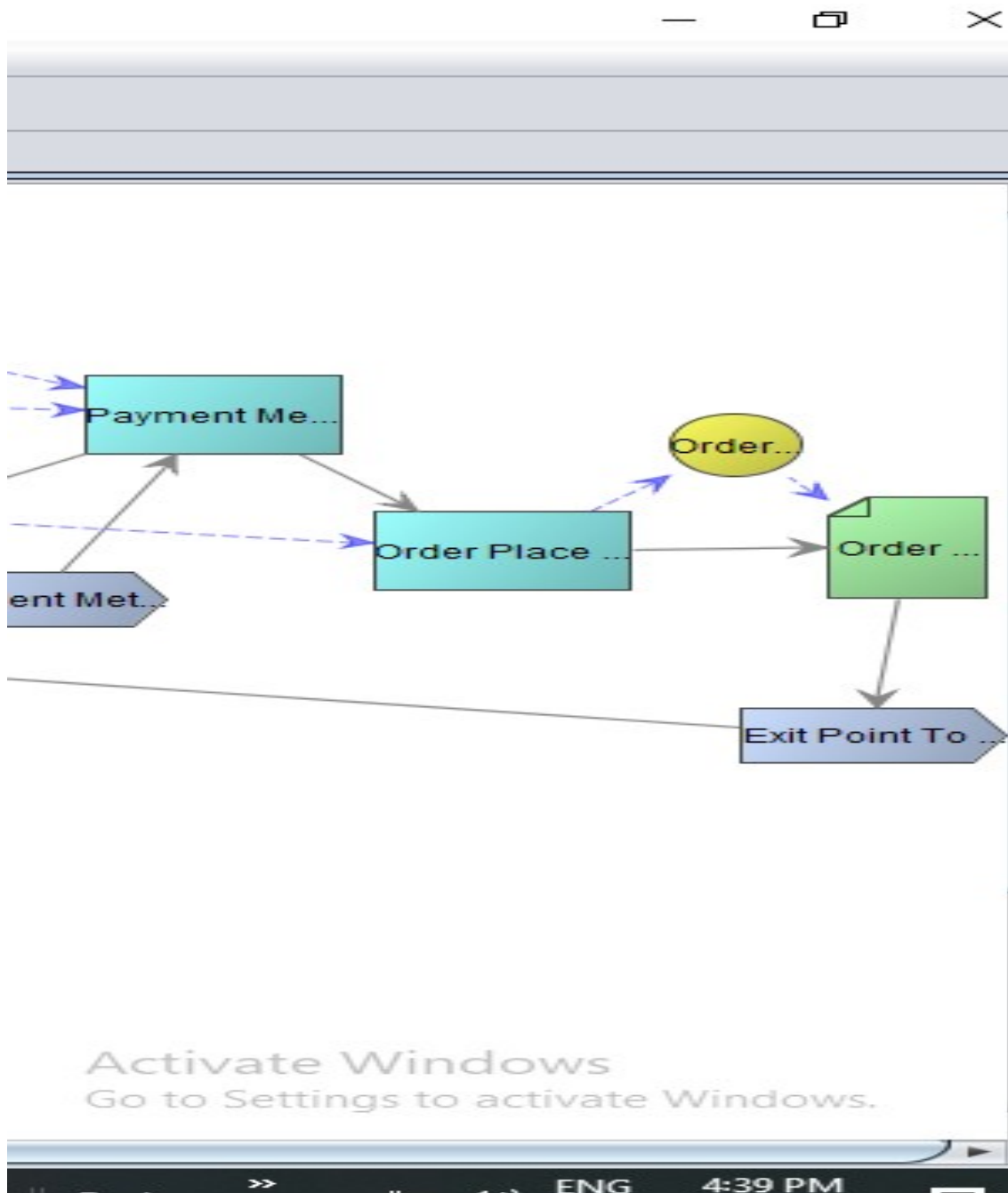
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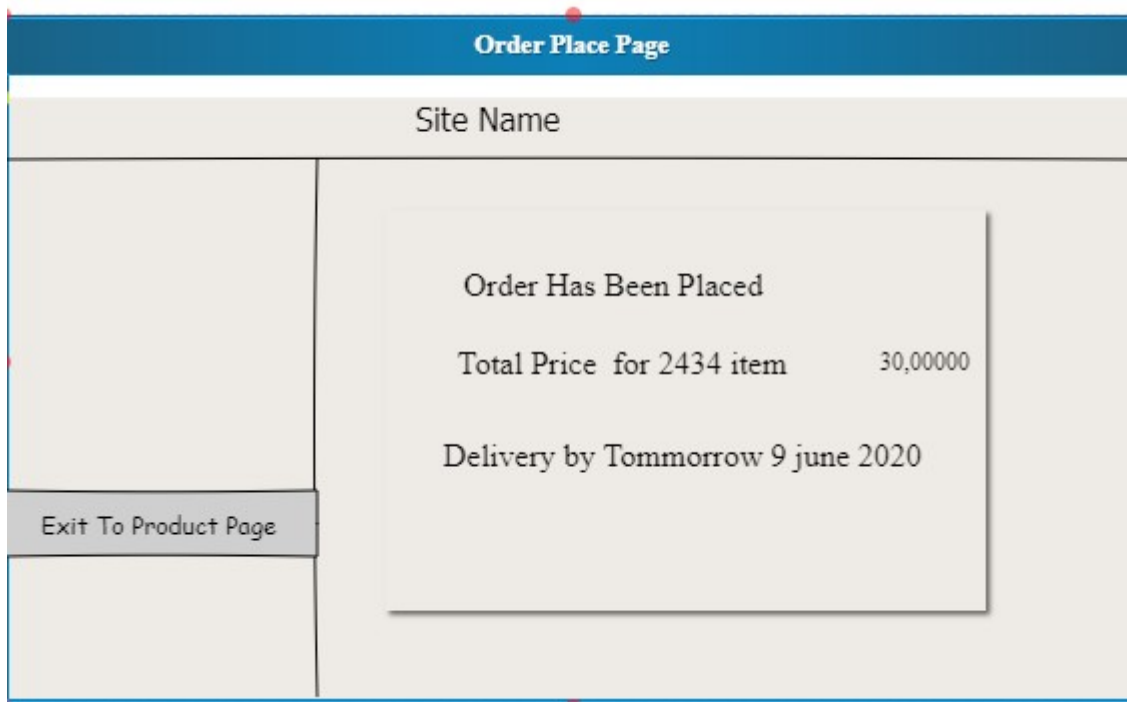
Fig:-flow Diagram

Load All Order Method:-to Load Orders Details In argument is Login Id and out argument is

Orders.

Exit Path is All Orders View Page.

All Orders View Page:-in Arguments is order out argument is order id

And two exit paths cancel order entry and all orders to product page exit.

After all orders view page flow will comes on cancel order entry, so we can cancel/return the order after that cancel order method.

Cancel Order Method:-in argument is login id, order id and out argument is Order has been returned message.

The next flow of orders view page is all orders to product page exit.

To existence of page and exit path is product page.

Transporter Page:-On Transporter Page we show order data to deliver of goods and pick of goods. the in argument is login id and Exit Paths are Load Order Data Entry, Load Orders to Pick Entry, Logout Exit Point, and Change Password Entry.
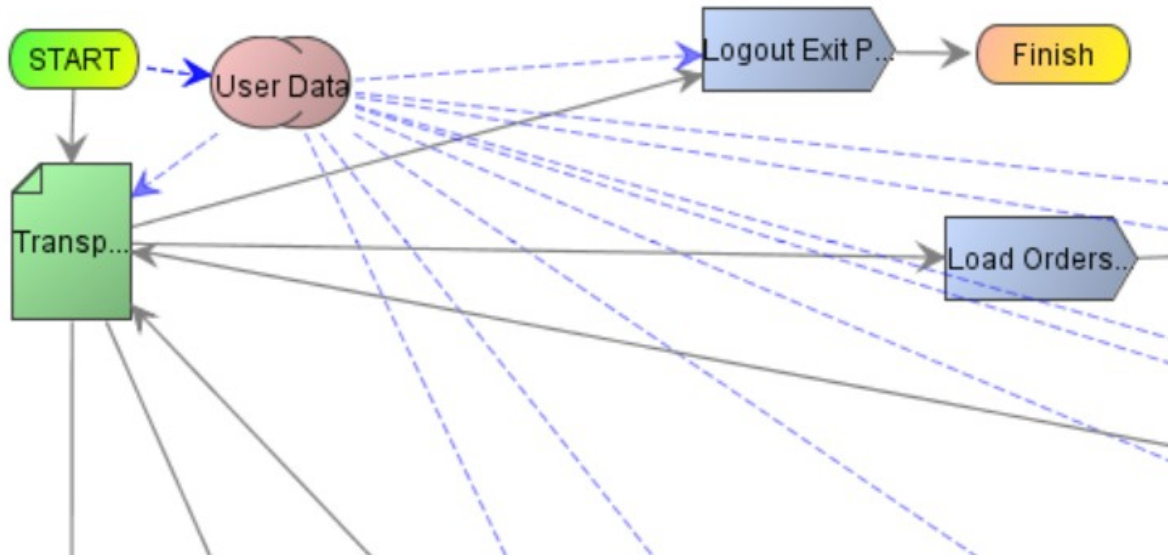
Wire Frame:-

Flow diagram:-

Fig:-flow Diagram

Load Data of Orders: -This is method to Load Order data on Orders to ship Page. In argument is Login id and out argument is Order Data like where we have to Deliver on this order.

Exit path is order to Ship.

After Load Data of Orders flow will comes on Orders to Ship Page.

Orders to Ship Page: - After Orders to ship flow will comes on Single Order Page here we get information about shipments of orders. In argument is message of shipping, orders and login id. Out argument is order id. Exit path are Single Order Page Entry and Orders To Transport Exit Entry.

Wire Frame:-

Orders to Ship Page

Site Name

Total Orders Shipped	5,000
Total Orders Are Cancel For Shipping	320
How Many Orders are left for Shipping	540

Single Order
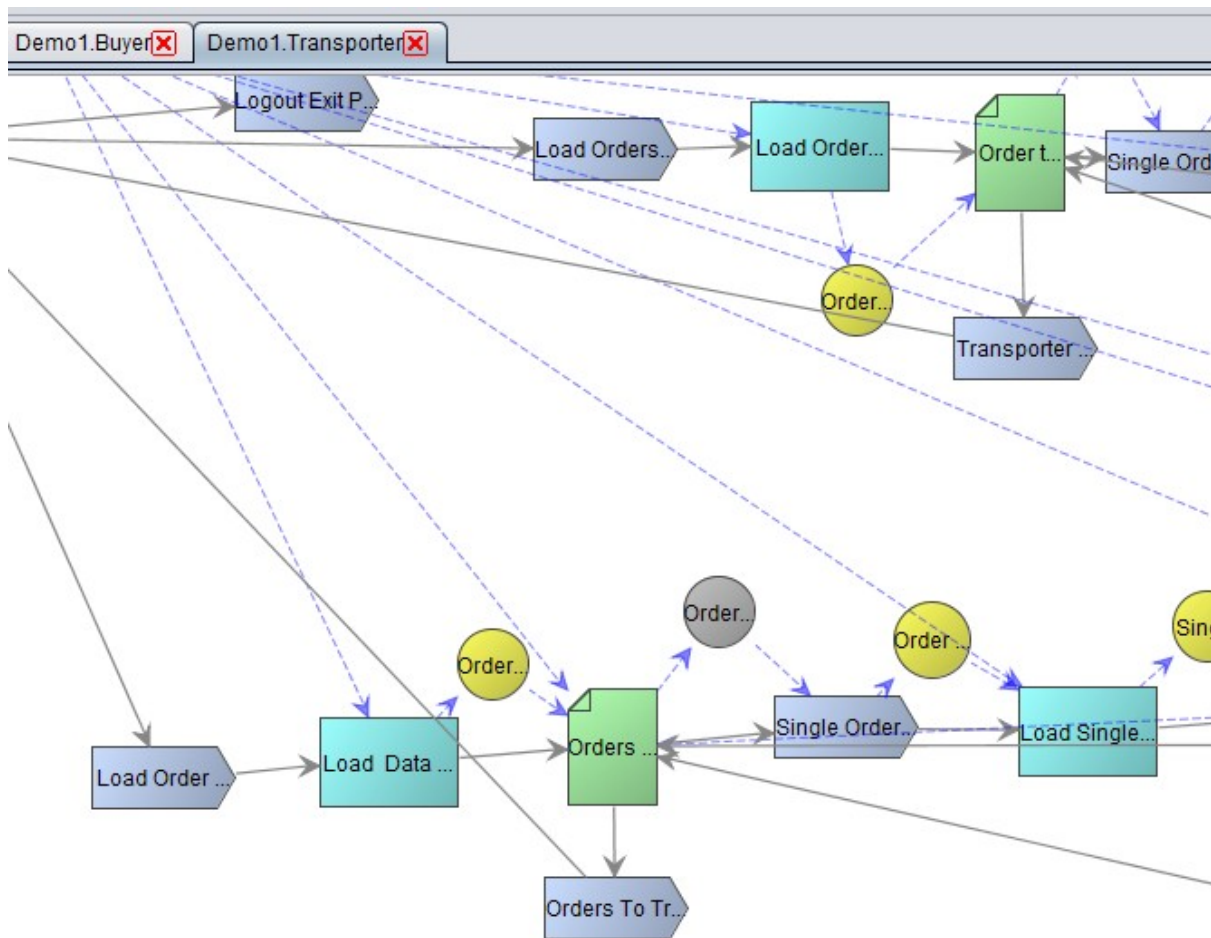
Transporter Exit

Flow Diagram:-

Fig:-flow Diagram

Single Order Page Entry:-on Single Order Page

The data will show of Selected User. In argument is order id and out argument is same.

After Single Order Page Entry Flow will comes on Load Single Order Data.

Load Single Order Data:-Load Single Order is database Method to Load Orders data of Selected Users.in arguments is Order id, Login id and Out argument is Order.

After Load Single Order Data flow will comes on Single Order View Page.

Single Order View Page:-On Single Order View Page we can see the Shipment information about Selected Users.in argument is order data and out argument is order id. Exit Path is Single Order View Page.

After Order View Page flow comes on Load data Of Recipient.

Load data Of Recipient Entry:-to Load data of Recipient in argument is Order id out argument is same.
After Load Data of Recipient flow comes on Load Data Of Recipient Method.

Load Data Of Recipient Method:-To Load Data of recipient on View Shipping Page in argument is order id, login id and out argument is Shipping info. Exit path is View Shipping Information Page.

View Shipping Information Page:-On Shipping Information page We Can See the information about Shipment of our product like where to deliver what to deliver in argument is shipping info and out argument is order id. Exit Path is Send Order For Packaging and Single Order Exit path.
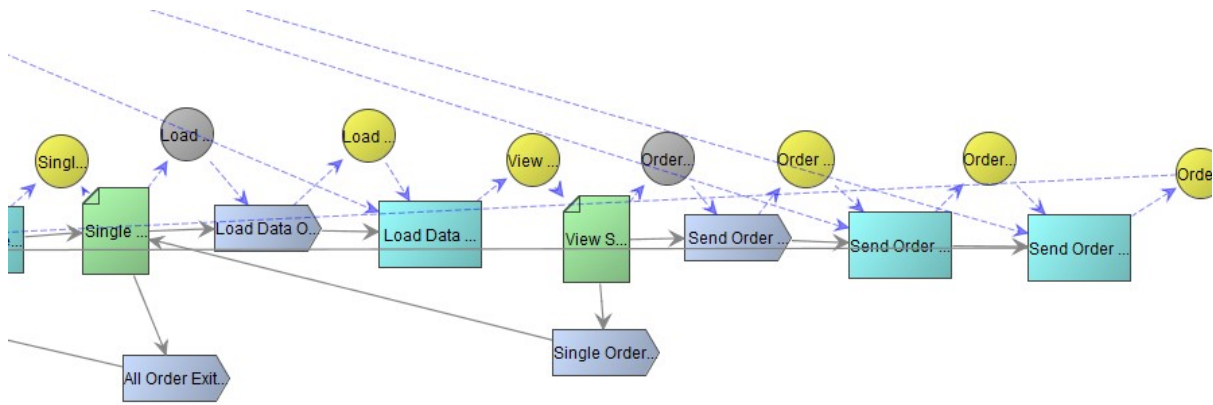

Flow Diagram:-

Fig:-flow Diagram

Send Order For PackagingEntry:-after checking Shipping Information we send product for Shipping for this we have taken Send Order Order for packaging.

Send Order for Packaging method:-In argument is Login id and Order Shipping Method and out Argument is Order id.

After Sending Order for Packaging order is ready to ship. So flow is on Send Order for Shipping.

Send Order For Shipping Method:-in argument is order id, login id and out argument is message to order has been shipped. The Exit is Order to Ship Page.

The Next Exit of view Shipping information page is View Shipping info page. It will exit at View Shipping info page.

Next flow of Transporter Page is Logout Exit point

Change Password Page:-Users can Change their passwords whenever they want. Change password page is common for all the actors .they can change their password whenever they want to change. Out argument is old password, new Password.