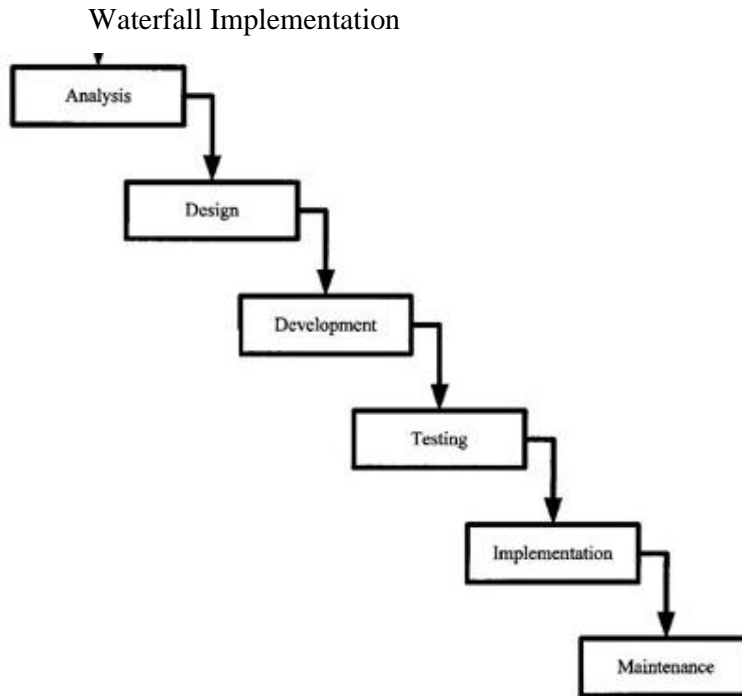


## CHAPTER 3

### RESEARCH METHODOLOGY

#### 3.1 Research Methodology

In order to develop this application developer use waterfall implementation Methodology. Which is the part of SDLC ( Software Development Life Cycle) Methodology



**Figure 3.1 Waterfall Methodology**

Analysis:

In this step gather all the data about how the system works at the moment such as how ordering works, how the support system work, how the payment system work and how the delivery system work. The developer gather all the requirement by interviewing Sri Wahyuni who is the Sales and Marketing Manager of PT QLab Kinarya Sentosa Then developer analyze what kind of website or E-commerce that developer should build in order to improve all the system mentioned above and solve the problems.

### Design:

In this step, the developer are describing what QLab-Mecmesin needed from the website that developer are about to develop. Since, Mecmesin UK does not have a head office in Indonesia, PT.QLab Kinarya Sentosa as the only distributor of Mecmesin products in Indonesia, they require the website has an order history from customer, it is important for them to find out what Mecmesin products is very popular or the best sellers in Indonesia, so they could add the stock or send a news related to the product to Mecmesin or post it on their website.

PT. QLab Kinarya Sentosa also requires tracking order, if there is a case where the customer needed a product and the product are not available at QLab for now. PT.QLab Kinarya Sentosa will contact Mecmesin UK for asking a certain product which the customer/users are inquired. the last one PT.QLab Kinarya Sentosa require us to make a financial summary page for the customer/users that already agree for the price and terms, only a certain users like finance department can see the full financial summary. Developer also designed a mockup to show our client what our depiction of the project is, to reduce misconception. The mockup will be created after developer gathered the initial requirements needed for our client. Developer also design the system using unified modeling language (UML), in this study, developer use Class Diagram, Sequence Diagram, Activity Diagram, and Use Case Diagram.

### Development:

In order to develop the website that fulfills the requirements that PT.QLab Kinarya Sentosa require, developer use PHP, HTML, CSS, Javascript, JQuery, and Bootsrap, developer use Laravel as our framework to simplified our development.

PT.QLab Kinarya Sentosa wanted us to build such as Order History, Tracking Order and Payment developer will start to write the code for the specific part that PT.QLab Kinarya Sentosa wanted us to build. For coding, the developer use PHP programming language with Laravel framework, the simplicity of the syntax, the current popular framework and other advantages about Laravel wrote above in the literature review is the reason why developer chose Laravel as our framework to develop this application. For database, developer use MySQL because developer already familiar with the language and it's automatically integrated with laravel, for

interface developer use HTML and custom CSS along with Bootstrap framework, and another framework such as JavaScript and jQuery to maximize our user interface

#### Testing:

This is the part when the website or e-application already reach the prototype, and ready to show it to our client that is PT.QLab Kinarya Sentosa. There may be some defects or bugs in this phase because it is only a prototype and the website is not ready to launch for the public. Also, the developer will try to solve the problem as fast and efficient as the developer could. For testing, developer used Black box Testing and it will be executed by one of QLab employee.

#### Implementation:

The web application that developer are currently building is only for development, the developer build based on company needs and requirements. Therefore, after this application is finished developer will share all of the assets to the company. Developer won't be in charge of further development after this application is finished.

#### Maintenance:

In this part the website or the e-application is already launched for the public, during this phase, the modifications that may occur due to changes in requirements are implemented.

## **3.2 Company Analysis**

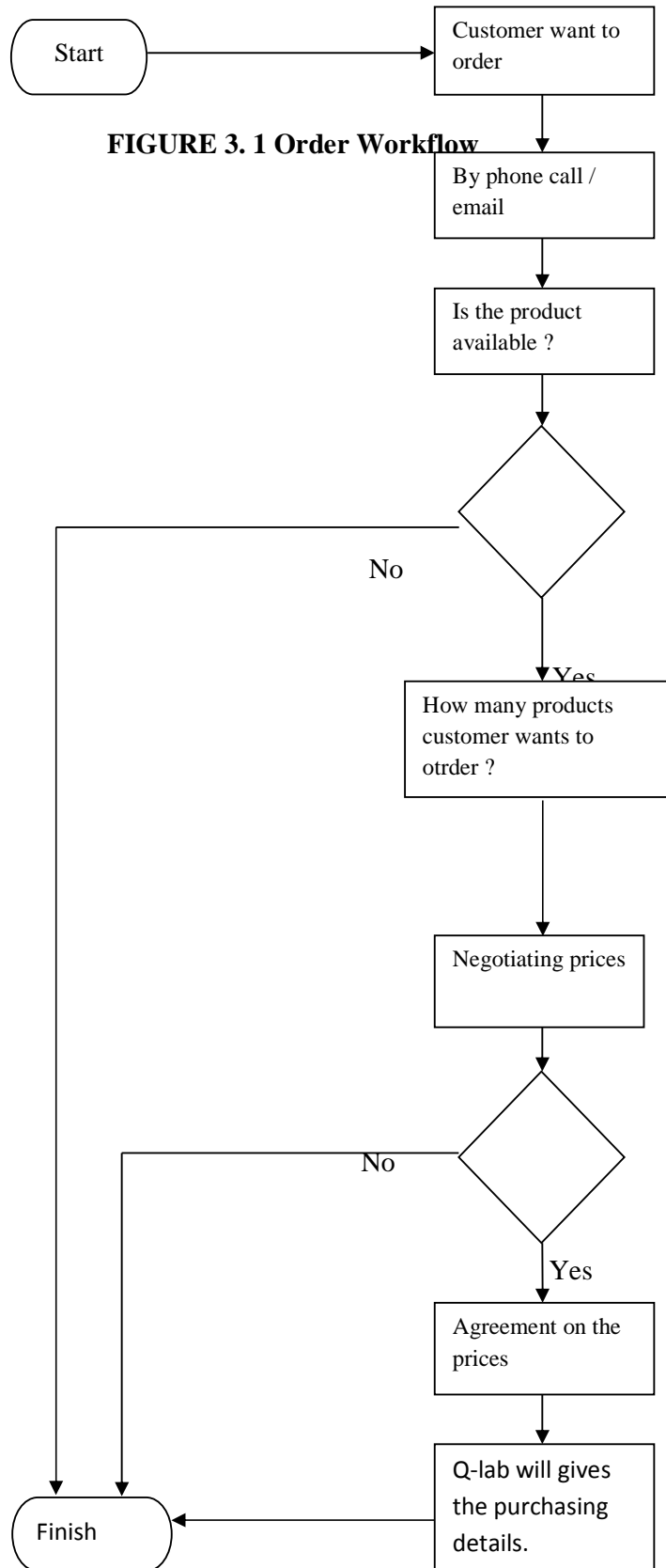
### **3.2.1 Current System Analysis**

PT. Qlab Kinarya Sentosa is the manufacturer of various laboratory equipment such as; Stability Chamber, Stability Room, Precision Refrigerator, etc. PT. QLab is also a distributor of Mecmesin – Force & Torque Testing Solution and supplier of Rotronic - Humidity and Temperature Measurement Instruments. Mecmesin is the specialist in Force, Torque and Materials Testing Equipment from the UK. A leading designer and manufacturer of force and torque test equipment for 40 years.

PT. Qlab Kinarya Sentosa has become the Mecmesin Distributor for Indonesian market since July 2010.

Many companies in Indonesia have not familiar with force and torque tester. Some have used them but many have no idea the name/brand of the tester and how to use it. Some have used but do not know where to buy. When they search the product, they will be directed by the search engine to the top product which is Mecmesin. Those company usually ask the information and send enquires through Mecmesin UK website. Mecmesin UK then forward the enquires to QLab to be replied. For those who have known about Mecmesin and have bought the goods will be a repeater and will directly in touch with QLab. QLab gives price quotation and follows up till them order the product. Hereafter both QLab and its customers who are in the purchasing division will do the negotiation until they agree on certain prices that will benefit both sides. Customers who purchase the in-stock product will get the delivery right away. For the ex-stock product, customers wait for the shipment from the UK about 30 days. Hereafter the purchasing division from customer's side will forward the agreed price which has been negotiated before, to the payment division. After that QLab representative will come to the customer companies to deliver the products and exchange fracture. Payment will be made max 30 days after receiving the product. Below is the flowchart of how the system works, when customer order one or more products.

## Customer Order Workflow



### **3.2.2 Problem and Requirement Analysis**

Because each country has its own unique needs of the force and torque tester and test application that suitable for the typical product or samples manufactured in each country distributor. Furthermore, local customer or another potential customer in each distributor country can directly communicate their enquiries to their local distributor conveniently in their language. Also QLab will have the benefit to review the customer needs in more details because the enquiries, support, and demo that are in customer section are explained in details. This part also very useful for new customer or conservative customer who wants to see what kind of specification or products that are available in local market, because all the available specification are stated on the website so all they have to do just choose which requirements or specification that they needs. In order to achieve that requirements, developer conducted an interview with Sri Wahyuni sales and marketing manager of PT QLab Kinarya Sentosa on September 22, 2017, to gather all the requirement needed.

These are the main problems that developer conclude from the interview:

1. Managing orders, such as; order history, tracking order, order enquiry.
2. New customer, since they do not know a lot about Mecmesin's product.
3. Products description.
4. News regarding Mecmesin.
5. Customer Support exclusively for Mecmesin Products.

### **3.2.3 Problem Solving**

Mecmesin needs a website to promote and to update the latest development and knowledge regarding Mecmesin product and test solutions for current local customers and Mecmesin potential market in each distributor country, and of course to simplified customer who wants to buy the product and they already know the specification and also for the new customers who don't really know about Mecmesin products in details.

The reason QLab agreed to develop a separate website is that. As a series manufacturer that having 15 years of experience in humidity and temperature testing instrument business, QLab's product has significantly

developed and increased, therefore developer need a website which focuses on promoting QLab genuine product specifically apart from other's product information which is represented by QLab, like Mecmesin & Rotronic

As Mecmesin product also keep improves progressively hence it's website is better to be made independently, separated from the current one which later will be specifically allocated for QLab Product. The new website would be useful for the customer who only wants to buy or see what kind of Mecmesin products that are available in local market, and gain more knowledge on how each Mecmesin devices operated and should operate, and how to solve if there is a problem in their devices, or if they want to calibrate or recalibrate the products that they already bought, With the existence of the new website developer are about to develop, it will be easier to solve all the problems above simply just visiting this website and follow for the instruction. If it's still confusing you can contact QLab through the website by filling the support form. QLab then will help you to solve the problem as fast and as clear as possible.

The table below describes on how our web application should work, in order to fulfill all the requirements.

Table 3.1 Problem Solving Table

As a/an	I want to	So that
Admin	Create new product	Can be used if there's new product on the market
Admin	Create new tracking order	User can view where their order location is, if its ship from the UK
Admin	Create payment information	We can view their payment details
Admin	Manage Demo	We can be used to view, reply, delete demo requested by the user
Admin	Manage Support	We can be used to view, reply, delete demo requested by the

		user
Admin	Manage Enquiry	We can be used to view, reply, delete demo requested by the user
Admin	Manage User	We can be used to delete a fraud user, or update user data e.g.(company address, phone)
Admin	Manage Product	We can be used to view, update, delete the current product
Admin	Manage Tracking order	We can be used to delete or update the tracking system
Admin	Manage Payment	We can be used to view, update, delete the currently available payment
Admin	View Order History	We can view the list of all company's order.
User	Register	QLab can guarantee the user data that will be used for e.g. ( contact, ordering)
User	Login	User can submit the enquiry, support, demo, view payment and view tracking order.
User	Submit support	User can submit support for their enquiry
User	Submit Enquiry	User can submit their enquiry about a product for further information
User	Submit Demo	User can submit demo according to what products they buying
User	View Payment	User can review or see their full payment.
User	View Tracking order	User can track their order after they done the payment and admin will give the tracking id.



### 3.3 System Design

#### 3.3.1 Use Case

The picture below is the use case diagram of the application.



**Figure 3.3 Use Case Design**

### 3.3.1.1 Use Case Narrative

The Use Case Narrative is that will be described is based on Whitten & Bentley theory of Analysis and Design 2007 edition 7th.

- Register Use Case Narratives

Table 3.2 Register Use Case Narrative

Use Case Name	Registration	
Use Case ID	UC-01	
Priority	High	
Source	Requirement	
Primary Business Actor	<ul style="list-style-type: none"> <li>• User</li> <li>• Admin</li> </ul>	
Primary System Actor	User	
Other Participating Actor	-	
Other Interested Stakeholders	-	
Description	This use case describes the event for user Registration.	
Preconditions	The website has been opened from the browser of the user.	
Trigger	User clicks the “Sign Up” menu in the header of the website.	
Typical course of events	User Action	System Action
	<p><b>Step 1:</b> User clicks “Sign Up” button.</p> <p><b>Step 3:</b> Fill all the requirements form</p> <p><b>Step 4:</b> User clicks “ Signup” button</p>	<p><b>Step 2:</b> System will show the form page.</p> <p><b>Step 5:</b> System will check the data.</p>

Alternate course	<b>Alt-Step 5:</b> if data is not valid, the user must check the data according to the error message that system is given and fill up the data with correct information.
Conclusion	This use case concludes the user need to sign up in order to log in to the home page.
Post Conditions	The system brings the user to their homepage on the website.
Business Rules	All data must be valid
Implementation Constraints and Specifications	Data to fill will be provided by the system
Assumptions	Only admin can register
Open Issues	User cannot sign up if the data is given in registration form is not valid

- Login Use case narratives

Table 3.3 Login Use Case Narrative

Use Case Name	Login
Use Case ID	UC-02
Priority	High
Source	Requirement
Primary Business Actor	<ul style="list-style-type: none"> <li>• User</li> <li>• Admin</li> </ul>
Primary system Actor	User Admin
Other Participating Actor	
Other Interested Stakeholders	

Description	This use case describes the login procedure for user and admin	
Preconditions	The website has been opened from the browser of the user. And the user already signs up.	
Trigger	User clicks the “Login” button.	
Typical course of events	User Action	System Action
	<p><b>Step 1:</b> User needs to fill the username and password before click the login button</p> <p><b>Step 2:</b> user clicks the Login Button.</p>	<p><b>Step 3:</b> System will validate the data of the user whose try to log in.</p> <p><b>Step 4:</b> If the data is valid, the user will take into the homepage of the web.</p>
Alternate course	<b>Alt-Step 4:</b> if data is not valid, user must check the data according to the error message that system is given and fill up the data with correct information.	
Conclusion	This use case concludes when the user already logged to the system.	
Post Conditions	The system brings the user to the home page on the website.	
Business Rules	Username and Password have to be valid in for user to log in to the homepage and accessing the web.	
Implementation Constraints and Specifications	Data will be provided by the system	
Assumptions	-	
Open Issues	The User cannot log in if the data of the user is not valid.	

- View Product use case narratives

Table 3.4 View Product Use Case Narrative

Use Case Name	View Product	
Use Case ID	UC-03	
Priority	Medium	
Source	Requirement	
Primary Business Actor	User	
Primary System Actor	User	
Other Participating Actor		
Other Interested Stakeholders		
Description	This use case event describes the user viewing the product	
Preconditions	The website has been opened from the browser of the user.	
Trigger	User clicks the “Product” button.	
Typical course of events	User Action	System Action
	<b>Step 1:</b> User clicks the Product button	<b>Step 2:</b> System will show the entire available product to the user.
Alternate course		
Conclusion	This use case concludes when user is accessing the product page.	
Post Conditions	The system shows the entire product to the user.	
Business Rules	The user can see the entire available product on the product page.	
Implementation Constraints and Specifications	Data will be provided by system	
Assumptions	-	
Open Issues	The User can access product without log in.	

- View Payment use case narratives

Table 3.5 View Payment Use Case Narrative

Use Case Name	View Payment	
Use Case ID	UC-04	
Priority	High	
Source	Requirement	
Primary Business Actor	User	
Primary System Actor	User Admin	
Other Participating Actor		
Other Interested Stakeholders		
Description	This use case event describes the event of payment which user already booked an order.	
Preconditions	The website has been opened from the browser of the user. and user finance already logged in.	
Trigger	User finance clicks the “Payment Button”	
Typical course of events	User Action	System Action
	<p><b>Step 1:</b> User needs to log in first with user finance email for user different privilege.</p> <p><b>Step 3:</b> user clicks the Payment button.</p> <p><b>Step 4:</b> user input payment number.</p>	<p><b>Step 2:</b> System will validate the data of the user whose try to log in.</p> <p><b>Step 5:</b> System will validate the payment number.</p> <p><b>Step 6:</b> System will display payment details</p>
Alternate course	<b>Alt-step 6:</b> user input the wrong payment number	

Conclusion	This use case concludes when user finance already logged into the system and views the payment page.
Post Conditions	The system brings the user finance to the payment page.
Business Rules	User finance is the only user who can access the payment page.
Implementation Constraints and Specifications	Data will be provided by system
Assumptions	-
Open Issues	User finance cannot log in and view the payment page if the data of the user is not valid.

- Tracking Order use case narratives

Table 3.6 Tracking Order Use Case Narrative

Use Case Name	Tracking Order	
Use Case ID	UC-05	
Priority	High	
Source	Requirement	
Primary Business Actor	User	
Primary System actor	User	
Other Participating Actor		
Other Interested Stakeholders		
Description	This use case event describes the tracking order system if the user already got tracking id	
Preconditions	The website has been opened from the browser of the user. and the user finance already logged in.	
Trigger	User finance clicks the “Tracking” button	
Typical course of events	User Action	System Action
	<b>Step 1:</b> User needs to log in first with user finance email for user	<b>Step 2:</b> System will validate the data of the user whose try

	<p>different privilege.</p> <p><b>Step 3:</b> User clicks the tracking order button</p> <p><b>Step 5:</b> User finance needs to fill the order id form for tracking order.</p>	<p>to log in.</p> <p><b>Step 4:</b> System will ask the order id when the user already bought the product.</p> <p><b>Step 6:</b> System will validate the order id that user fill in the form</p> <p><b>Step 7:</b> System will show the tracking page to the user.</p>
Alternate course	<b>Step 6:</b> if the order id is not valid, the user need to check their order whether it's already been processed or not	
Conclusion	This use case concludes when user finance already logged into the system and views the tracking page.	
Post Conditions	The system brings the user finance to the tracking page.	
Business Rules	User finance is the only user who can access the tracking page.	
Implementation Constraints and Specifications	Data will be provided by admin	
Assumptions	-	
Open Issues	User finance cannot log in and view the payment page if the data of the user is not valid.	



- Submit Enquiry use case narratives

Table 3.7 Submit Enquiry Use Case Narrative

Use Case Name	Submit Enquiry	
Use Case ID	UC-06	
Priority	High	
Source	Requirement	
Primary Business Actor	User	
Primary System Actor	User Admin	
Other Participating Actor		
Other Interested Stakeholders		
Description	This use case event describes the enquiry product by the user.	
Preconditions	The website has been opened from the browser of the user and user already logged in.	
Trigger	User clicks the “Submit Enquiry” button.	
Typical course of events	User Action	System Action
	<b>Step 1:</b> User clicks “Submit Enquiry” button. <b>Step 3:</b> User needs to fill in all the requirements form. <b>Step 4:</b> User clicks “Submit” button	<b>Step 2:</b> System will show the submit enquiry page. <b>Step 5:</b> System will check the requirements form. <b>Step 6:</b> System will message the user to inform about their enquiry
Alternate course	<b>Alt-Step 5:</b> if the form that the user fills is not valid, the user needs to refill the form with valid information before it submitted.	
Conclusion	This use case concludes the user need to log in for accessing the submitted enquiry.	
Post Conditions	The system will message the user about their enquiry.	
Business Rules	The User need to fill the submit enquiry form with valid information.	
Implementation Constraints and Specifications	Data will be provided by admin	
Assumptions	-	

Open Issues	The User cannot submit their enquiry if they do not log in first.
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- Submit Demo use case narratives

Table 3.8 Submit Demo Use Case Narrative

Use Case Name	Submit Demo	
Use Case ID	UC-07	
Priority	High	
Source	Requirement	
Primary Business Actor	User	
Primary System Actor	User Admin	
Other Participating Actor		
Other Interested Stakeholders		
Description	This use case event describes the demo submitted by the user when they wanted a demo from the company.	
Preconditions	The website has been opened from the browser of the user and user already logged in.	
Trigger	User clicks the “Submit Demo” button.	
Typical course of events	User Action	System Action
	<b>Step 1:</b> User clicks “Submit Demo” button. <b>Step 3:</b> User needs to fill in all the requirements form. <b>Step 4:</b> User clicks “Submit” button	<b>Step 2:</b> System will show the submit demo page. <b>Step 5:</b> System will check the requirements form. <b>Step 6:</b> System will message the user to inform about their demo enquiry
Alternate course	<b>Alt-Step 5:</b> if the form that the user fills is not valid, the user needs to refill the form with valid information before it submitted.	
Conclusion	This use case concludes the user need to log in for accessing the submit demo page.	
Post Conditions	The system will message the user about their enquiry.	
Business Rules	The user needs to fill the submit demo form with valid	

	information.
Implementation Constraints and Specifications	Data will be provided by admin
Assumptions	-
Open Issues	The User cannot submit their demo enquiry if they do not log n first.

- Submit Support use case narratives

Table 3.9 Submit Support Use Case Narrative

Use Case Name	Submit Support	
Use Case ID	UC-08	
Priority	High	
Source	Requirement	
Primary Business Actor	User	
Primary System Actor	User Admin	
Other Participating Actor		
Other Interested Stakeholders		
Description	This use case narrative event describes the support submitted by the user.	
Preconditions	The website has been opened from the browser of the user and user already logged in.	
Trigger	User clicks the “Submit Support” button.	
Typical course of events	User Action	System Action
	<b>Step 1:</b> User clicks “Support” button. <b>Step 3:</b> User clicks the submit support button <b>Step 5:</b> User needs to fill the form with valid information <b>Step 6:</b> User clicks the submit button	<b>Step 2:</b> System will show the support page. <b>Step 4:</b> System will show the submit support form <b>Step 7:</b> System will message the user to inform about their enquiry

Alternate course	<b>Alt-Step 6:</b> if the form that the user fills is not valid, user needs to refill the form with valid information before it submitted.
Conclusion	This use case concludes the user need to login for accessing the submit support.
Post Conditions	The system will message the user about their support enquiry.
Business Rules	The user need to fill the submit support enquiry form with valid information.
Implementation Constraints and Specifications	Data will be provided by admin
Assumptions	-
Open Issues	User cannot submit their support enquiry if they do not log in first.

- Contact Us use case narratives

Table 3.10 Contact Us Use Case Narrative

Use Case Name	Contact Us	
Use Case ID	UC-09	
Priority	Low	
Source	Additional	
Primary Business Actor	User	
Primary System Actor	User Admin	
Other Participating Actor		
Other Interested Stakeholders		
Description	This use case narrative event describing the Contact Us submitted by the user.	
Preconditions	The website has been opened from the browser of the user	
Trigger	User clicks the “Send Messages” button.	
Typical course of events	User Action	System Action
	<b>Step 1:</b> User clicks “Contact Us”	<b>Step 2:</b> System will show

	<p>button.</p> <p><b>Step 3:</b> User needs to fill the form with valid information</p> <p><b>Step 4:</b> user clicks the Send Messages button</p>	<p>the Contact Us page.</p> <p><b>Step 7:</b> System save user messages.</p>
Alternate course	<b>Alt-Step 6:</b> if the form that the user fills is not valid, user needs to refill the form with valid information before it submitted.	
Conclusion	This use case concludes the user need to fill all the required form then they can send the message.	
Post Conditions	The system will display success window.	
Business Rules	User needs to fill the submit support enquiry form with valid information.	
Implementation Constraints and Specifications	Data will be provided by admin	
Assumptions	-	
Open Issues	Open the Contact Us page.	

- Manage registered user use case narratives

Table 3.11 Manage Register Users Use Case Narrative

Use Case Name	Manage Registered Users	
Use Case ID	UC-09	
Priority	High	
Source	Requirement	
Primary Business Actor	Admin	
Primary System Actor	Admin	
Other Participating Actor		
Other Interested Stakeholders		
Description	This use case event describing the system managing the registered event.	
Preconditions	Have registered user	
Trigger	Admin clicks the “Manage User Button”	
Typical course of events	Admin Action	System Action
	<b>Step 1:</b> Admin needs to log in first with email <b>Step 3:</b> Admin clicsk the Manage user button.	<b>Step 2:</b> System will validate the data of the admin whose try to log in. <b>Step 4:</b> System will show registered user
Alternate course	Alt-Step 2: Admin Credentials not found so admin needs to re-enter their login information	
Conclusion	This use case concludes when admin already logged to the system and view the manage user page	
Post Conditions	The system brings the admin to the manage user page, to update or delete user.	
Business Rules	Admin is the only one who can access the manage user page.	
Implementation Constraints and Specifications		
Assumptions	-	
Open Issues	Admin cannot log in if they credentials does not match	

- Manage product use case narratives

Table 3.12 Manage Product Use Case Narrative

Use Case Name	Manage product	
Use Case ID	UC-10	
Priority	Medium	
Source	Requirement	
Primary Business Actor	Admin	
Primary System Actor	Admin	
Other Participating Actor		
Other Interested Stakeholders		
Description	This use case event describes how the admin managing the product	
Preconditions	Want to update, view or delete product	
Trigger	Admin clicks the “Manage User Button”	
Typical course of events	Admin Action	System Action
	<b>Step 1:</b> Admin needs to log in first with email <b>Step 3:</b> Admin clicks the Manage product button.	<b>Step 2:</b> System will validate the data of the admin whose try to login. <b>Step 4:</b> System will show all product
Alternate course	Alt-Step 2: Admin Credentials not found so admin need to re-enter their login information	
Conclusion	This use case concludes when admin already logged to the system and view the manage product page	
Post Conditions	The system brings the admin to the manage product page, to update or delete user.	
Business Rules	Admin is the only one who can access the manage product page.	
Implementation Constraints and Specifications		
Assumptions	-	
Open Issues	Admin cannot log in if they credentials does not match	

- Manage payment use case narratives

Table 3.13 Manage Payment Use Case Narrative

Use Case Name	Manage Payment	
Use Case ID	UC-11	
Priority	High	
Source	Requirement	
Primary Business Actor	Admin	
Primary System Actor	Admin	
Other Participating Actor		
Other Interested Stakeholders		
Description	This use case event describes the admin managing payment by the user.	
Preconditions	Want to create update, view or delete payment	
Trigger	Admin clicks the “Manage Payment Button”	
Typical course of events	Admin Action	System Action
	<b>Step 1:</b> Admin needs to log in first with email <b>Step 3:</b> Admin clicks the Manage product button.	<b>Step 2:</b> System will validate the data of the admin whose try to log in. <b>Step 4:</b> System will show all product
Alternate course	Alt-Step 2: Admin Credentials not found so admin need to re-enter their login information	
Conclusion	This use case concludes when admin already logged to the system and view the manage payment page	
Post Conditions	The system brings the admin to the manage payment page, to update or delete user.	
Business Rules	Admin is the only one who can access the manage payment page.	
Implementation Constraints and Specifications		
Assumptions	-	
Open Issues	Admin cannot log in if they credentials does not match	



- Manage Contact Us use case narratives

Table 3.14 Manage Contact Us Use Case Narrative

Use Case Name	Manage Contact Us	
Use Case ID	UC-12	
Priority	Low	
Source	Additional	
Primary Business Actor	Admin	
Primary System Actor	Admin	
Other Participating Actor		
Other Interested Stakeholders		
Description	This use case event describes admin Contact Us message sent by the user	
Preconditions	Want to view or delete Message	
Trigger	Admin clicks the “Inbox Button”	
Typical course of events	Admin Action	System Action
	<b>Step 1:</b> Admin needs to log in first with email <b>Step 3:</b> Admin clicks the Inbox button.	<b>Step 2:</b> System will validate the data of the admin whose try to log in. <b>Step 4:</b> System will show all Message
Alternate course	Alt-Step 2: Admin Credentials not found so admin need to re-enter their login information	
Conclusion	This use case concludes when admin already logged to the system and view the manage contact page	
Post Conditions	The system brings the admin into the manage contact page, to view or delete messages	
Business Rules	Admin is the only one who can access the manage contact page.	
Implementation Constraints and Specifications		
Assumptions	-	
Open Issues	Admin cannot log in if they credentials does not match	

- Manage Enquiry user use case narratives

Table 3.15 Manage Enquiry Use Case Narrative

Use Case Name	Manage Enquiry	
Use Case ID	UC-13	
Priority	High	
Source	Requirement	
Primary Business Actor	Admin	
Primary System Actor	Admin	
Other Participating Actor		
Other Stakeholders	Interested	
Description	This use case event describes admin managing enquiry by the user	
Preconditions	Want to create update, view or delete Tracking Order	
Trigger	Admin clicks the “Manage Tracking Button”	
Typical course of events	Admin Action	System Action
	<b>Step 1:</b> Admin needs to log in first with email <b>Step 3:</b> Admin clicks the Manage Tracking button.	<b>Step 2:</b> System will validate the data of the admin whose try to log in. <b>Step 4:</b> System will show all Tracking Order
Alternate course	Alt-Step 2: Admin Credentials not found so admin need to re-enter their login information.	
Conclusion	This use case concludes when admin already logged to the system and view the manage payment page.	
Post Conditions	The system brings the admin to manage tracking page, to create, update or delete tracking order.	
Business Rules	Admin is the only one who can access the manage tracking page.	
Implementation Constraints and Specifications		
Assumptions	-	
Open Issues	Admin cannot log in if they credentials does not match	

- Manage Demo use case narratives

Table 3.16 Manage Demo Use Case Narrative

Use Case Name	Manage Demo	
Use Case ID	UC-14	
Priority	High	
Source	Requirement	
Primary Business Actor	Admin	
Primary System Actor	Admin	
Other Participating Actor		
Other Interested Stakeholders		
Description	This use case event describes admin managing support demo by the user whom already asked.	
Preconditions	Want to view or delete Demo	
Trigger	Admin clicks the “Manage demo Button”	
Typical course of events	Admin Action	System Action
	<b>Step 1:</b> Admin needs to log in first with email <b>Step 3:</b> Admin clicks the Manage demo button.	<b>Step 2:</b> System will validate the data of the admin whose try to log in. <b>Step 4:</b> System will show all demo
Alternate course	Alt-Step 2: Admin Credentials not found so admin need to re-enter their login information.	
Conclusion	This use case concludes when admin already logged to the system and view the manage demo page	
Post Conditions	The system brings the admin to the manage enquiry page, to view or delete demo	
Business Rules	Admin is the only one who can access the manage demo page.	
Implementation Constraints and Specifications		
Assumptions	-	
Open Issues	Admin cannot log in if they credentials does not match	

- Manage Support user use case narratives

Table 3.17 Manage Support Use Case Narrative

Use Case Name	Manage Support	
Use Case ID	UC-15	
Priority	High	
Source	Requirement	
Primary Business Actor	Admin	
Primary System Actor	Admin	
Other Participating Actor		
Other Interested Stakeholders		
Description	This use case event describes admin managing supports from the user whom already send need a support.	
Preconditions	Want to view or delete Support	
Trigger	Admin clicks the “Manage Support Button”	
Typical course of events	Admin Action	System Action
	<b>Step 1:</b> Admin needs to log in first with email <b>Step 3:</b> Admin clicks the Manage support button.	<b>Step 2:</b> System will validate the data of the admin whose try to log in. <b>Step 4:</b> System will show all requested support
Alternate course	Alt-Step 2: Admin Credentials not found so admin need to re-enter their login information.	
Conclusion	This use case concludes when admin already logged to the system and view the manage support page.	
Post Conditions	The system brings the admin to the manage enquiry page, to view or delete support.	
Business Rules	Admin is the only one who can access the manage support page.	
Implementation Constraints and Specifications		
Assumptions	-	

Open Issues	Admin cannot log in if they credentials does not match
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- View dashboard use case narrative

Table 3.18 View Dashboard Use Case Narrative

Use Case Name	View dashboard	
Use Case ID	UC-17	
Priority	Low	
Source	Additional	
Primary Business Actor	Admin	
Primary System Actor	Admin	
Other Participating Actor		
Other Interested Stakeholders		
Description	This use case event describes admin can view the latest demo, enquiry and, support sent by the user, and has not been replied	
Preconditions	Want to view dashboard	
Trigger	Admin clicks the “Dashboard Button”	
Typical course of events	Admin Action	System Action
	<b>Step 1:</b> Admin needs to log in first with email <b>Step 3:</b> Admin clicks Dashboard button.	<b>Step 2:</b> System will validate the data of the admin whose try to log in. <b>Step 4:</b> System will show all requested demo, enquiry, support
Alternate course	Alt-Step 2: Admin Credentials not found so admin need to re-enter their login information Alt-Step 4: The requested demo, enquiry, support by the user has all been replied	
Conclusion	This use case concludes when admin already logged to the system and view the dashboard page	
Post Conditions	The system brings the admin to the Dashboard page to view data	
Business Rules	Admin is the only one who can access the Admin Dashboard page.	
Implementation Constraints and Specifications		

Assumptions	-
Open Issues	Admin cannot log in if they credentials does not match

- Order history Use case narrative

Table 3.19 View Order History Use Case Narrative

Use Case Name	View Order History	
Use Case ID	UC-18	
Priority	High	
Source	Requirement	
Primary Business Actor	Admin	
Primary System Actor	Admin	
Other Participating Actor		
Other Interested Stakeholders		
Description	This use case event describes admin can view the latest Order history, and sort them by company name.	
Preconditions	Admin want to view Order history.	
Trigger	Admin clicks the “Order History Button”	
Typical course of events	Admin Action	System Action
	<b>Step 1:</b> Admin needs to logi n first with email <b>Step 3:</b> Admin clicks Order History button.	<b>Step 2:</b> System will validate the data of the admin whose try to log in. <b>Step 4:</b> System will show all Order history.
Alternate course	Alt-Step 2: Admin Credentials not found so admin need to re-enter their login information.	
Conclusion	This use case concludes when admin already logged to the system and view the Order History page.	
Post Conditions	The system brings the admin to the Order History page to view data.	
Business Rules	Admin is the only one who can access the Order History page.	
Implementation Constraints		

and Specifications	
Assumptions	-
Open Issues	Admin cannot log in if their credentials does not match

- Manage tracking order Use case narrative

Table 3.20 Manage Tracking Order Use Case Narrative

Use Case Name	Manage Tracking Order	
Use Case ID	UC-19	
Priority	High	
Source	Requirement	
Primary Business Actor	Admin	
Primary System Actor	Admin	
Other Participating Actor		
Other Interested Stakeholders		
Description	This use case event describes admin can create, update, and delete a tracking number or id when the number is already given to customer/user.	
Preconditions	Admin wants to manage tracking for the user.	
Trigger	Admin clicks the “Manage Tracking Order”	
Typical course of events	Admin Action	System Action
	<b>Step 1:</b> Admin needs to log in first with email <b>Step 3:</b> Admin clicks Manage Tracking Order Button. <b>Step 5:</b> Admin manages the Tracking Order	<b>Step 2:</b> System will validate the data of the admin whose try to log in. <b>Step 4:</b> System will show all Tracking of the tracking order.
Alternate course	Alt-Step 2: Admin Credentials not found so admin needs to re-enter their login information.	
Conclusion	This use case concludes when admin already logged to the system and manage the tracking order page.	
Post Conditions	The system brings the admin to the Manage tracking order to view	

	data
Business Rules	Admin is the only one who can access the Admin page/ Manage tracking order page.
Implementation Constraints and Specifications	
Assumptions	-
Open Issues	Admin cannot login if their credentials does not match

- View News use case narrative

Table 3.21 View News Use Case Narrative

Use Case Name	View News	
Use Case ID	UC-20	
Priority	Low	
Source	Requirement	
Primary Business Actor	User	
Primary System Actor	User	
Other Participating Actor		
Other Interested Stakeholders		
Description	This use case event describes User can view the news on the homepage without log in.	
Preconditions	User wants to view News story.	
Trigger	User clicks or slide the “News”	
Typical course of events	User Action	System Action
	<b>Step 2:</b> User can view the selected news by clicking it or scroll the news to find what news they are looking for.	<b>Step 1:</b> System will show all the news from the website on the homepage.
Alternate course		
Conclusion	This use case concludes when the user already opened the website	



	page.
Post Conditions	The system brings the user to the homepage to see the news or event.
Business Rules	User and Admin can access the homepage.
Implementation Constraints and Specifications	
Assumptions	-
Open Issues	

- Manage news

Table 3.22 Manage News Use Case Narrative

Use Case Name	Manage News	
Use Case ID	UC-21	
Priority	High	
Source	Requirement	
Primary Business Actor	Admin	
Primary System Actor	Admin	
Other Participating Actor		
Other Interested Stakeholders		
Description	This use case event describes admin can manage the news for the user/customer.	
Preconditions	Admin wanted to manage the news on the admin page.	
Trigger	Admin clicks the “Manage News” button.	
Typical course of events	Admin Action	System Action
	<b>Step 1:</b> Admin needs to log in first with email <b>Step 3:</b> Admin clicks the manage news button. <b>Step 5:</b> Admin can manage the selected news.	<b>Step 2:</b> System will validate the data of the admin whose try to log in. <b>Step 4:</b> System will show all of the news.

Alternate course	Alt-Step 2: Admin Credentials not found so admin need to re-enter their login information.
Conclusion	This use case concludes when admin already logged to the system and view the manage news page.
Post Conditions	The system brings the admin to the manage news page to manage the selected news for publish it to user/customer.
Business Rules	Admin is the only one who can access the manage news page.
Implementation Constraints and Specifications	
Assumptions	-
Open Issues	Admin cannot log in if their credentials does not match

- Edit Profile

Table 3.23 Edit Profile Use Case Narrative

Use Case Name	Edit Profile	
Use Case ID	UC-22	
Priority	Medium	
Source	Requirement	
Primary Business Actor	Admin. User.	
Primary System Actor	Admin User	
Other Participating Actor		
Other Interested Stakeholders		
Description	This use case event describes admin and user can edit their profile based on their preferences.	
Preconditions	Admin and user want to edit their profile.	
Trigger	Admin and user click the edit profile button.	
Typical course of events	Admin and User Action	System Action
	<b>Step 1:</b> Admin or User	<b>Step 2:</b> System will validate the data

	<p>need to log in first with email</p> <p><b>Step 3:</b> Admin or User click the Edit Profile button.</p> <p><b>Step 5:</b> Admin and User now can edit their profile.</p>	<p>of the admin or user whose try to log in.</p> <p><b>Step 4:</b> System will bring Admin or User to the Edit Profile page.</p>
Alternate course	Alt-Step 2: Admin and User Credentials not found so admin and user need to re-enter their login information.	
Conclusion	This use case conclude when admin and user are already logged to the system and edit their profile.	
Post Conditions	The system brings the admin and user to the edit profile page.	
Business Rules	Admin and User need to log in first in order to edit their profile.	
Implementation Constraints and Specifications		
Assumptions	-	
Open Issues	Admin and User cannot login if their credentials do not match	

### 3.3.2 Activity Diagram

#### 1. Log in Activity

This Activity Diagram below describes how our system works when user tries to login

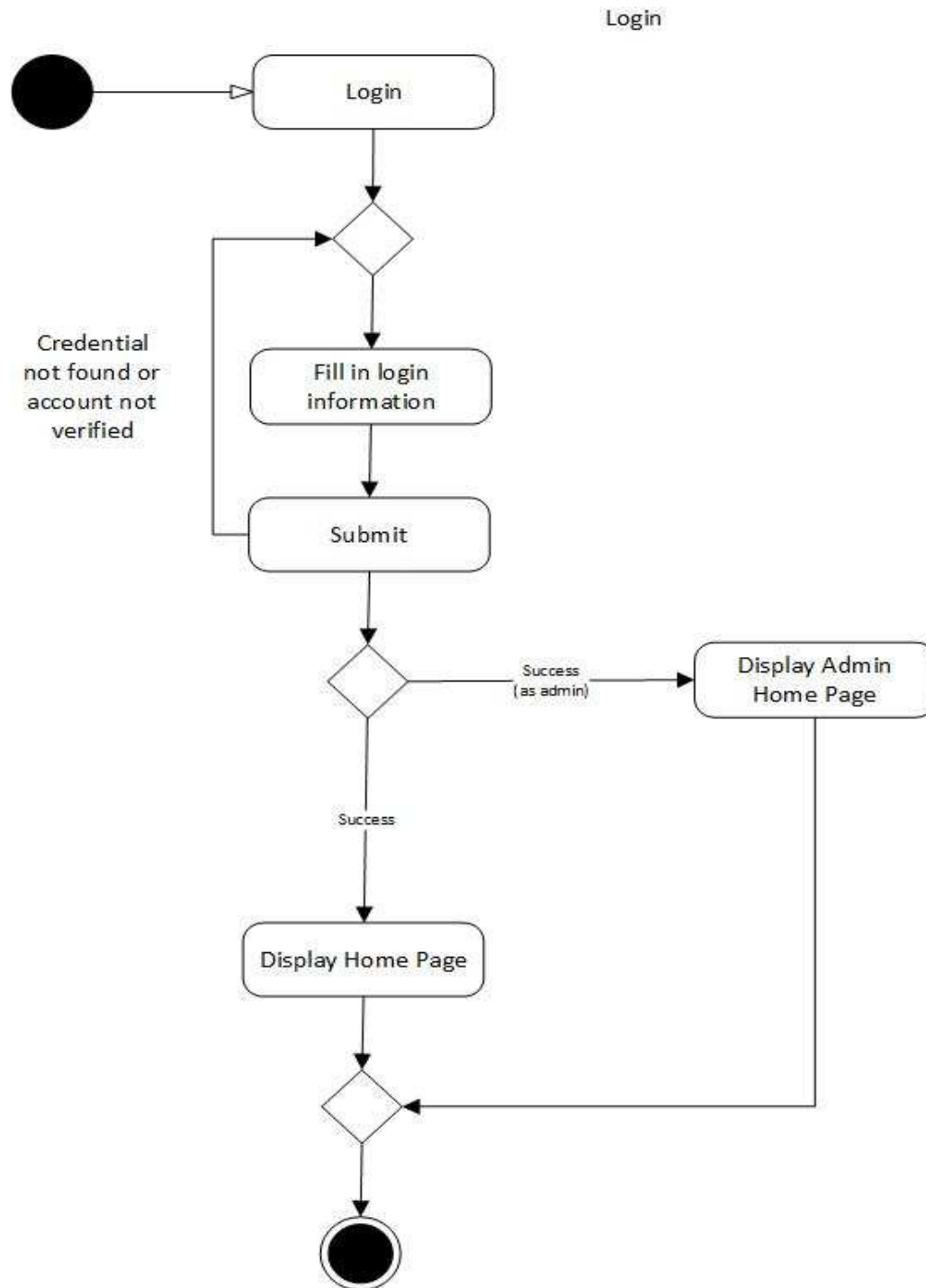
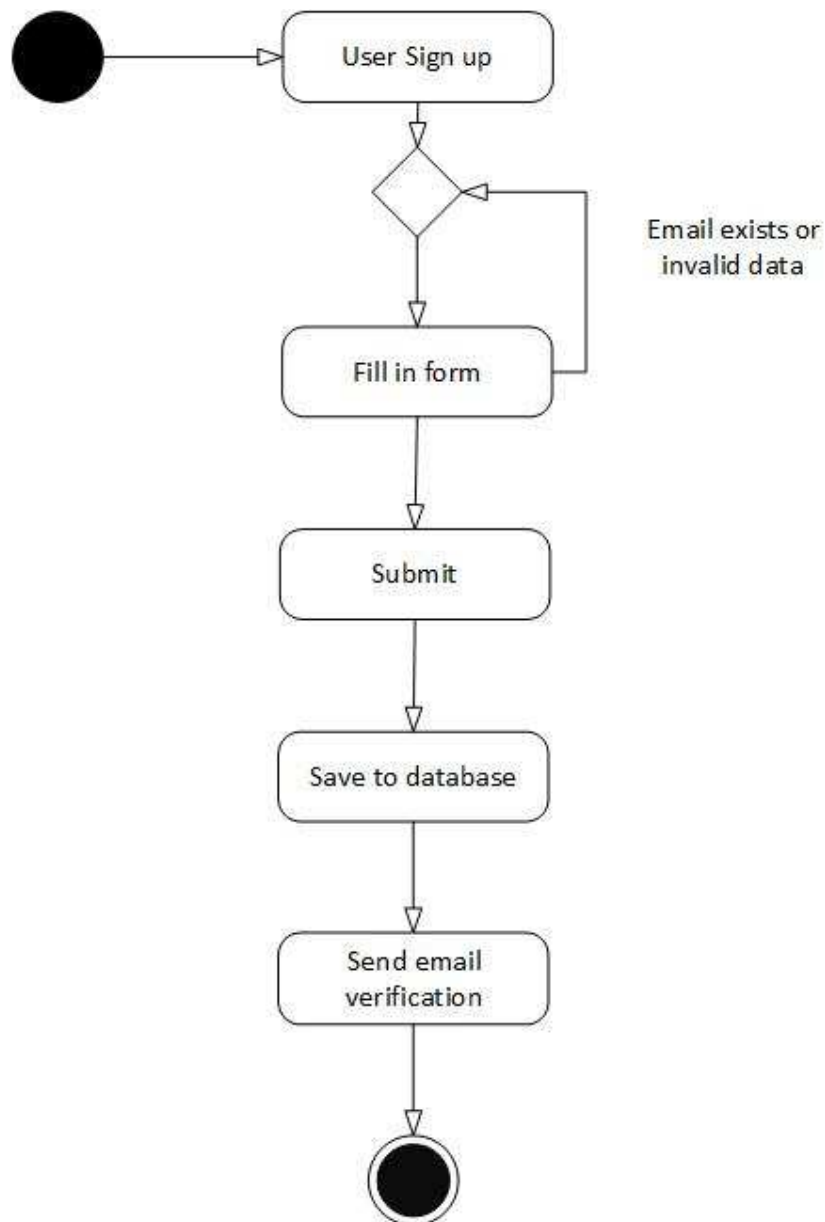


Figure 3.4 Log in Activity Diagram

## 2. Registration Activity

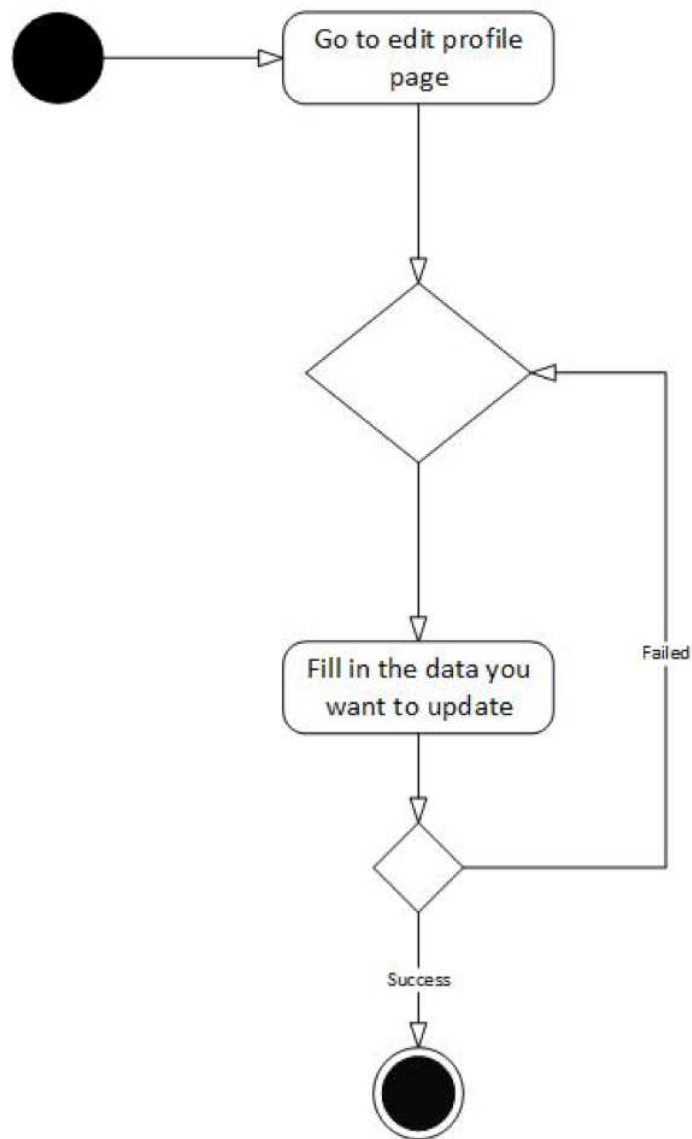
This Activity Diagram below describes how our system works when user tries to register



**Figure 3.5 Registration Activity Diagram**

### 3. Edit Profile Activity

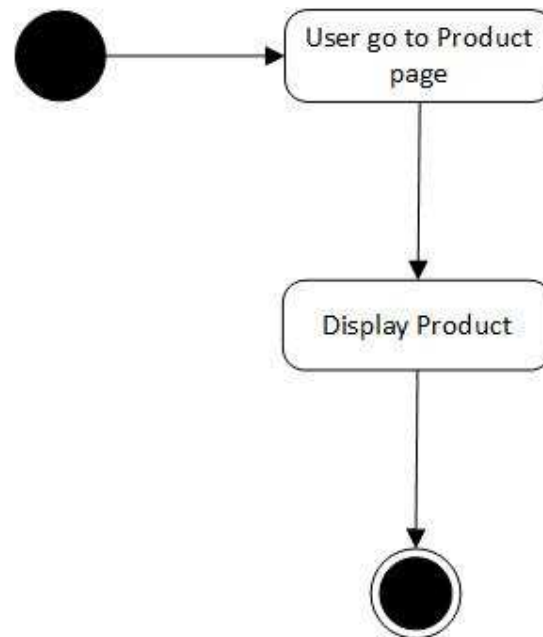
This Activity Diagram below describes how our system works, when user or admin want to update their profile.



**Figure 3.6 Edit Profile Activity Diagram**

#### 4. View Product Activity

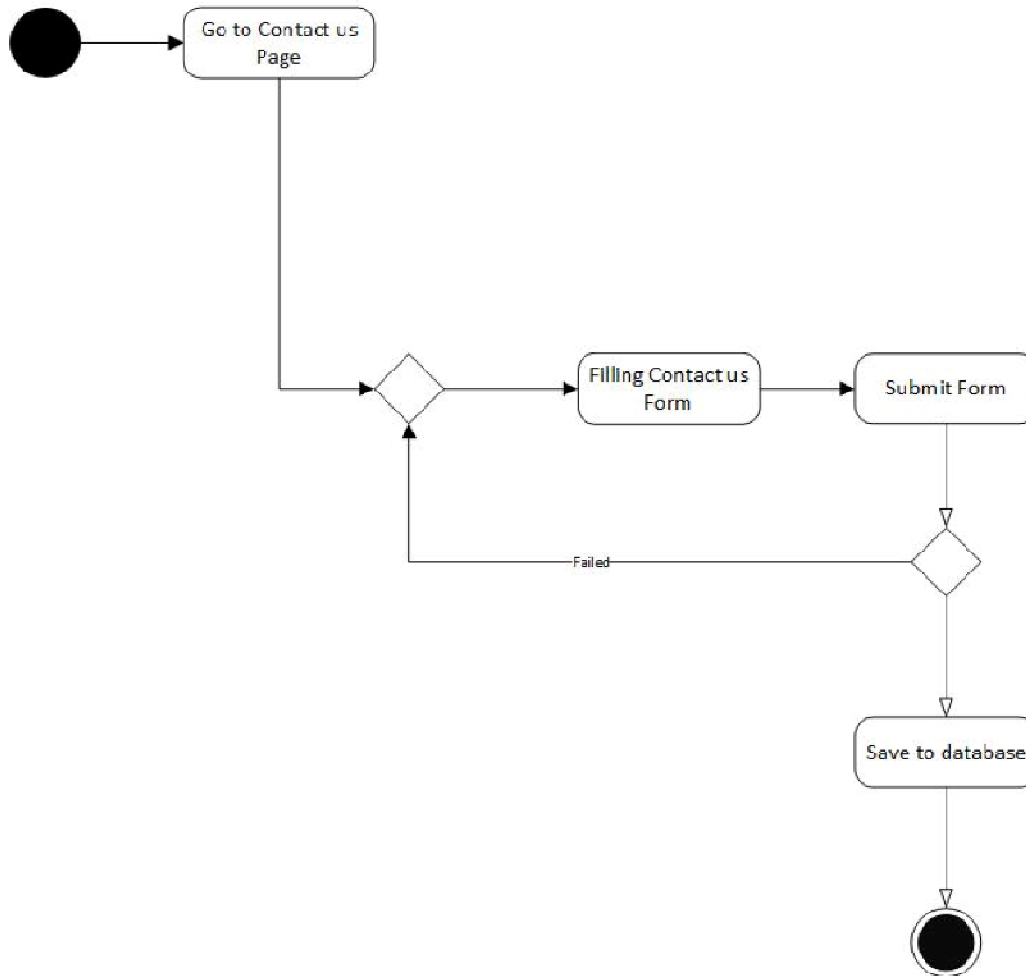
This Activity Diagram below describes how our system works when user visits our product page.



**Figure 3.7 View Product Activity Diagram**

### 5. View Contact Us Activity

This Activity Diagram below describes how our system works when user sends a message via contact us page.

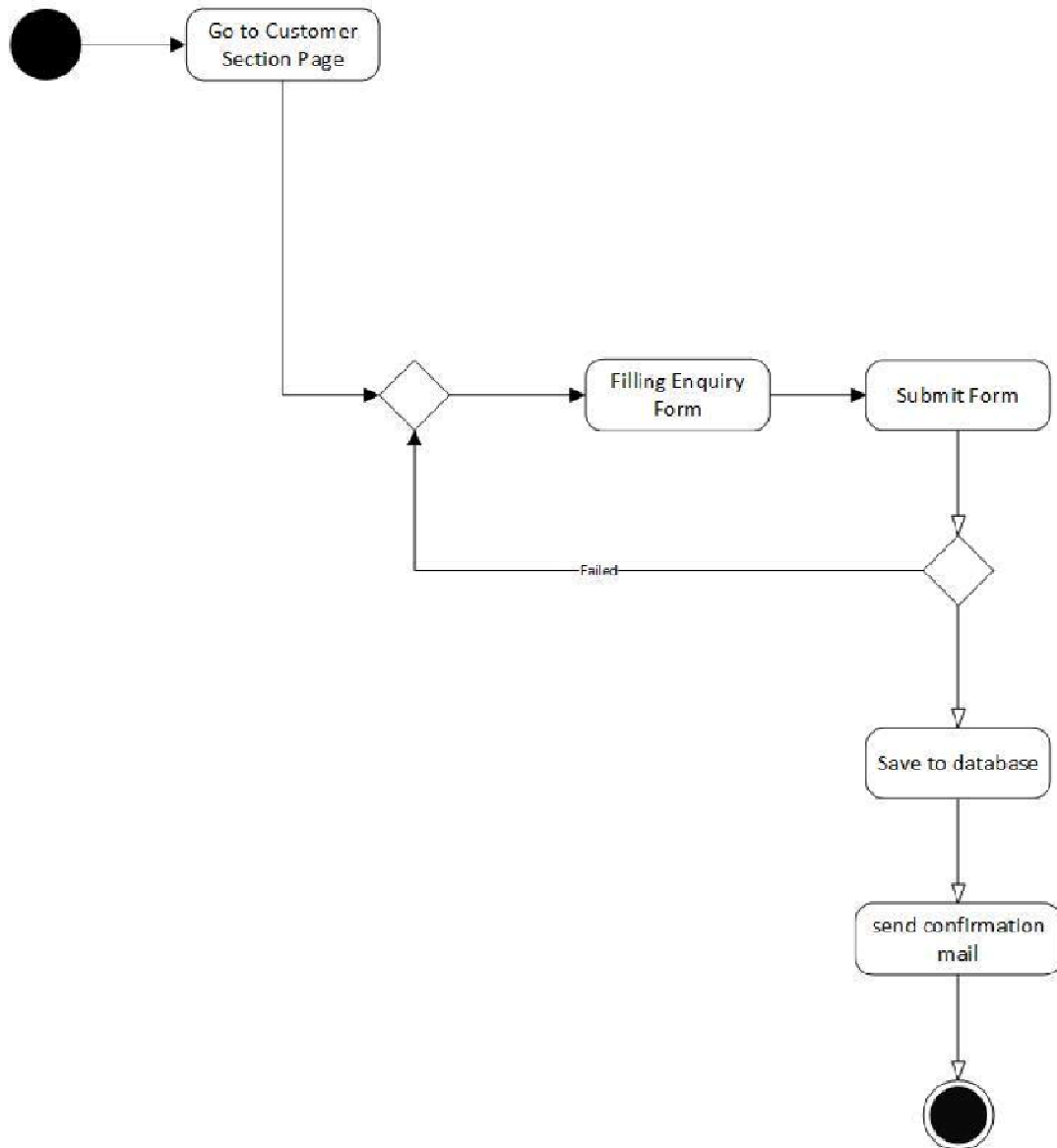


**Figure 3.8 View Contact Us Activity Diagram**



## 6. Enquiry Activity

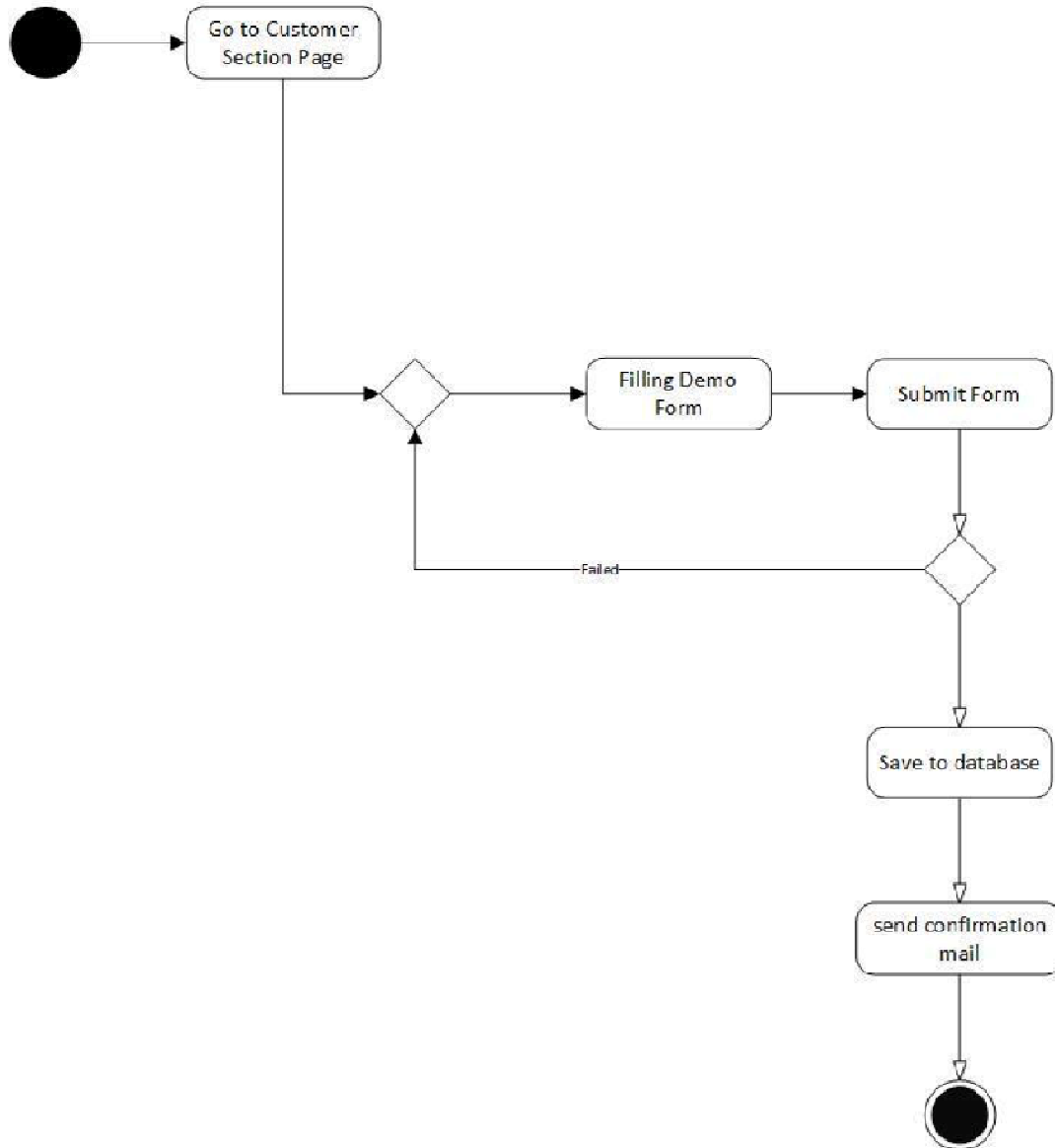
This Activity Diagram below describes how our system works when user wants to send enquiry.



**Figure 3.9 Enquiry Activity Diagram**

## 7. Demo Activity

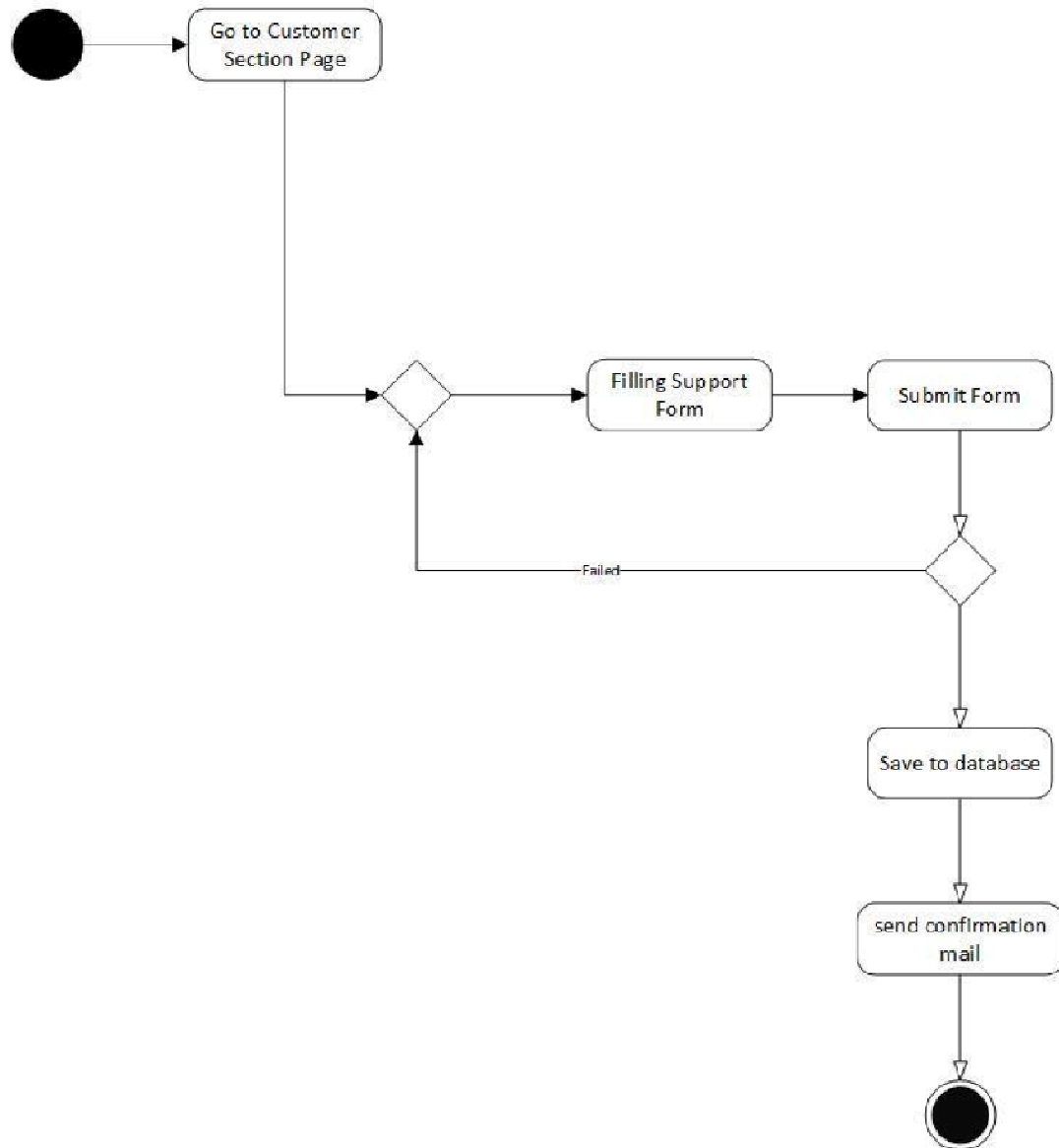
This Activity Diagram below describes how our system works when user wants to send demo.



**Figure 3.10 Demo Activity Diagram**

## 8. Support Enquiry

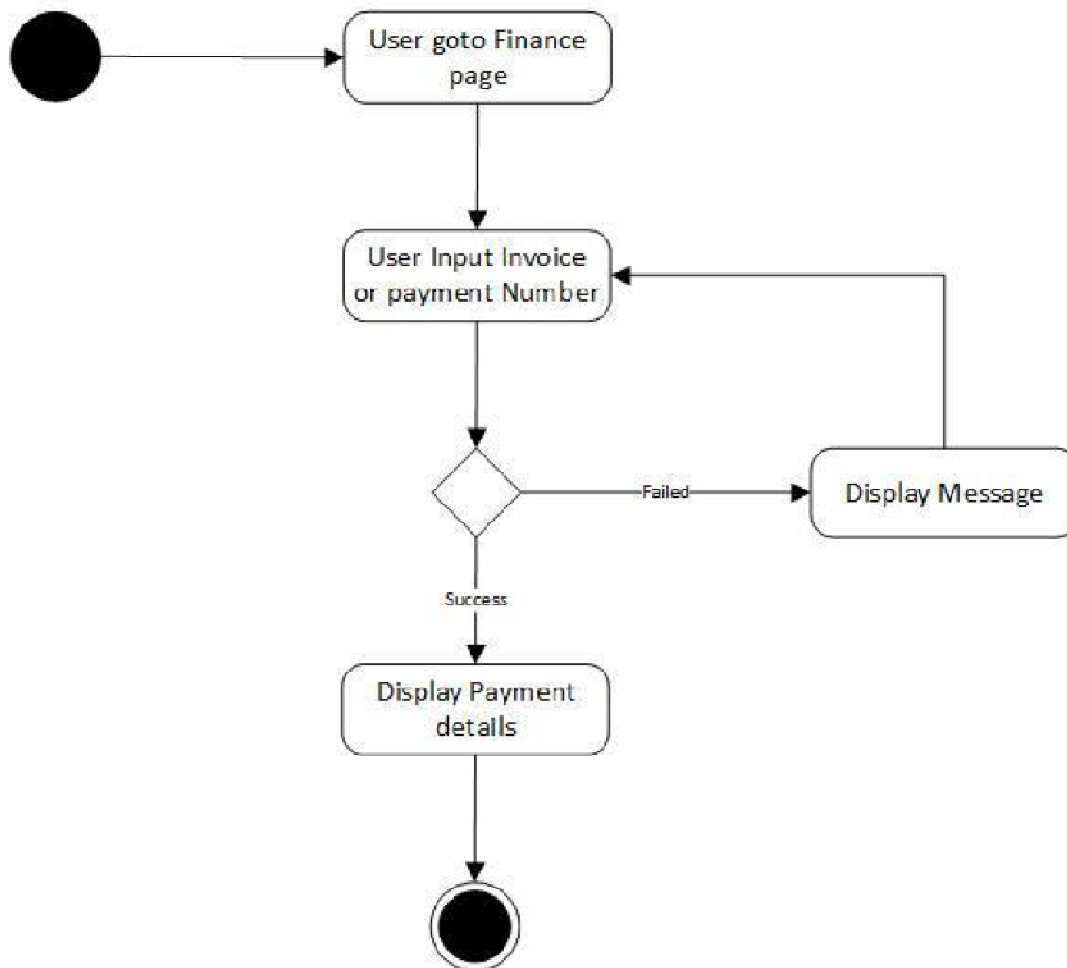
This Activity Diagram below describes how our system works when user wants to send support.



**Figure 3.11 Support Enquiry Activity Diagram**

### 9. View Payment Activity

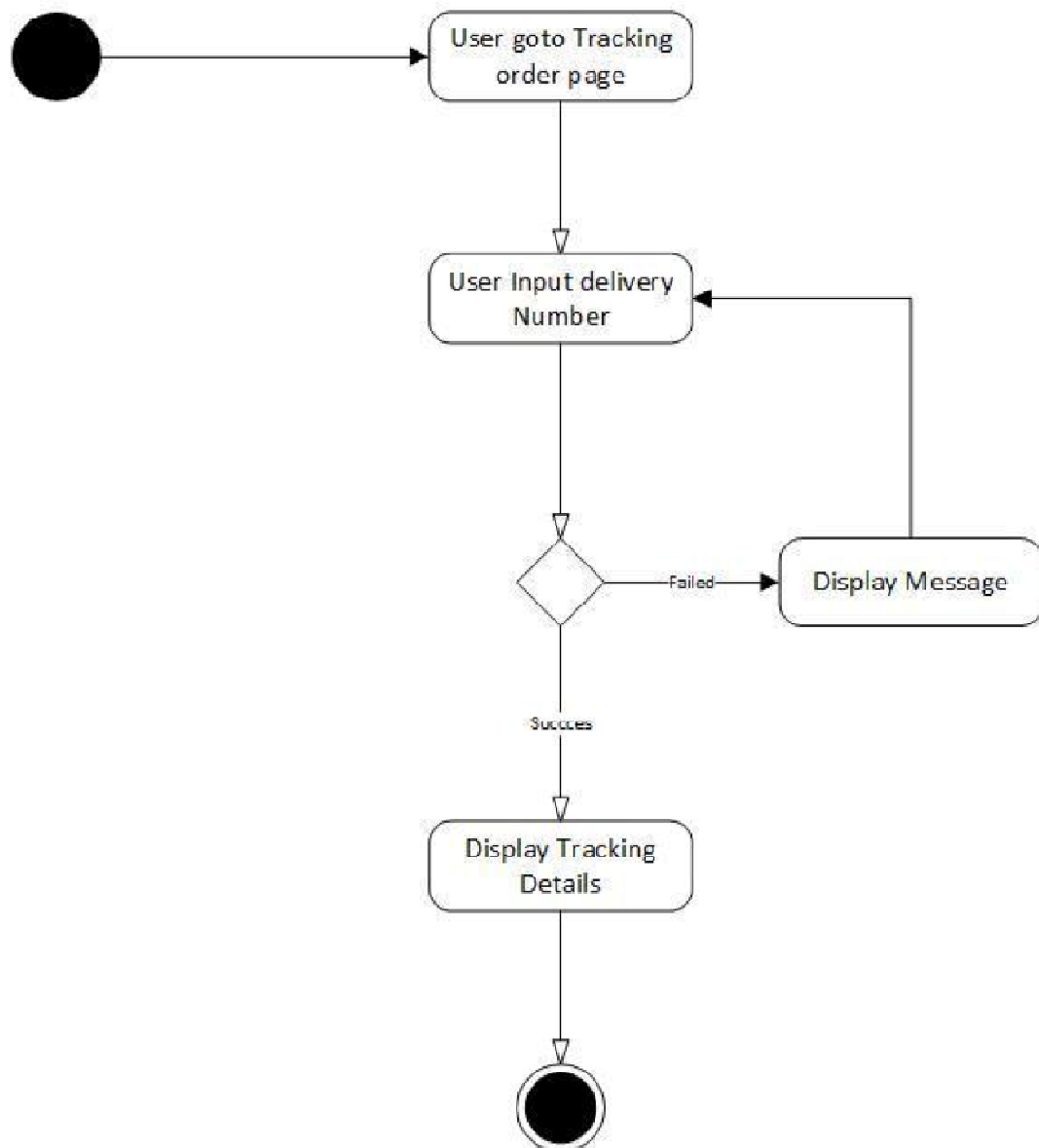
This Activity Diagram below describes how our system works when user wants to view their invoice.



**Figure 3.12 View Payment Activity Diagram**

### 10. View Tracking order Activity

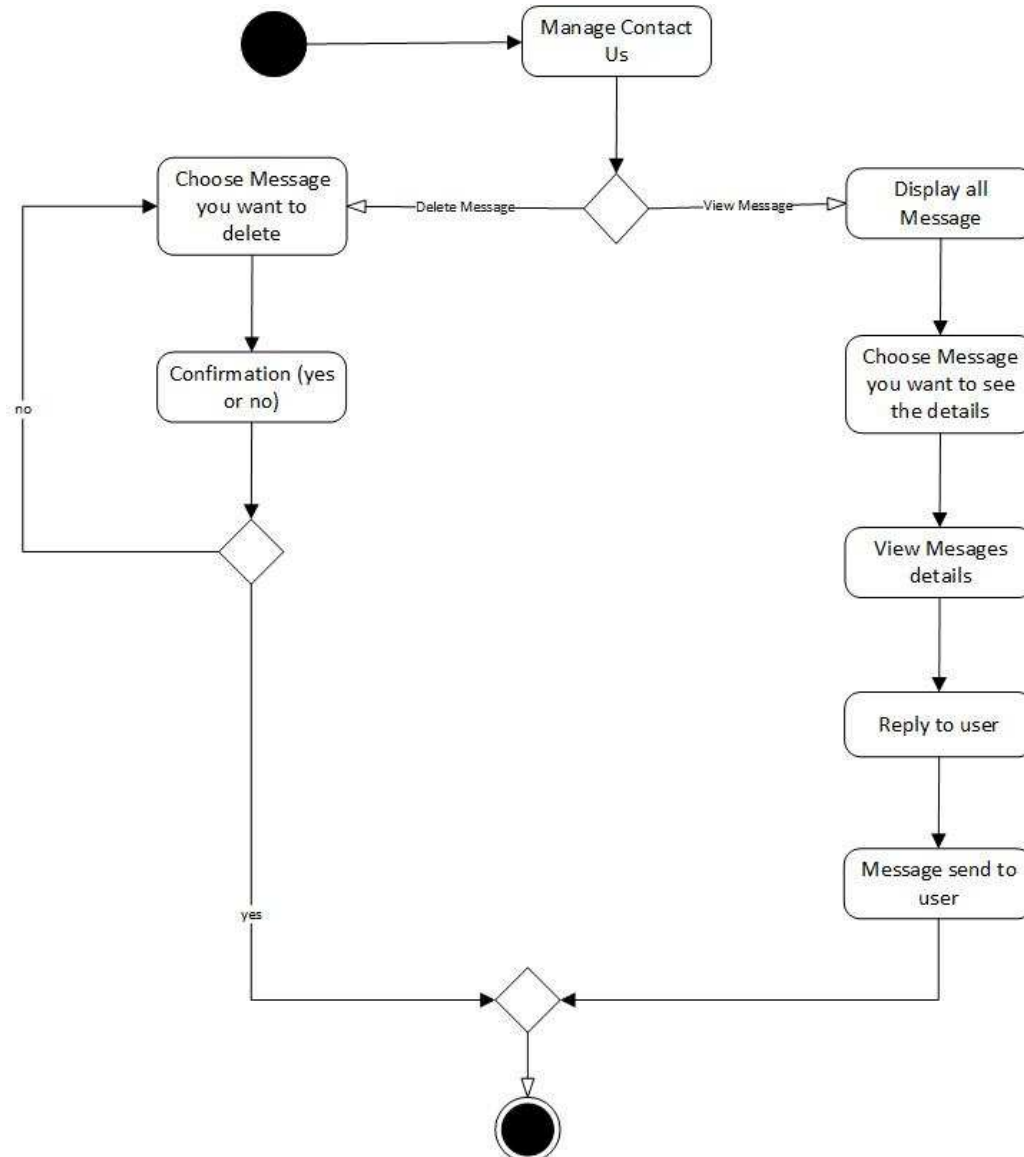
This Activity Diagram below describes how our system works when user wants to know where the location of their order is.



**Figure 3.13 View Tracking Order Activity Diagram**

### 11. Manage Contact Us Activity

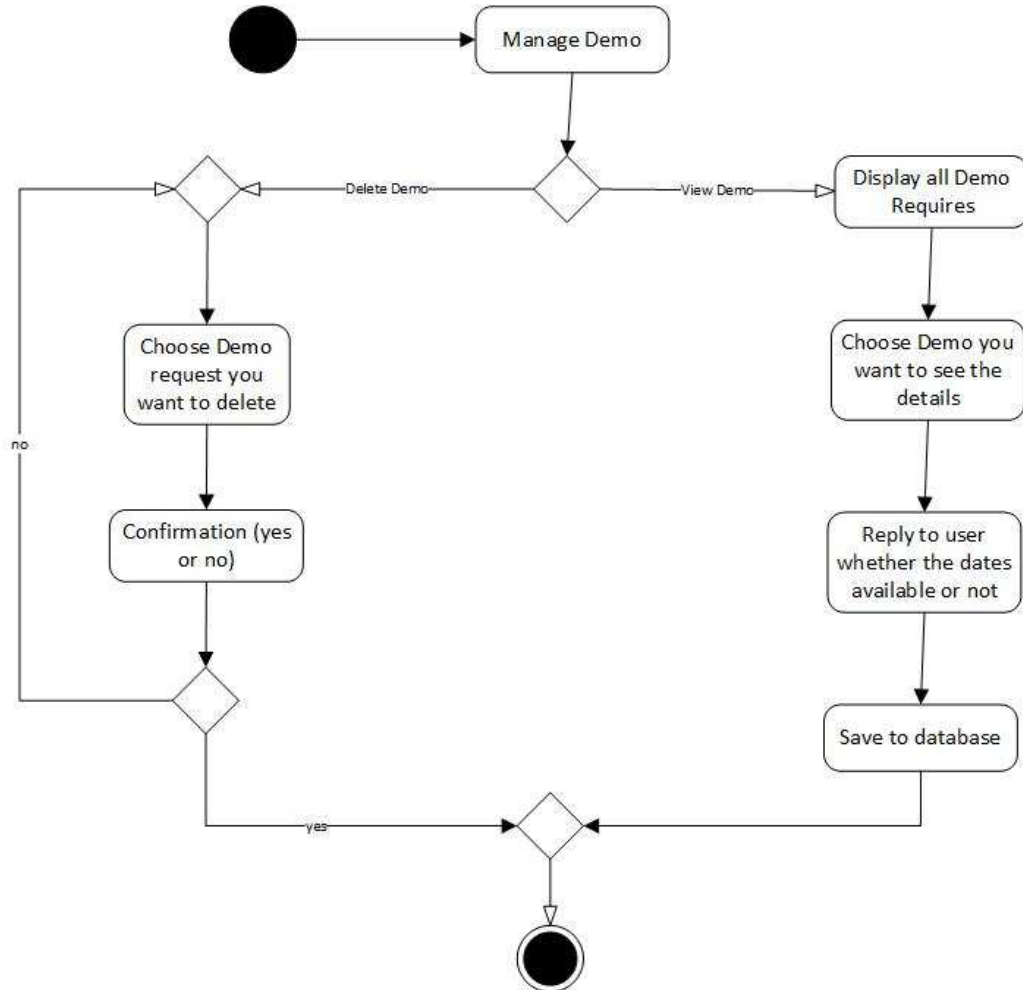
This Activity Diagram below describes how our system works when admin goes to manage the contact us page to manage the message sent by the user.



**Figure 3.14 Manage Contact Us Activity Diagram**

## 12. Manage Demo Activity

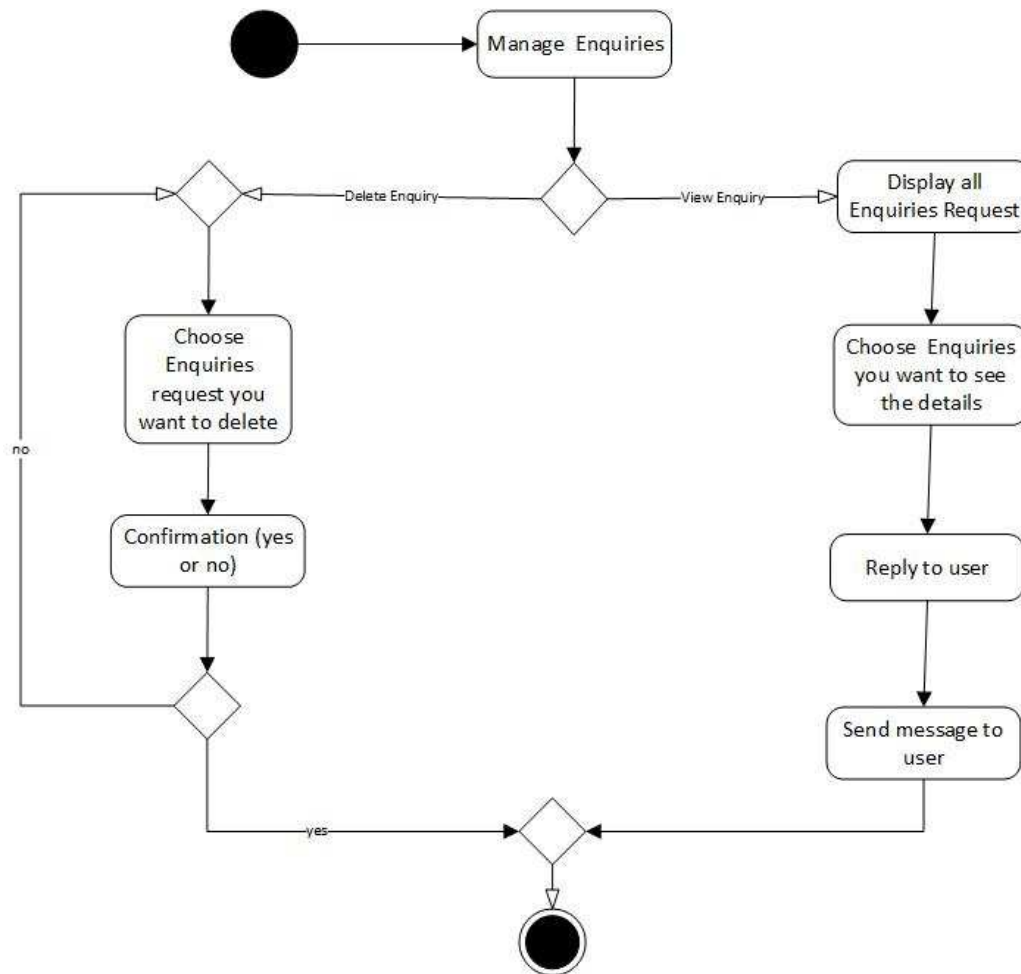
This Activity Diagram below describes how our system works when admin goes to manage Demo Page to manage the demo requested by the user



**Figure 3.15 Manage Demo Activity Diagram**

### 13. Manage Enquiries Activity

This Activity Diagram below describes how our system works when admin goes to manage enquiries page to manage the enquiries sent by the user

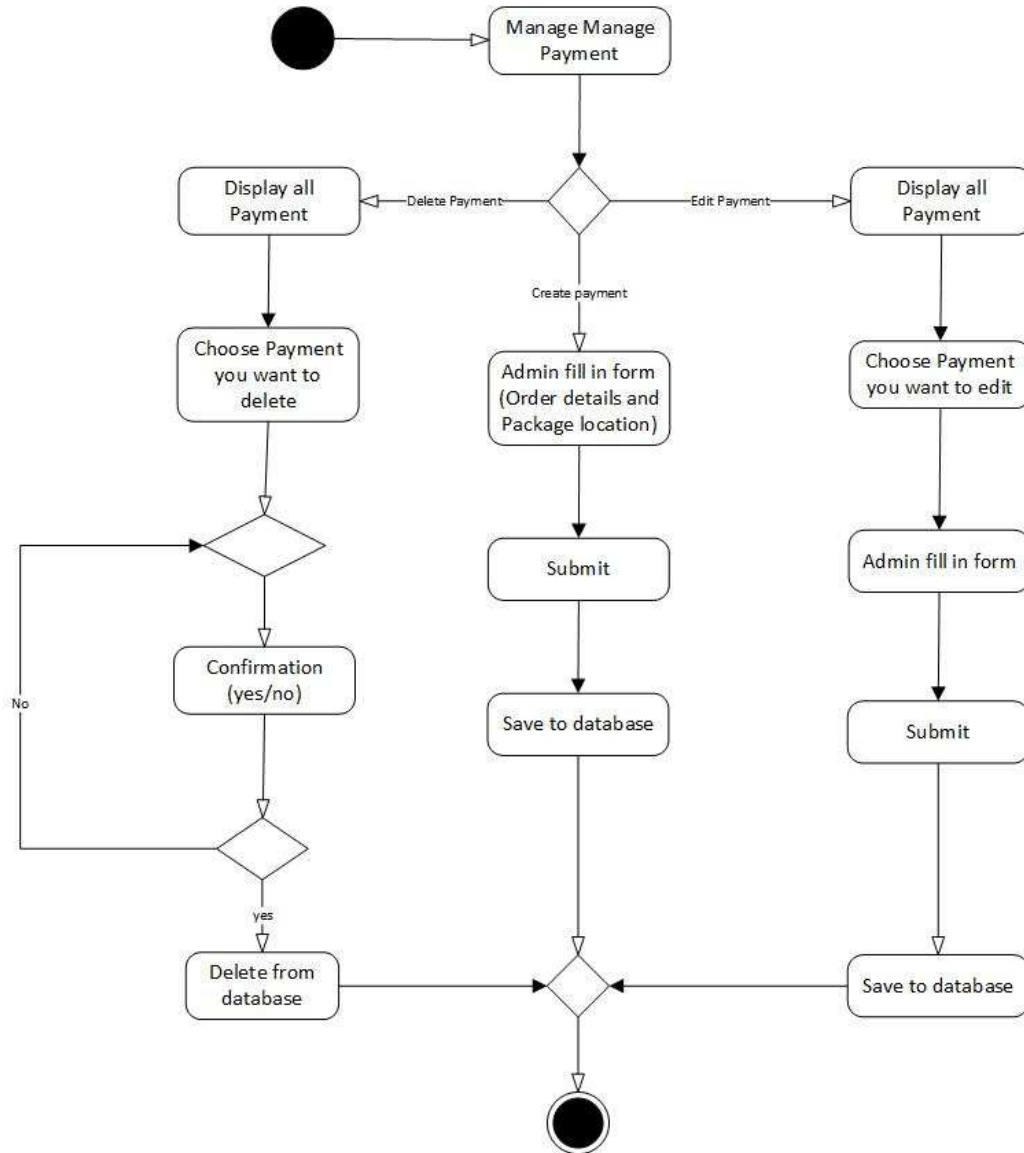


**Figure 3.16 Manage Enquiry Activity Diagram**



#### 14. Manage Payment Activity

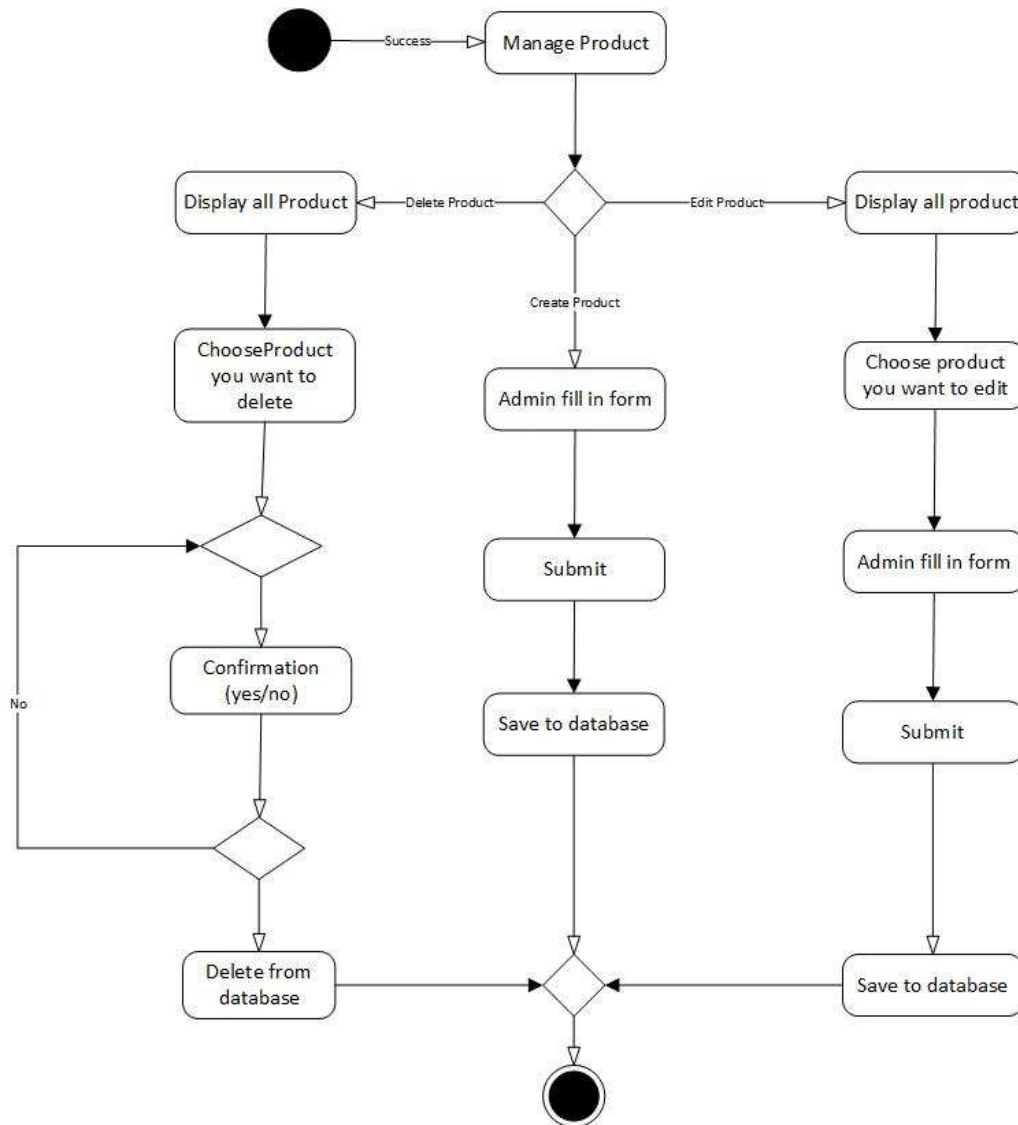
This Activity Diagram below describes how our system works when admin goes to manage payment page to manage the invoice of the user's order.



**Figure 3.17 Manage Payment Activity Diagram**

### 15. Manage Product Activity

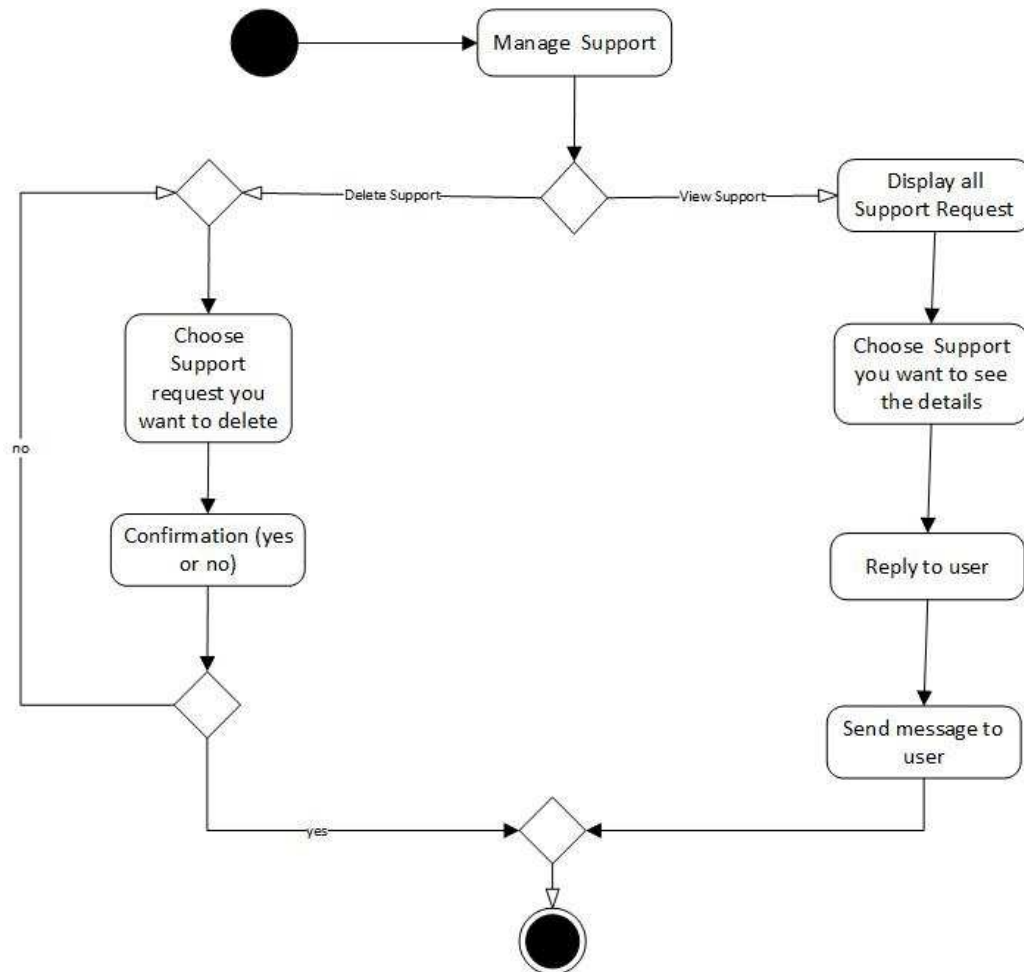
This Activity Diagram below describes how our system works when admin goes to manage product page to manage product.



**Figure 3.18 Manage Product Activity Diagram**

## 16. Manage Support Request

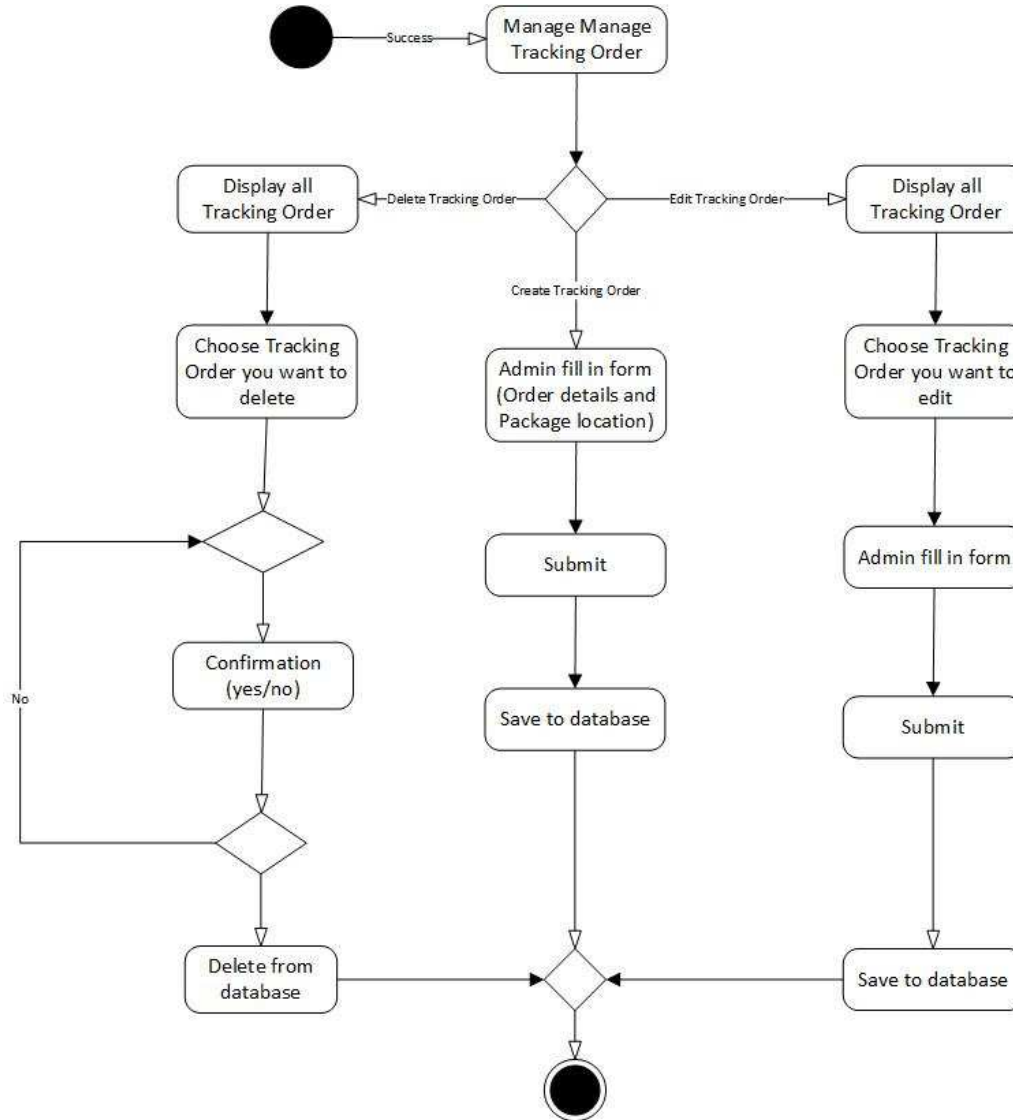
This Activity Diagram below describes how our system works when admin goes to manage support page to manage support requested by the user.



**Figure 3.19 Manage Support Activity Diagram**

### 17. Manage Tracking Order

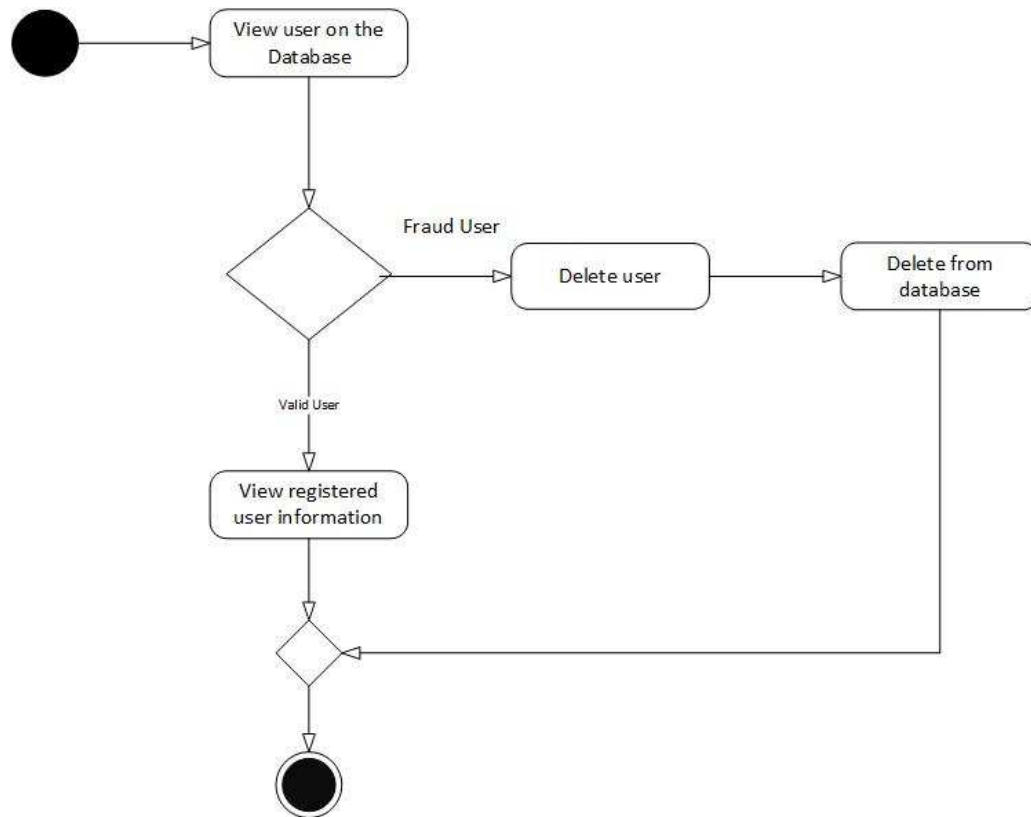
This Activity Diagram below describes how our system works when admin goes to tracking order page to manage the current process or location of the customer's order.



**Figure 3.20 Manage Tracking Order Activity Diagram**

## 18. Manage User Activity

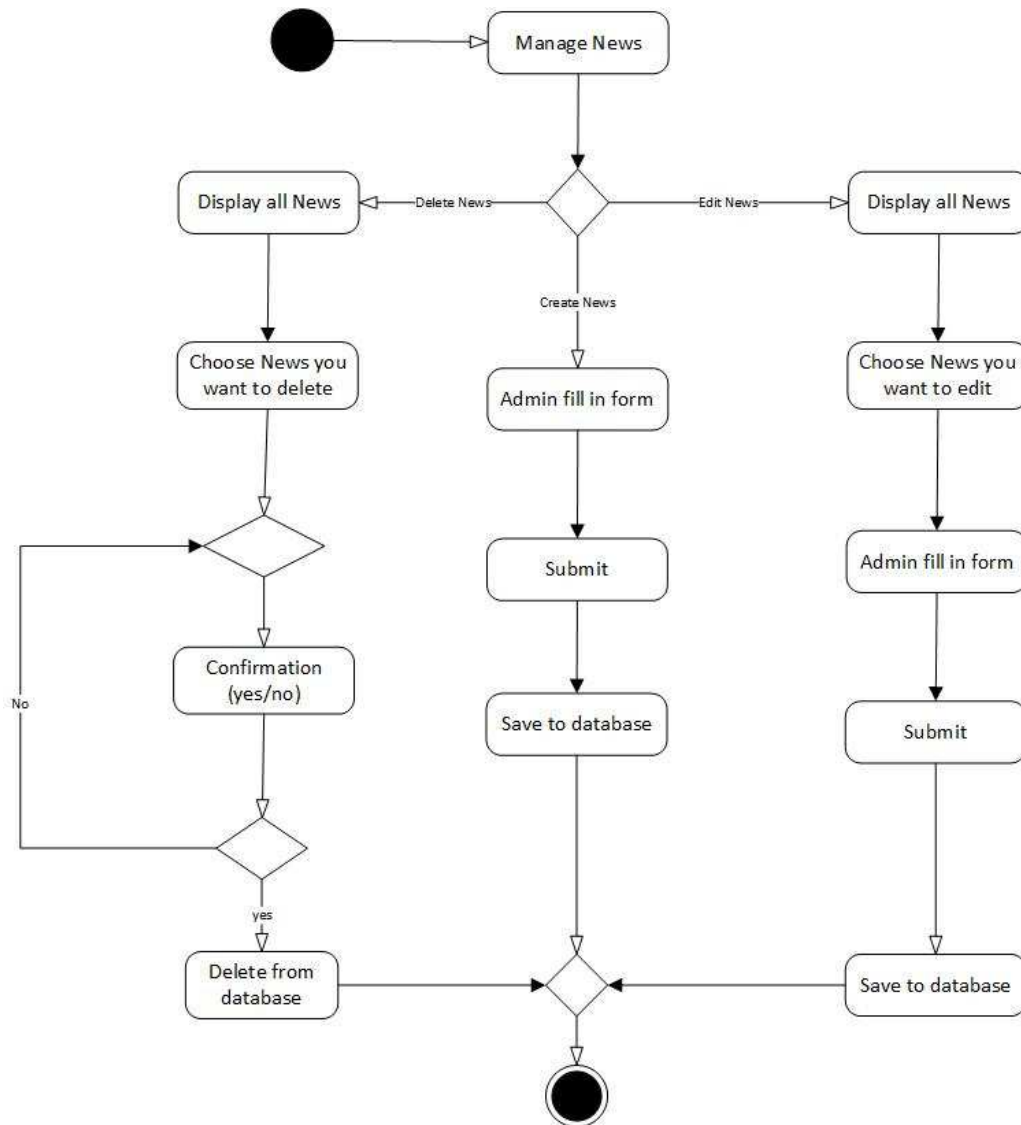
This Activity Diagram below describes how our system works when admin goes to manage user page to manage registered user.



**Figure 3.21 Manage User Activity Diagram**

### 19. Manage News Activity

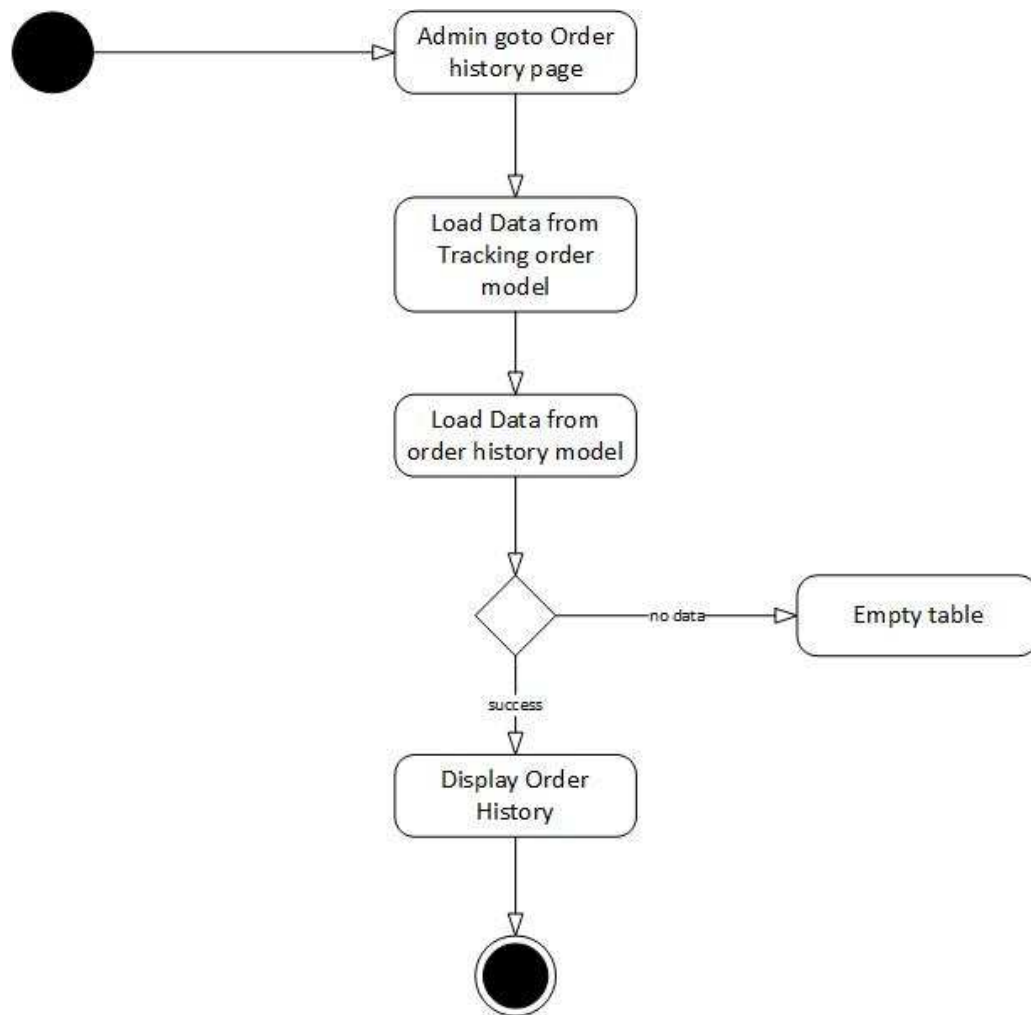
This Activity Diagram below describes how our system works when admin goes to manage news page to manage news.



**Figure 3.22 Manage News Activity Diagram**

## 20. Order History

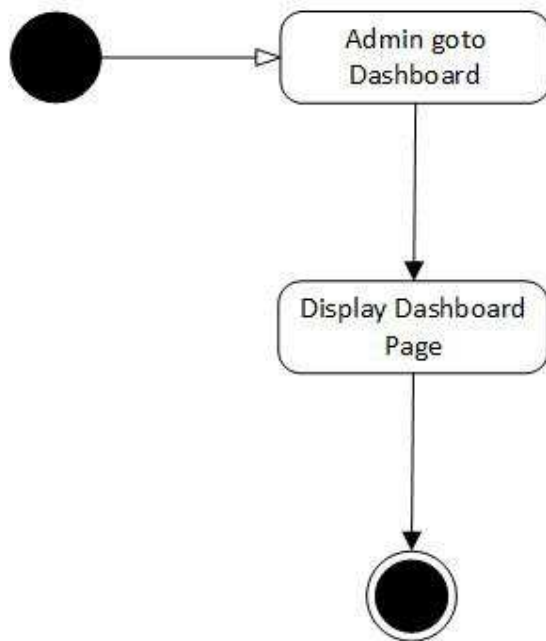
This Activity Diagram below describes how our system works when admin goes to order history page to view order history.



**Figure 3.23 Order History Activity Diagram**

## 21. Admin Dashboard

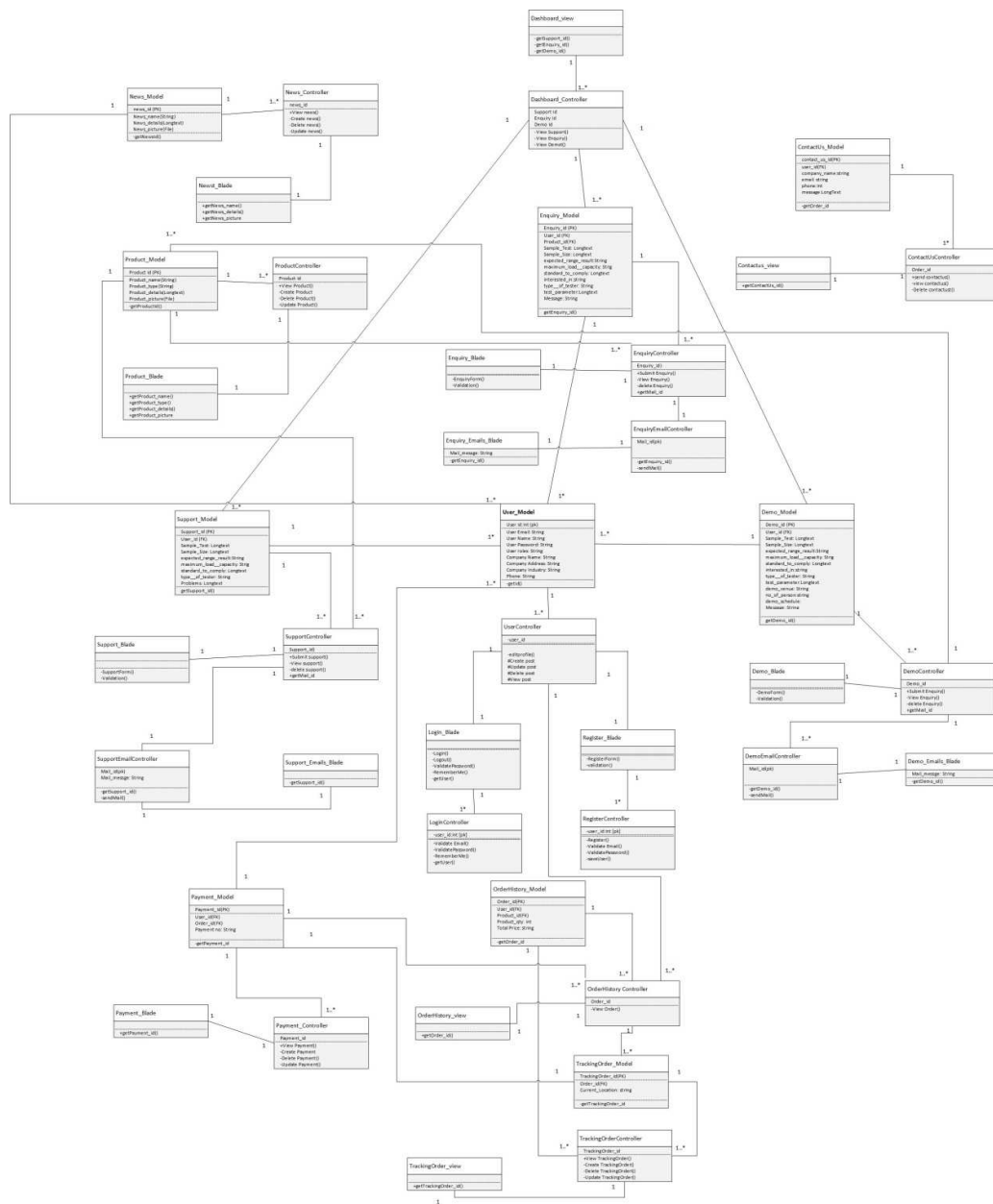
This Activity Diagram below describes how our system works when admin goes to dashboard page.



**Figure 3.24 Admin Dashboard Activity Diagram**



### 3.3.3 Class Diagram



This class diagram explains how our application works.

Figure 3.25 Class Diagram

### 3.3.4 Sequence Diagram

#### 1. Login Sequence

This Sequence Diagram below describe the login process for users (Customer and admin).

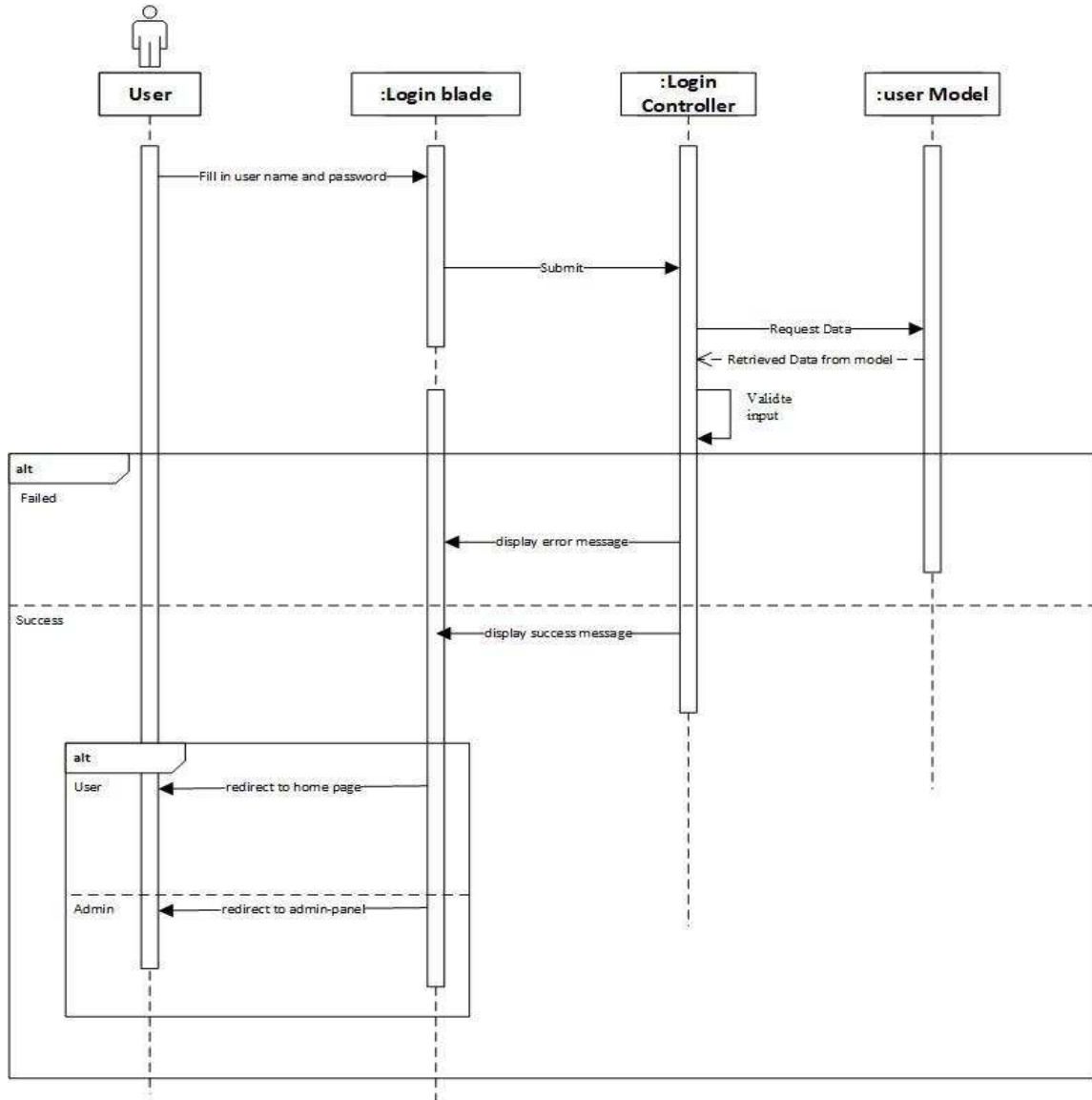
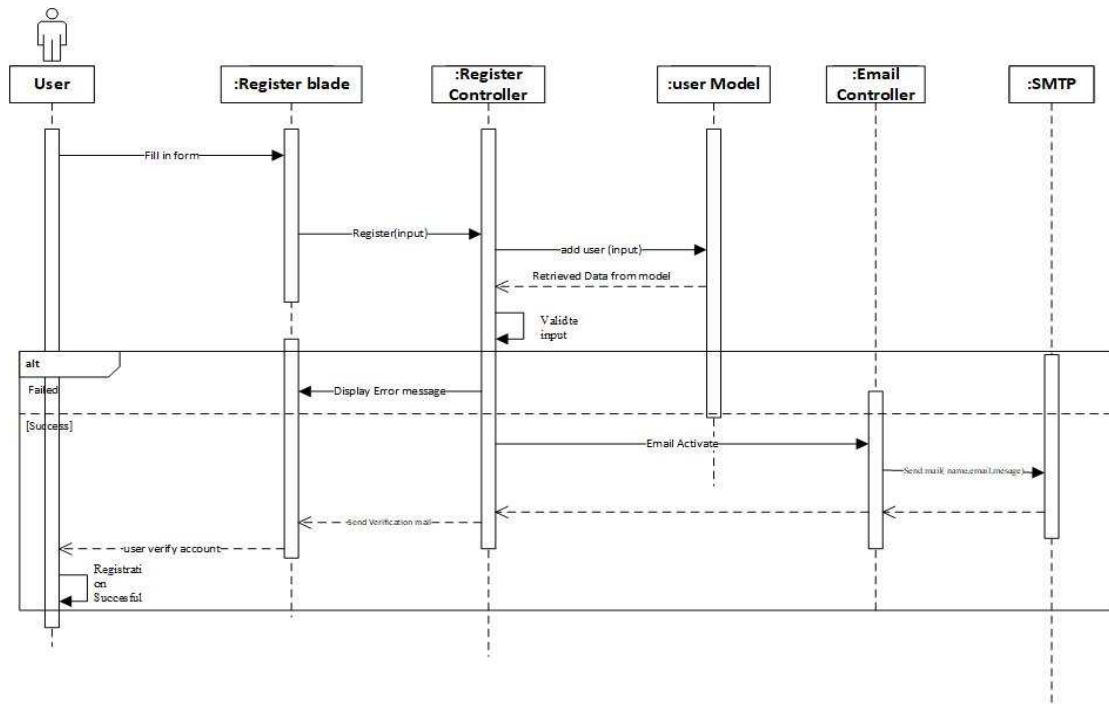


Figure 3.26 Login Sequence Diagram

## 2. Register Sequence

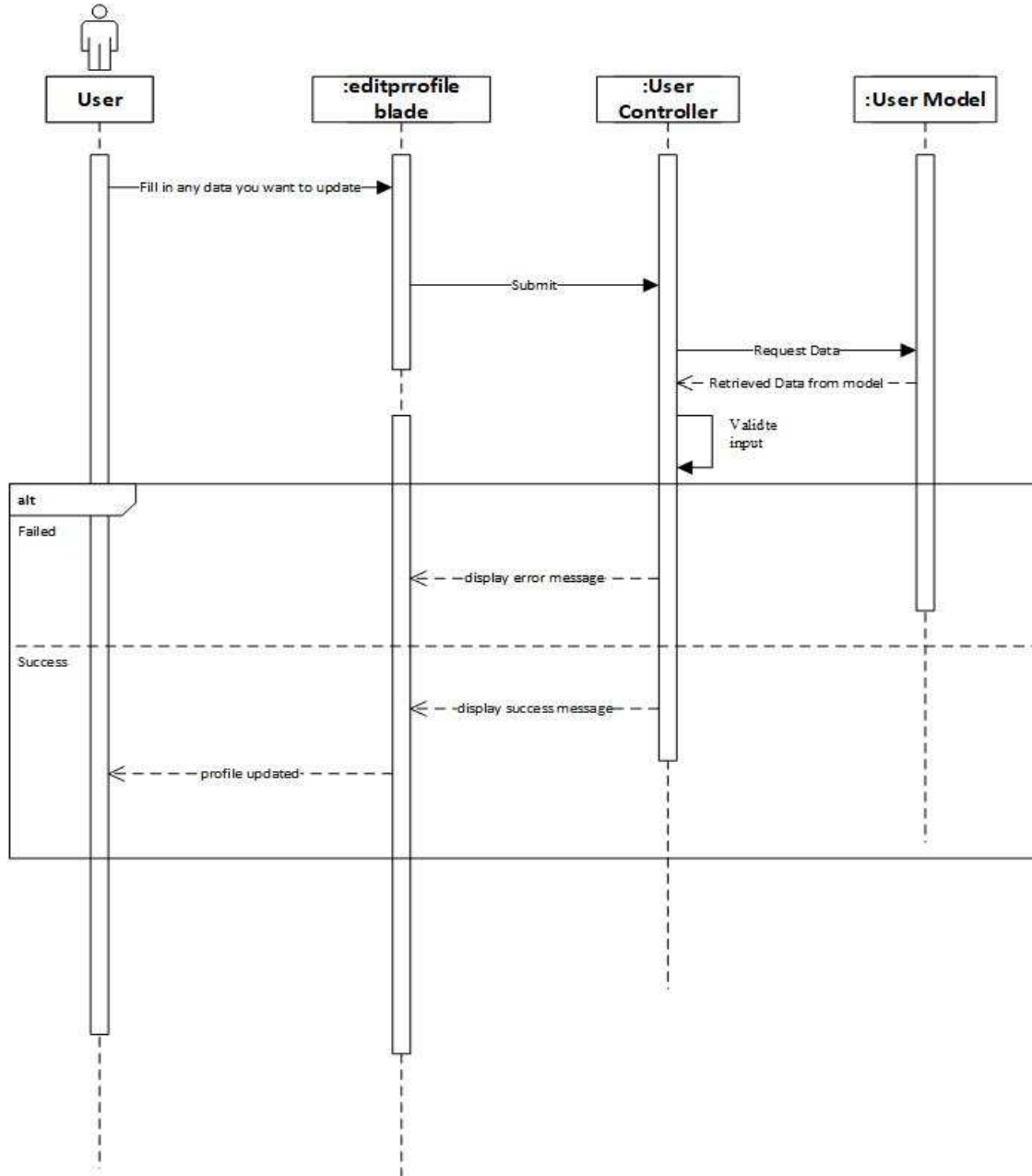
This Sequence Diagram below describe register process by new users



**Figure 3.27 Register Sequence Diagram**

### 3. Edit Profile Sequence

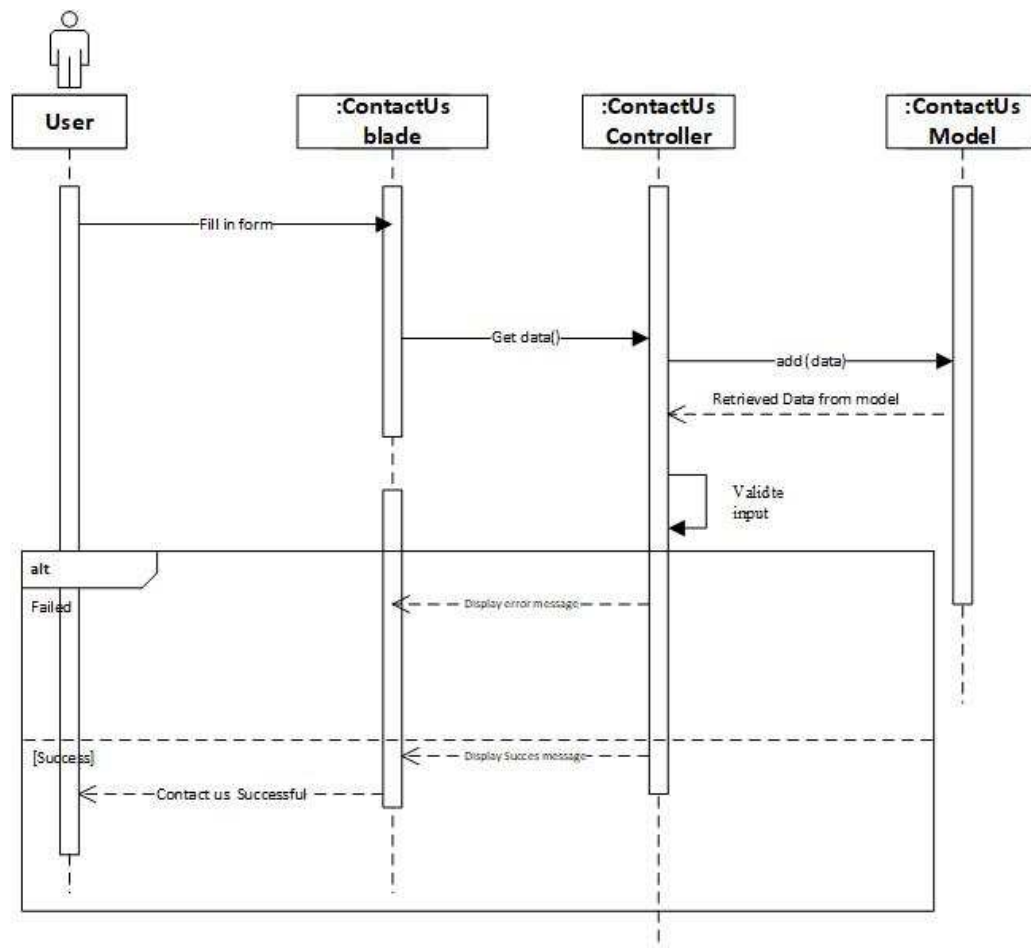
This Sequence Diagram below describe the editing process by Users (Admin and Customer)



**Figure 3.28 Edit Profile Sequence Diagram**

#### 4. Contact Us view Sequence

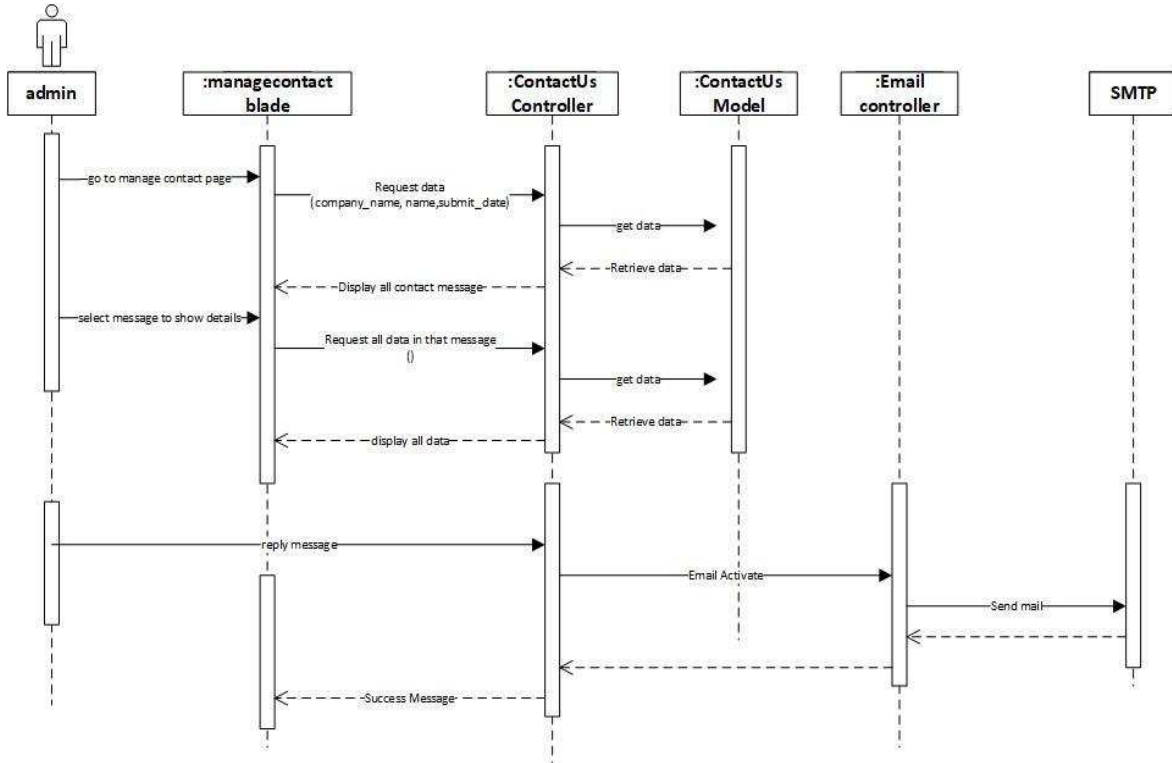
This Sequence Diagram below describe the process of users when trying to reach admin by send a message.



**Figure 3.29 Contact Us View Sequence Diagram**

### 5. Contact Us VIEW (admin) Sequence

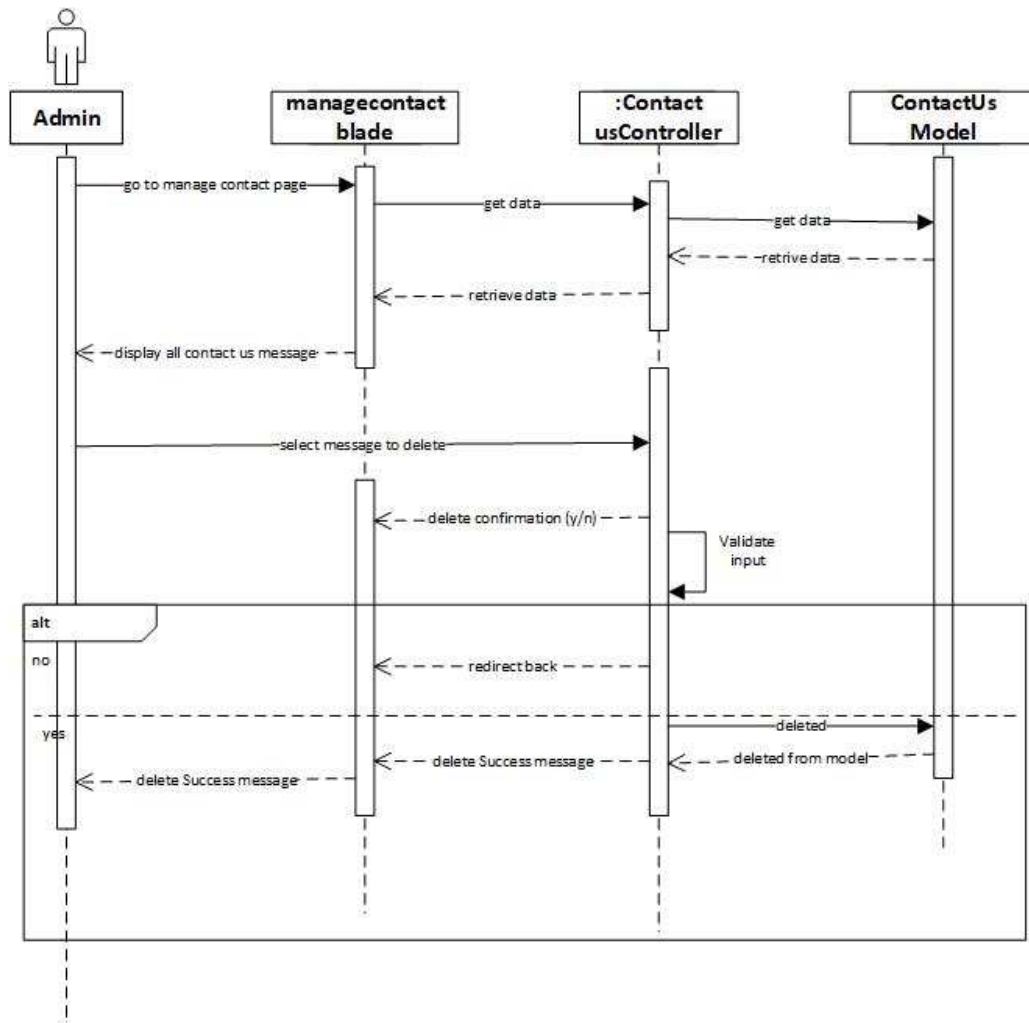
This Sequence Diagram below describes the process of admin viewing and replying user's message.



**Figure 3.30 Contact Us View Admin Sequence Diagram**

## 6. Contact Us delete (admin) Sequence

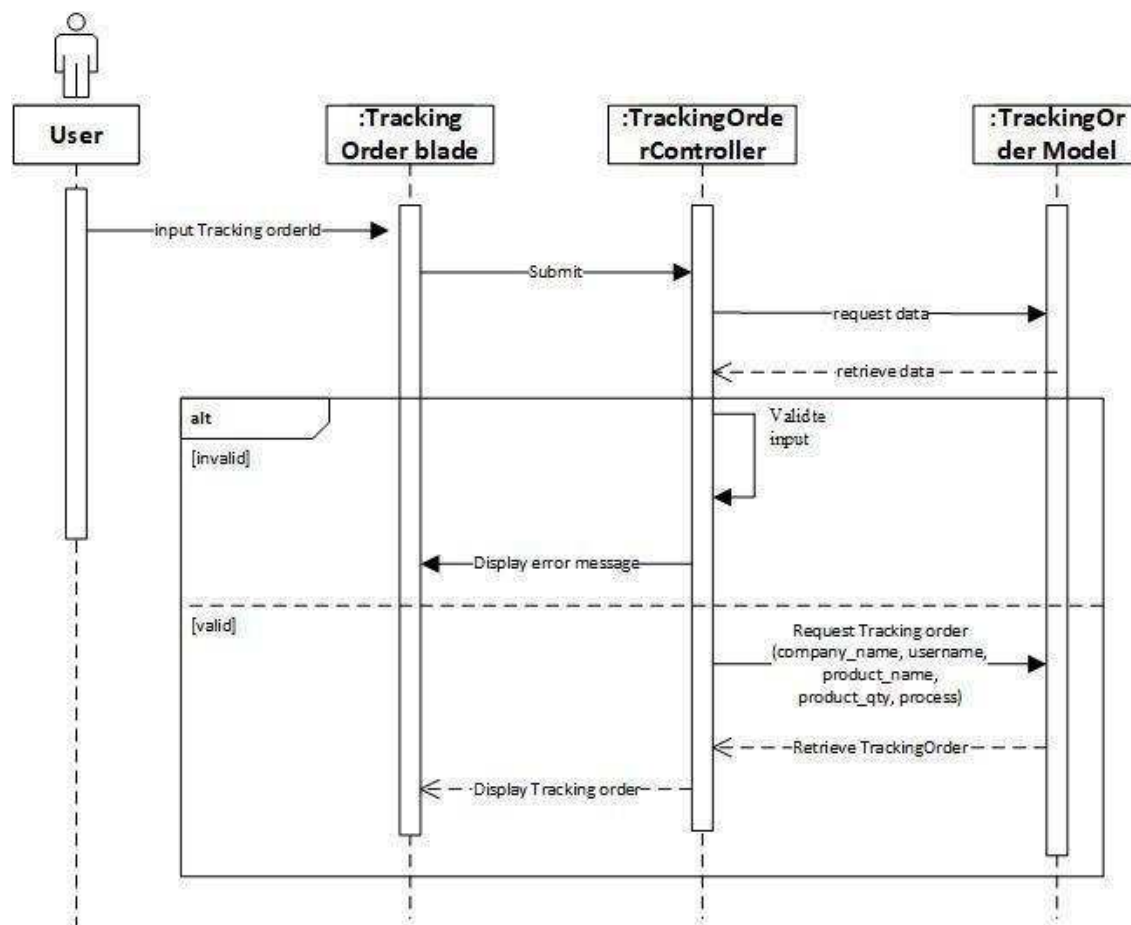
This Sequence Diagram below describe the process of deleting message from users by admin.



**Figure 3.31 Contact Us Delete Admin Sequence Diagram**

## 7. View Tracking order sequence

This Sequence Diagram below describe the process of track and tracing order by users.

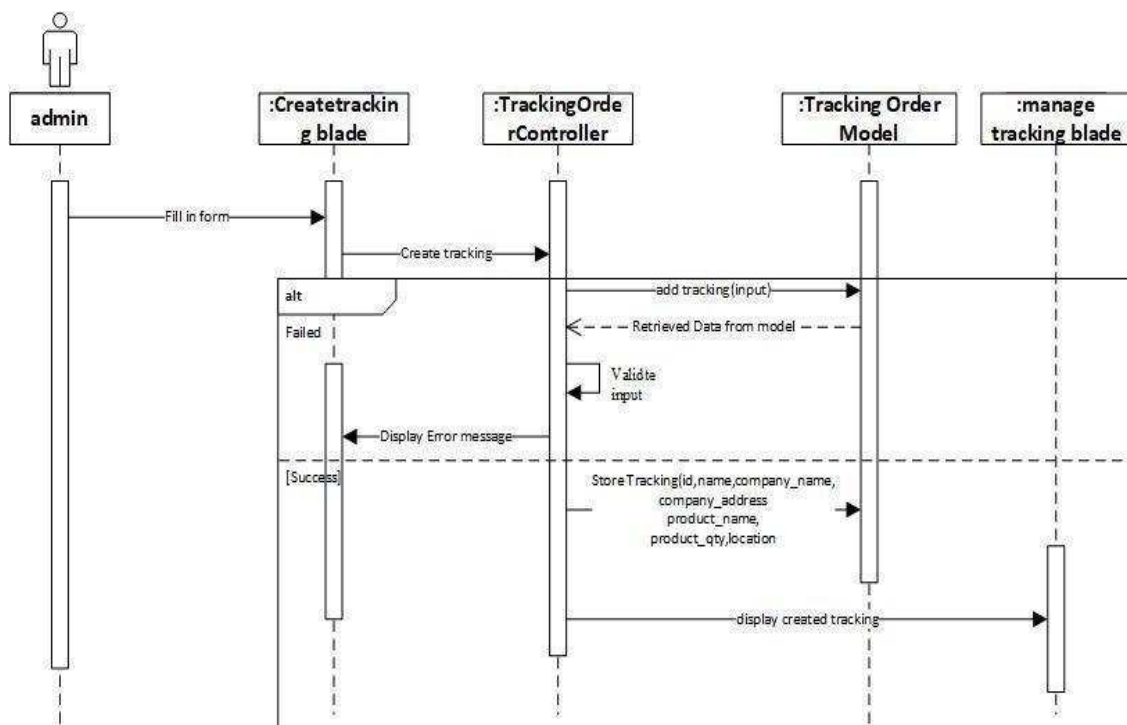


**Figure 3.32 View Tracking Order Sequence Diagram**



## 8. Create Tracking Order Sequence

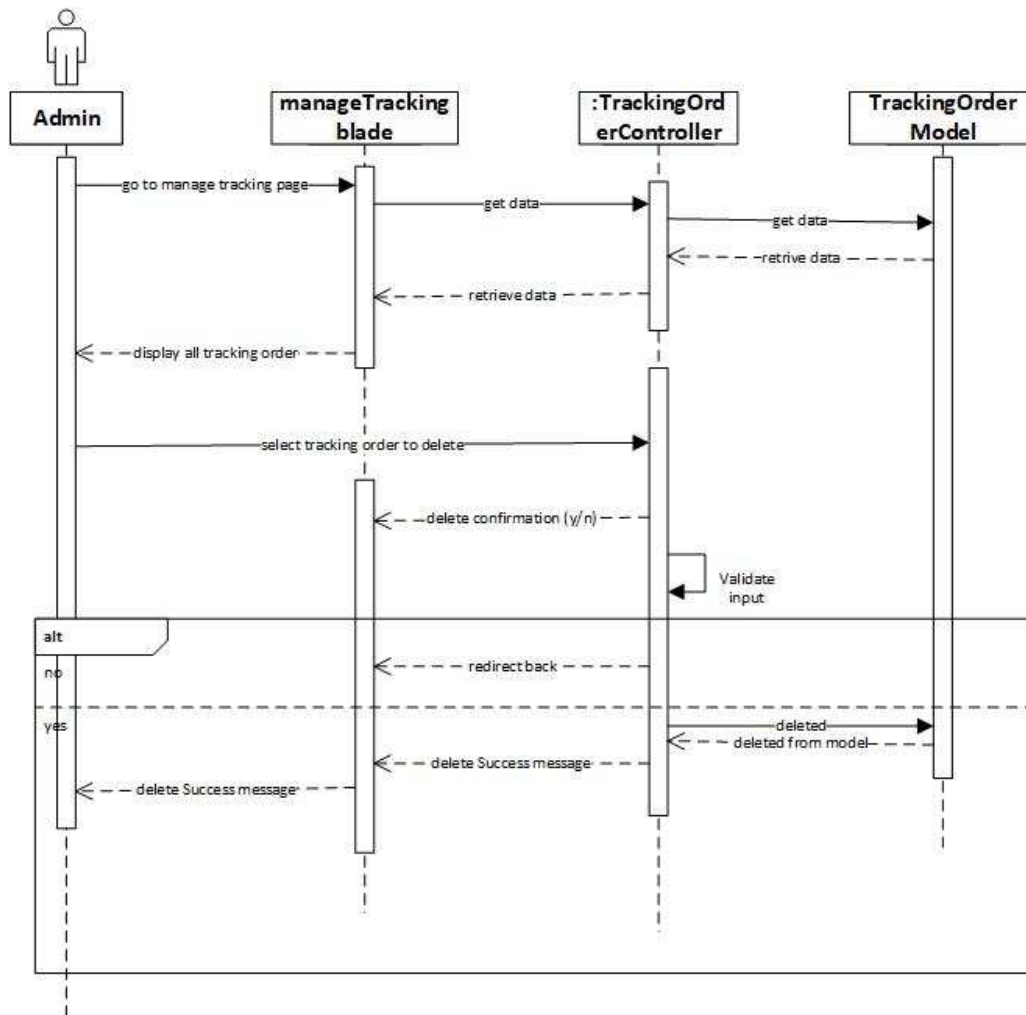
This Sequence Diagram below describe the process of creating a tracking order by admin for users.



**Figure 3.33 Create Tracking Order Sequence Diagram**

## 9. Delete Tracking order sequence

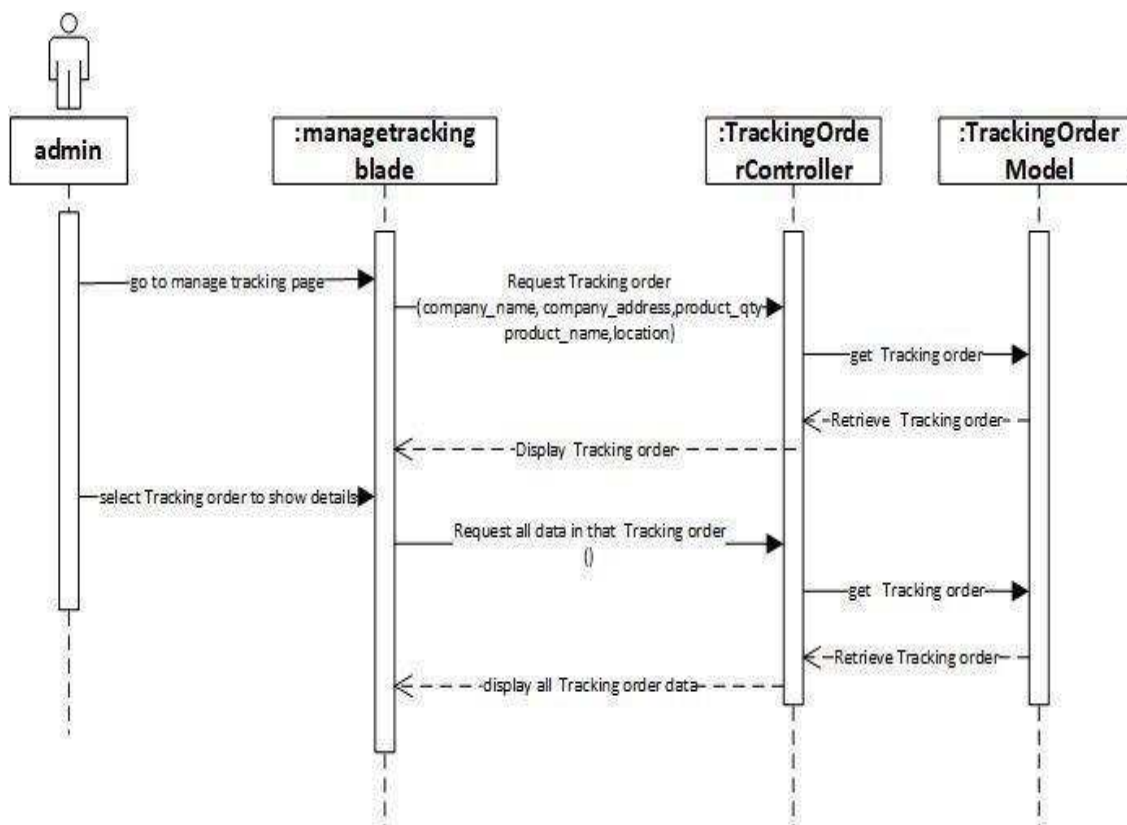
This Sequence Diagram below describe the process of deleting tracking order by admin.



**Figure 3.34 Delete Tracking Order Sequence Diagram**

## 10. View tracking order (admin) sequence

This Sequence Diagram below describes the process of viewing the track order by admin.



**Figure 3.35 View Tracking order Admin Sequence Diagram**

### 11. Edit tracking order sequence

This Sequence Diagram below describes the process of editing tracking order by admin.

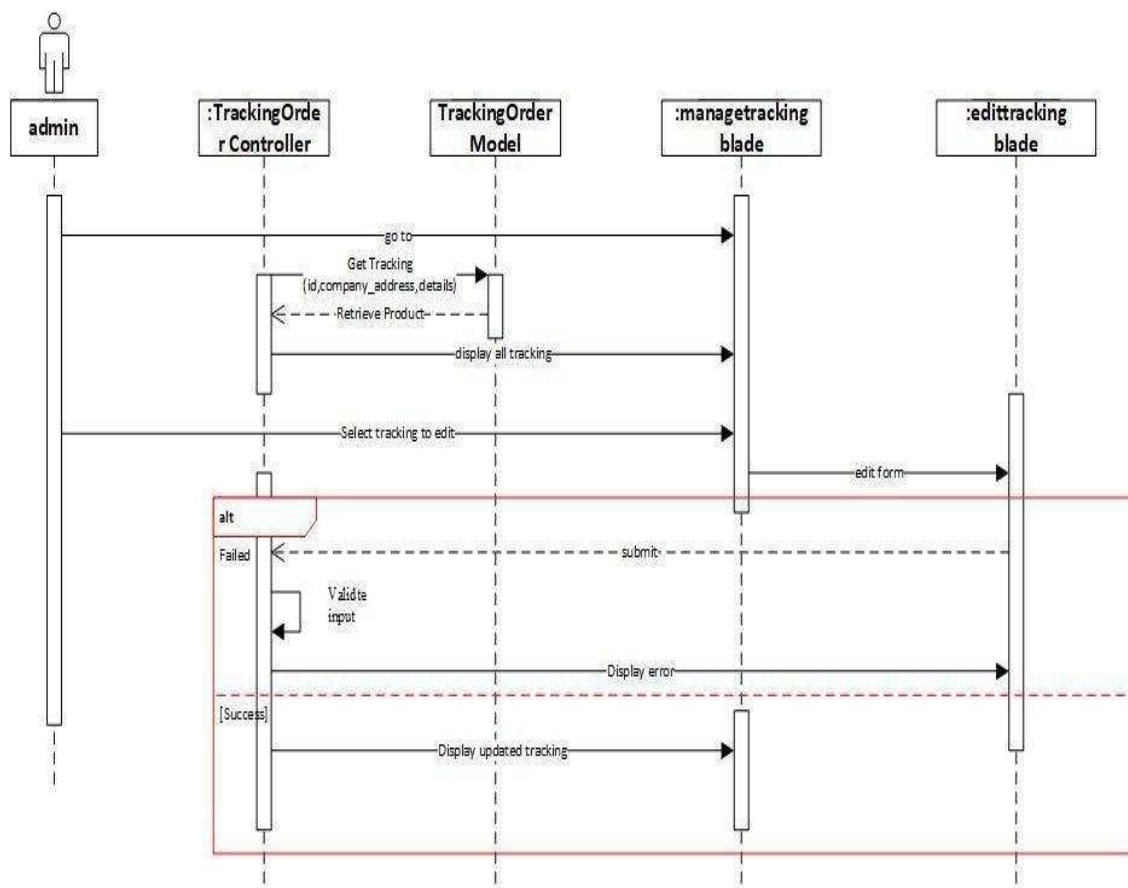
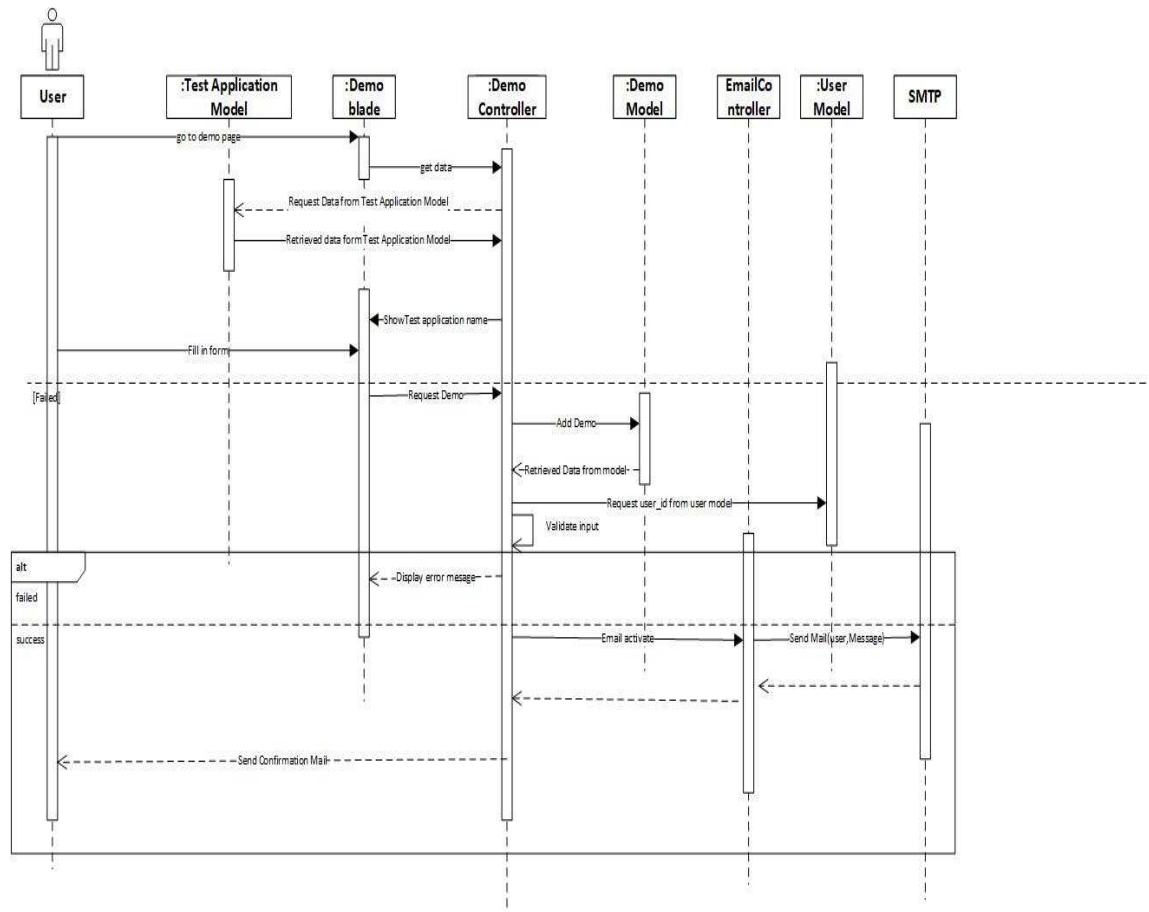


Figure 3.36 Edit Tracking Order Sequence Diagram

## 12. Submit demo sequence

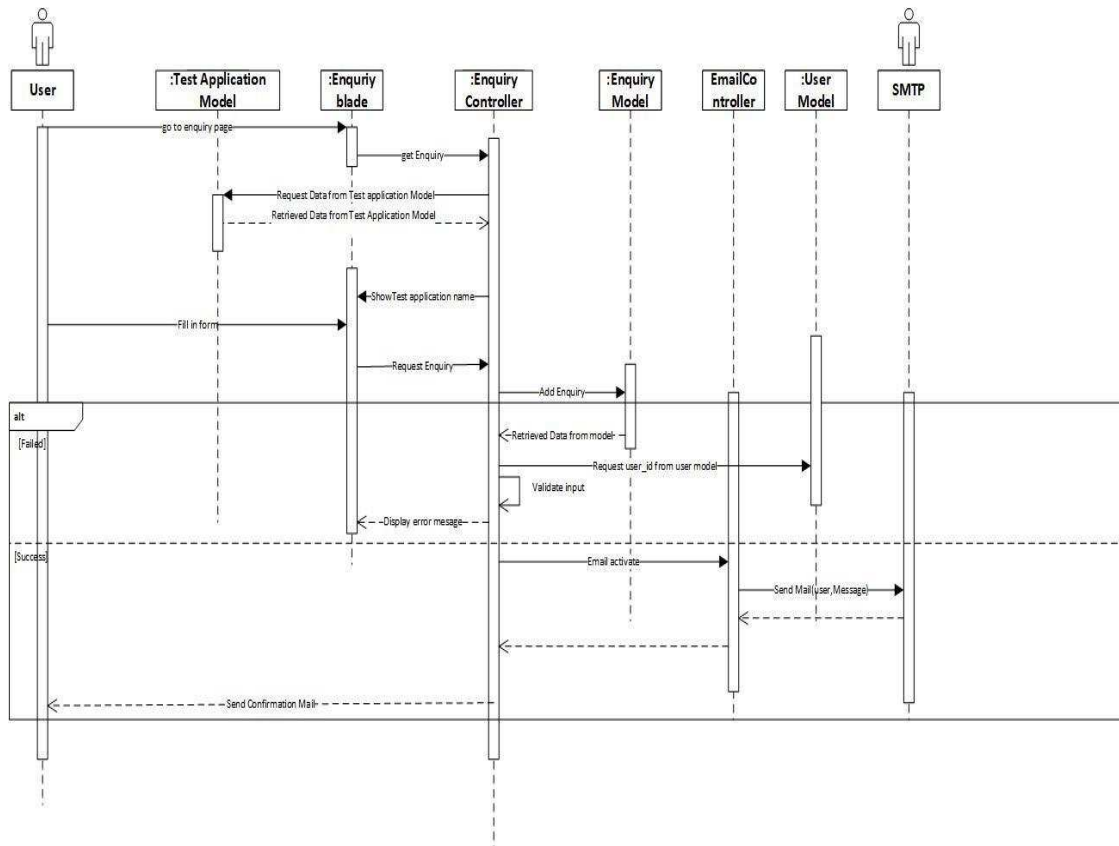
This Sequence Diagram below describes the process of requesting a demo by users.



**Figure 3.37 Submit Demo Sequence Diagram**

### 13. Submit Enquiry Sequence

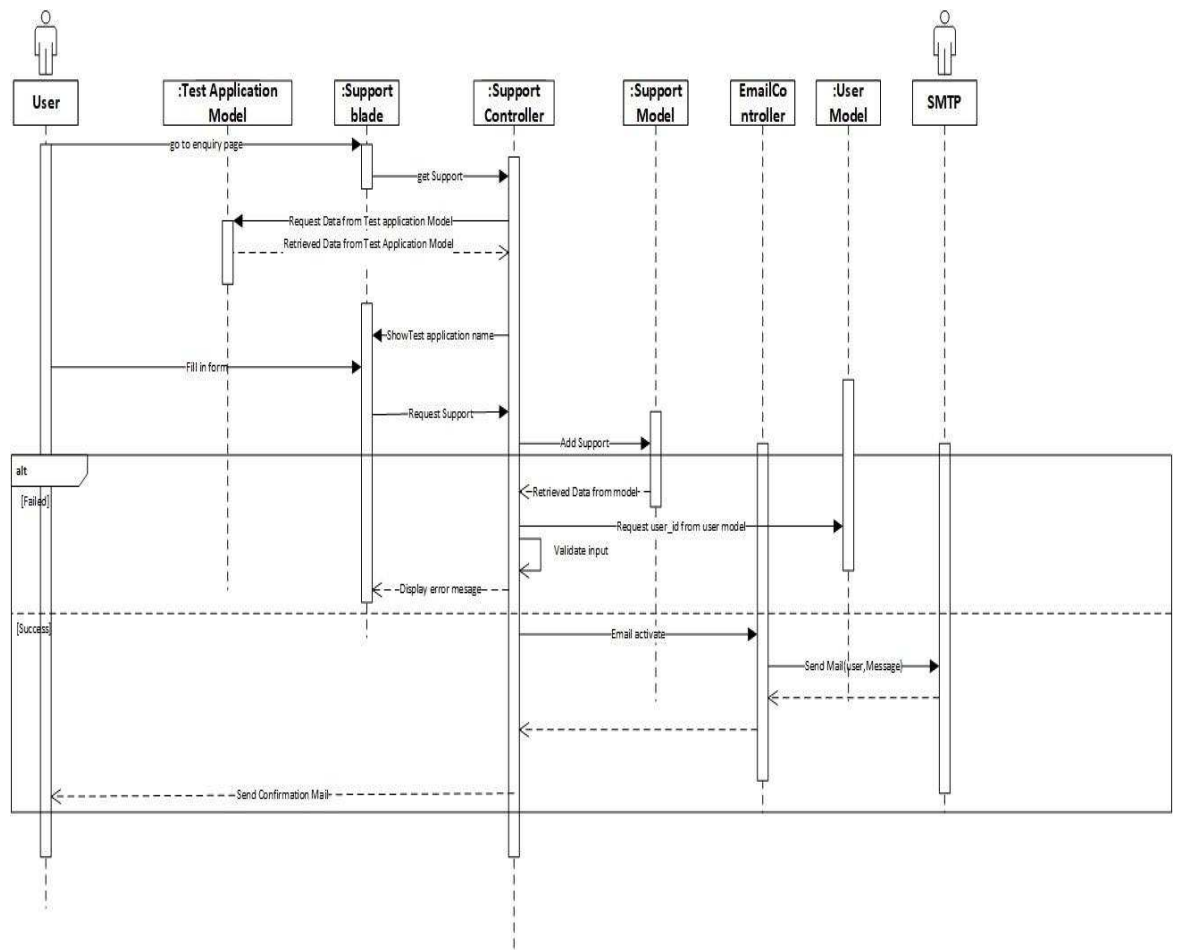
This Sequence Diagram below describe the process send and submitting an enquiry to company by users.



**Figure 3.38 Submit Enquiry Sequence Diagram**

#### 14. Submit Support Sequence

This Sequence Diagram below describes the process of submitting a support to admin by users.



**Figure 3.39 Submit Support Sequence Diagram**

## 15. Delete Support Sequence

This Sequence Diagram below describes the process of deleting support message by admin from users.

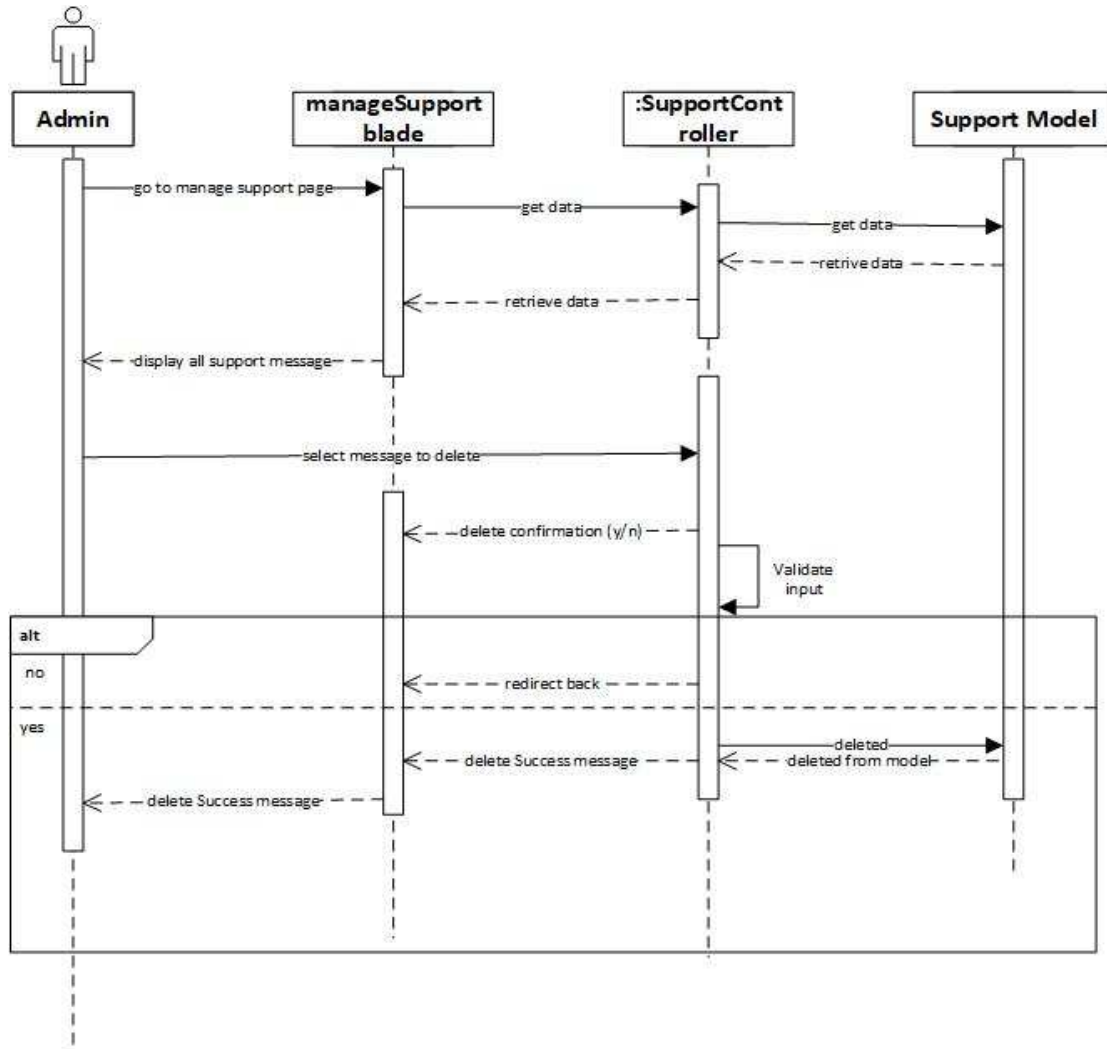
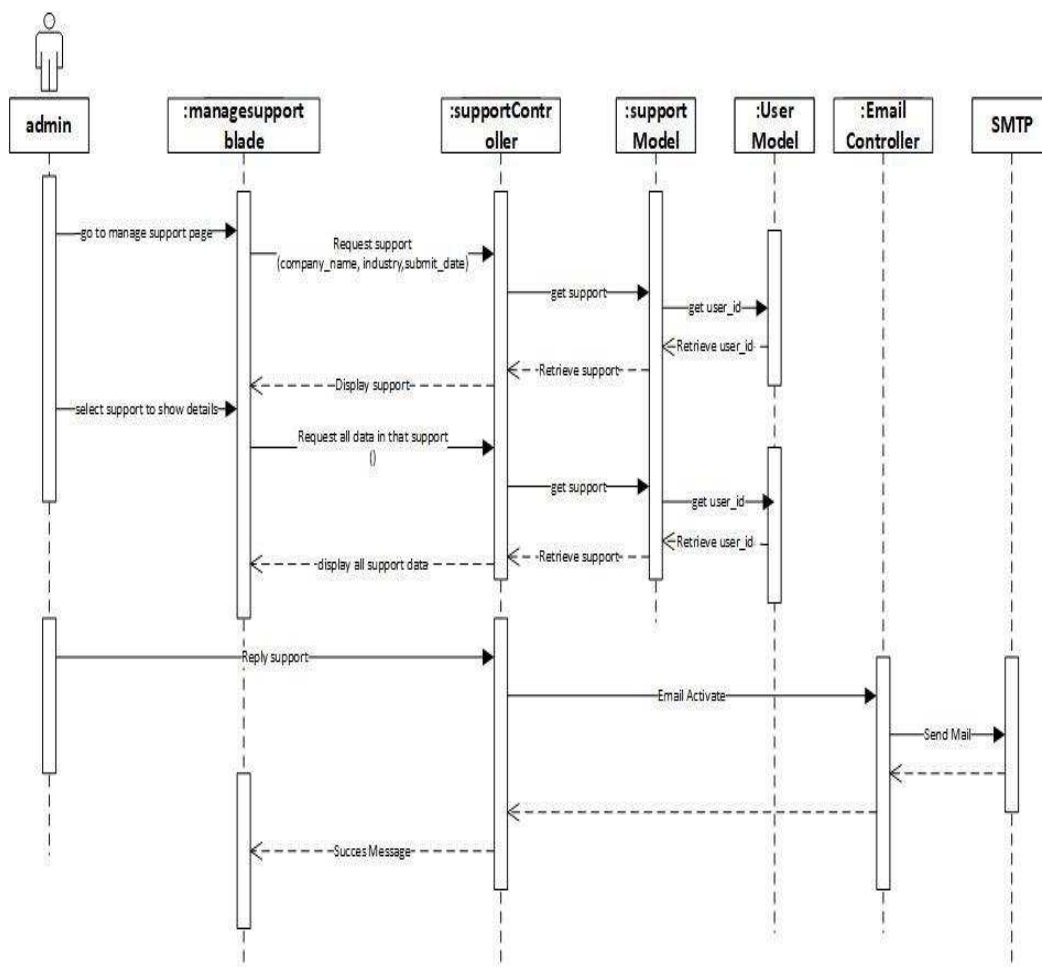


Figure 3.40 Delete Support Sequence Diagram



## 16. View Support sequence

This Sequence Diagram below describes the process of viewing a support by admin send from the customer.



**Figure 3.41 View Payment Sequence Diagram**

## 17. View Payment Sequence

This Sequence Diagram below describe the viewing a payment by users.

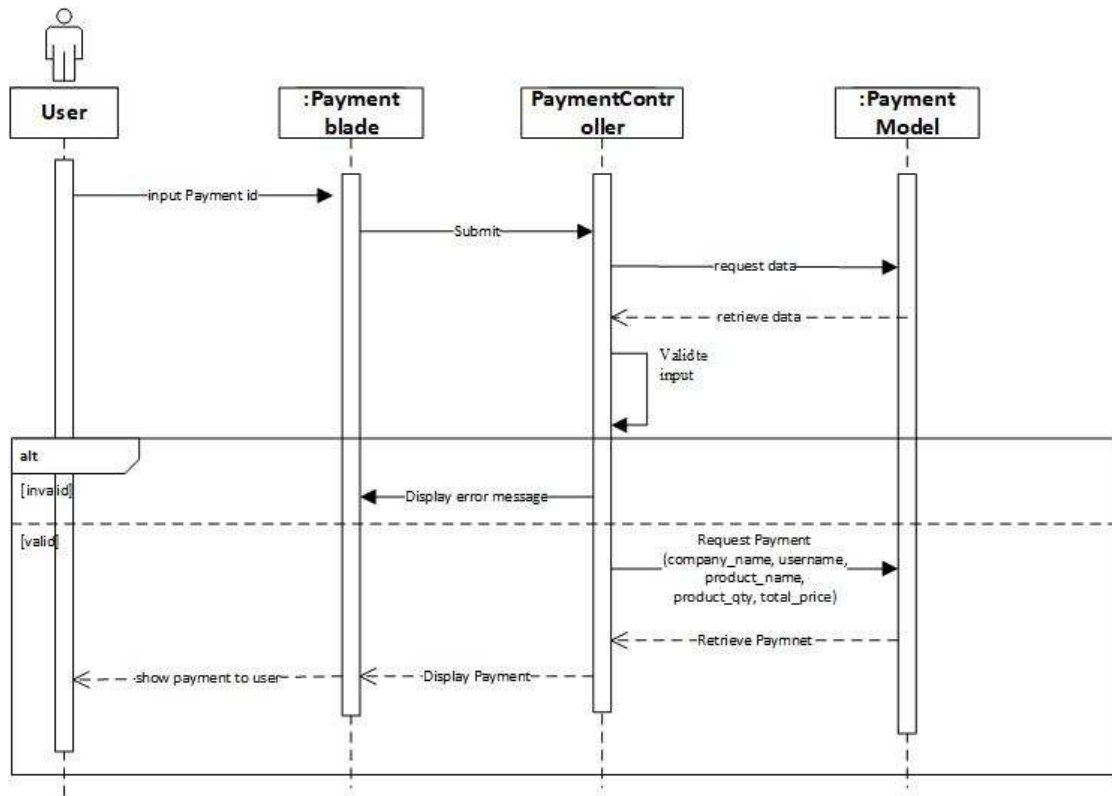
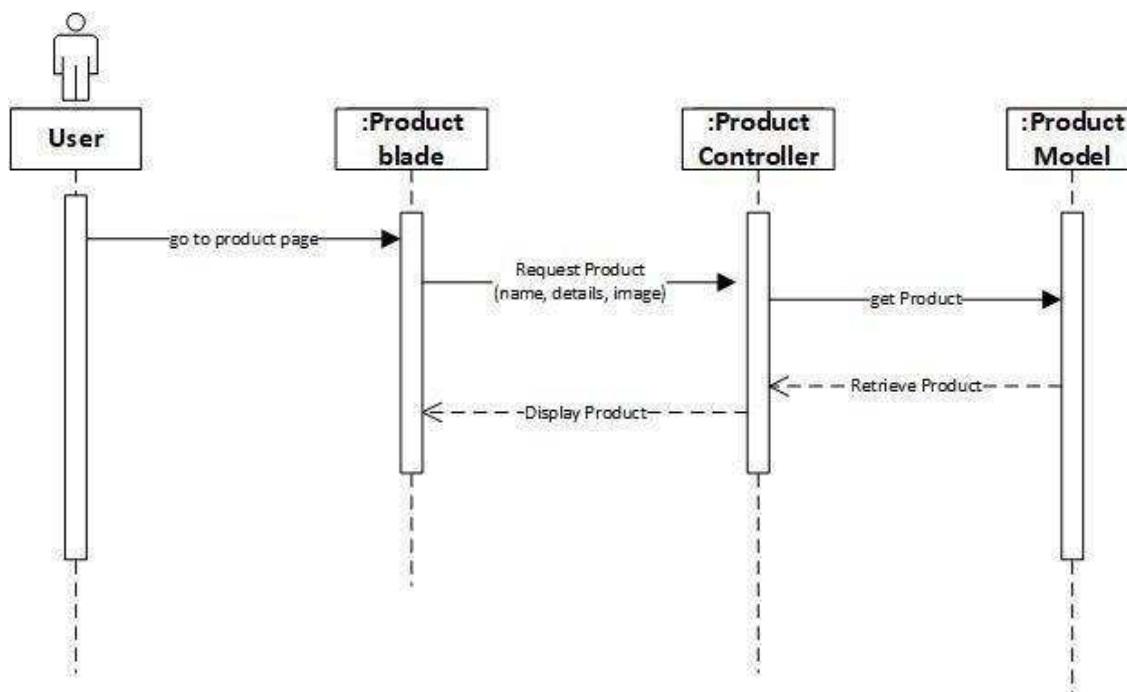


Figure 3.42 View Payment Sequence Diagram

## 18. View Product Sequence

This Sequence Diagram below describe the process of viewing all products by users.



**Figure 3.43 View Product Sequence Diagram**

## 19. Delete payment sequence

This Sequence Diagram below describe the process of deleting a payment by admin.

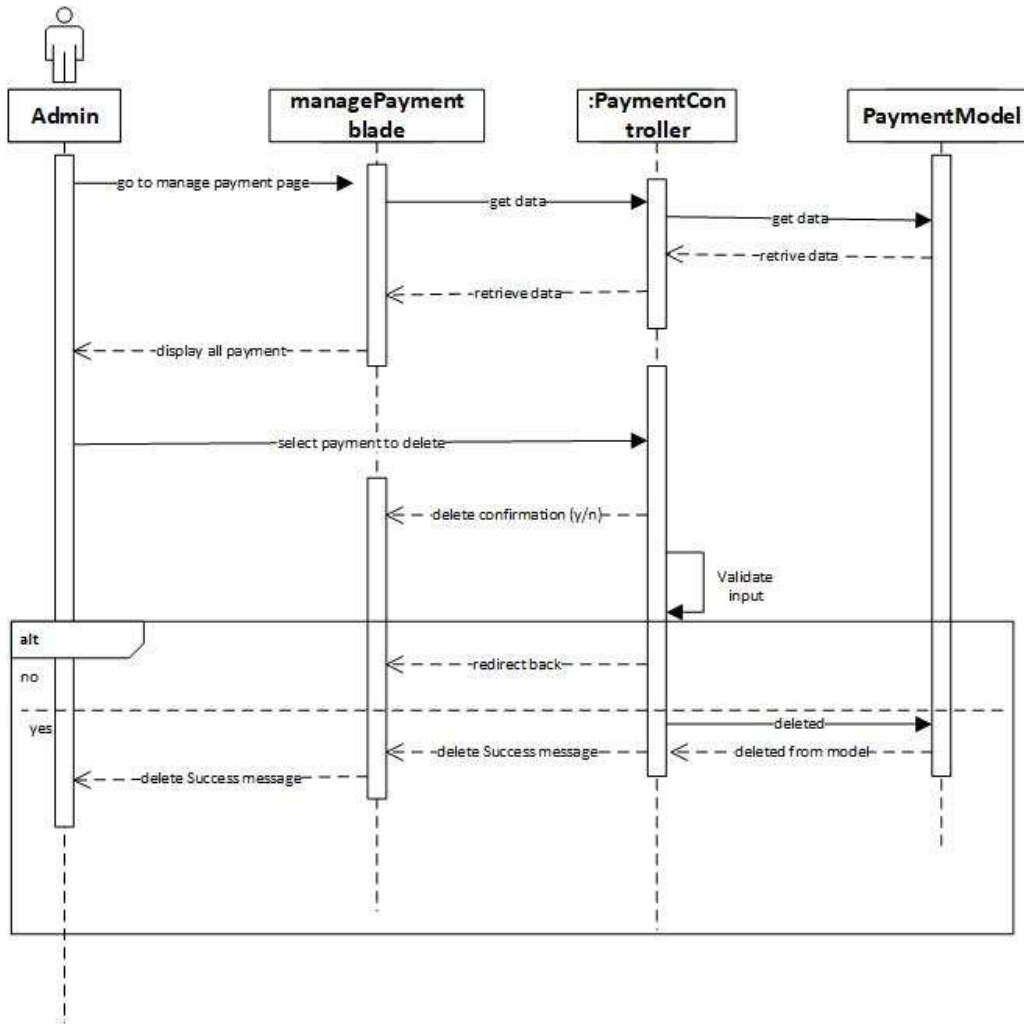


Figure 3.44 Delete Payment Sequence Diagram

## 20. Delete Demo sequence

This Sequence Diagram below describes the process of deleting a demo request by admin.

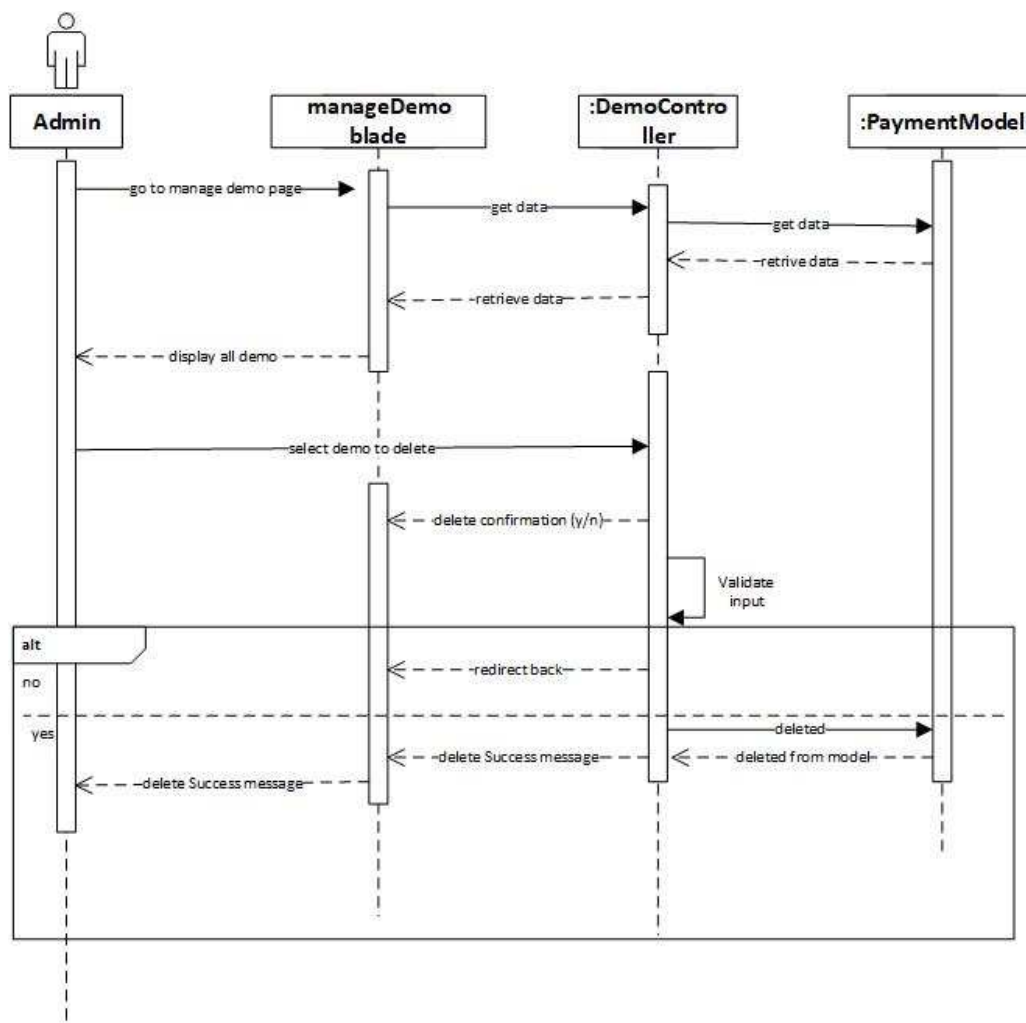
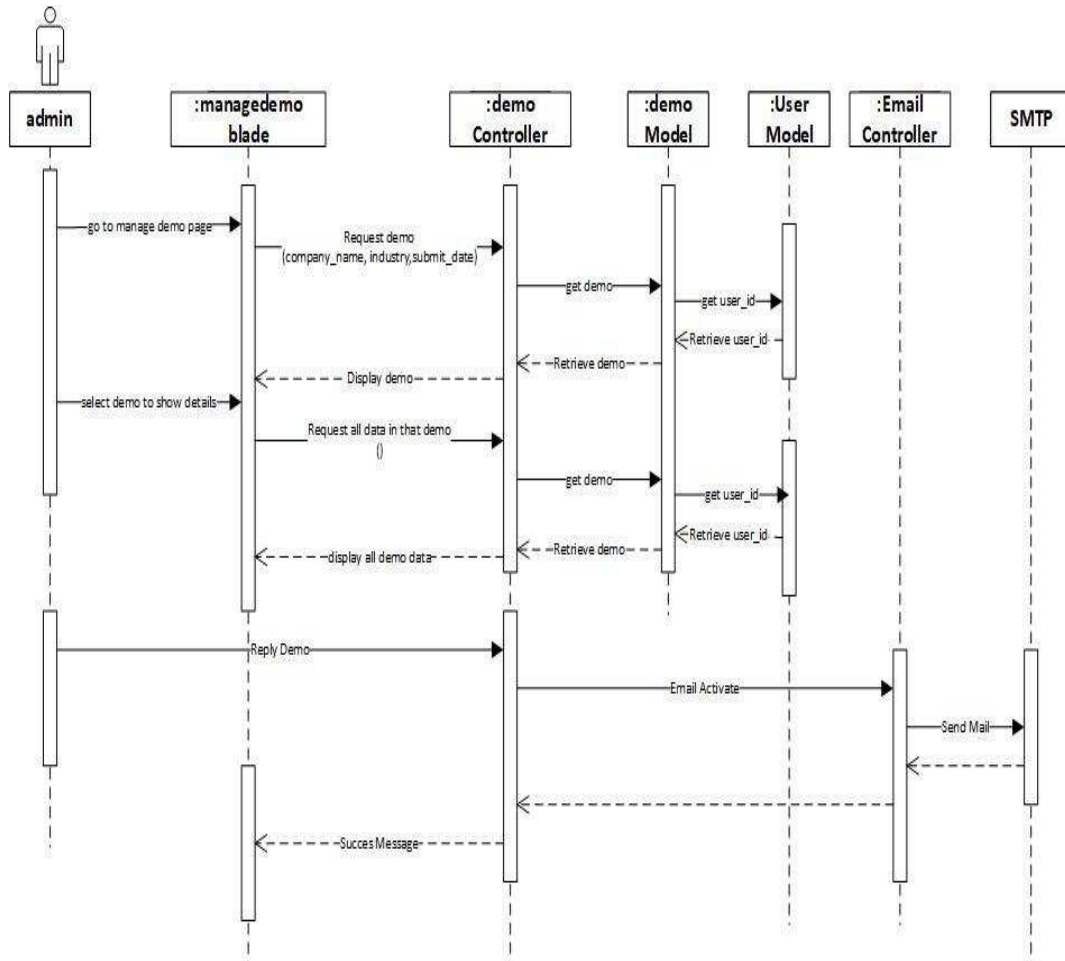


Figure 3.45 Delete Demo Sequence Diagram

## 21. View Demo Sequence

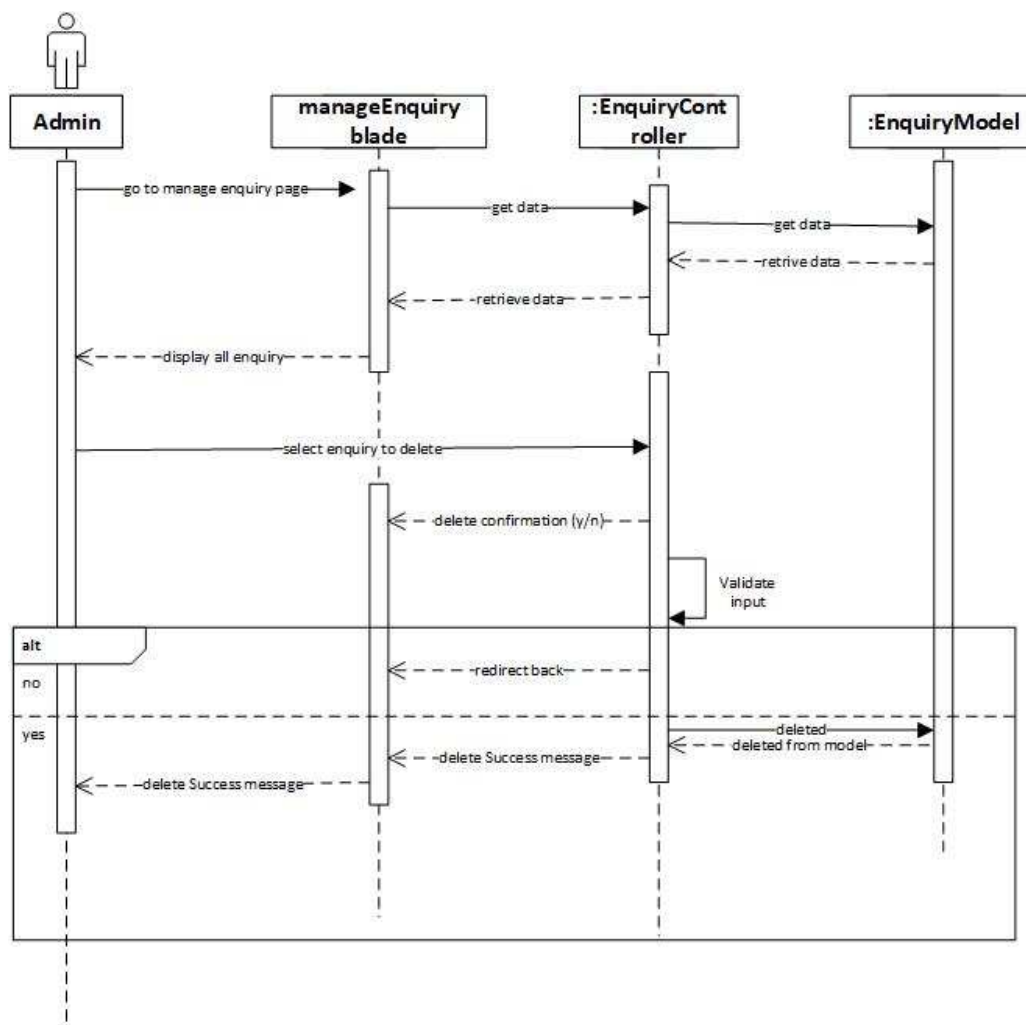
This Sequence Diagram below describe the process of viewing a demo by admin.



**Figure 3.46 View Demo Sequence Diagram**

## 22. Delete Enquiry Sequence

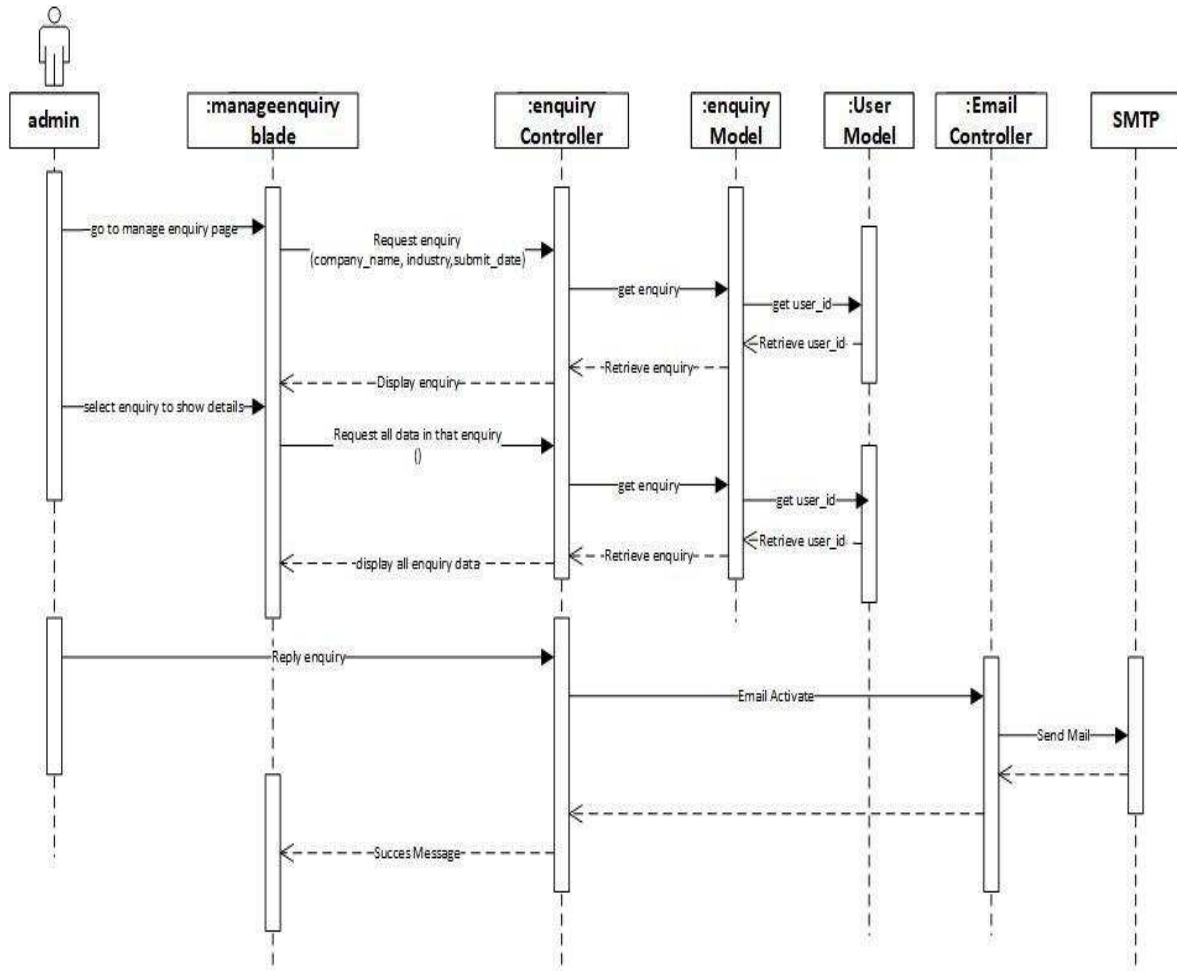
This Sequence Diagram below describe the process of deleting enquiry by admin send from users.



**Figure 3.47 Delete Enquiry Sequence Diagram**

### 23. View Enquiry Sequence

This Sequence Diagram below describe the process of viewing the payment by admin.

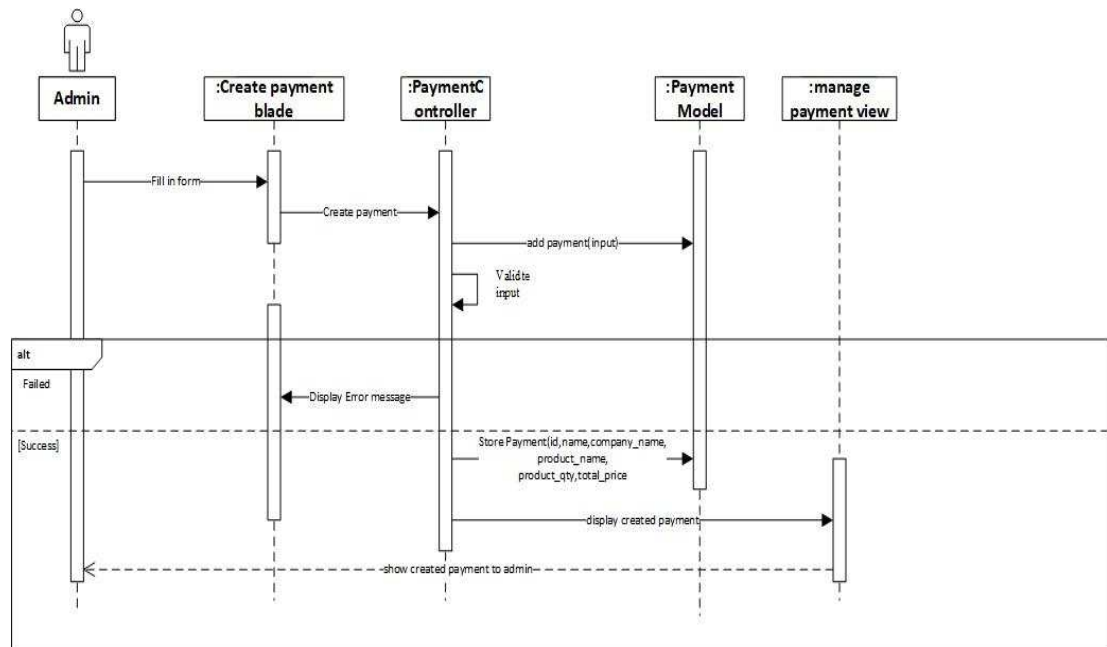


**Figure 3.48 View Enquiry Sequence Diagram**



## 24. Create Payment Sequence

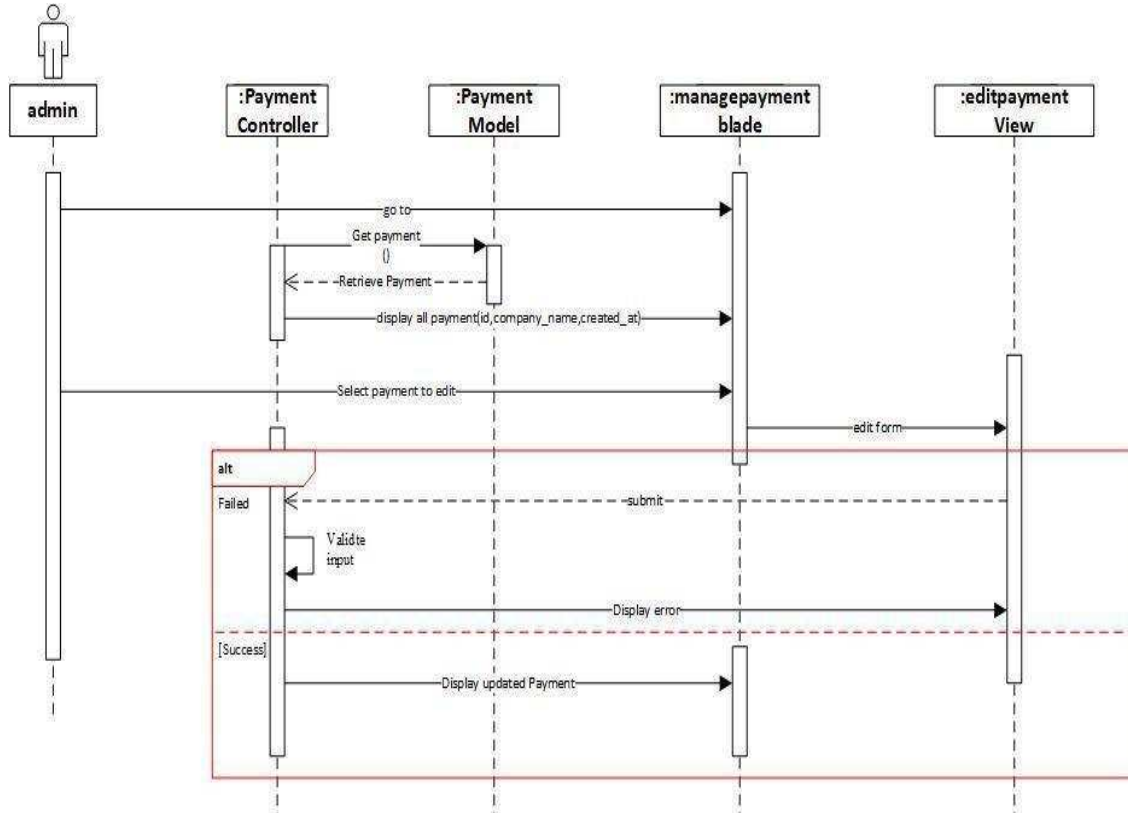
This Sequence Diagram below describes the process of creating a payment for users by admin.



**Figure 3.49 Create Payment Sequence Diagram**

## 25. Edit Payment Sequence

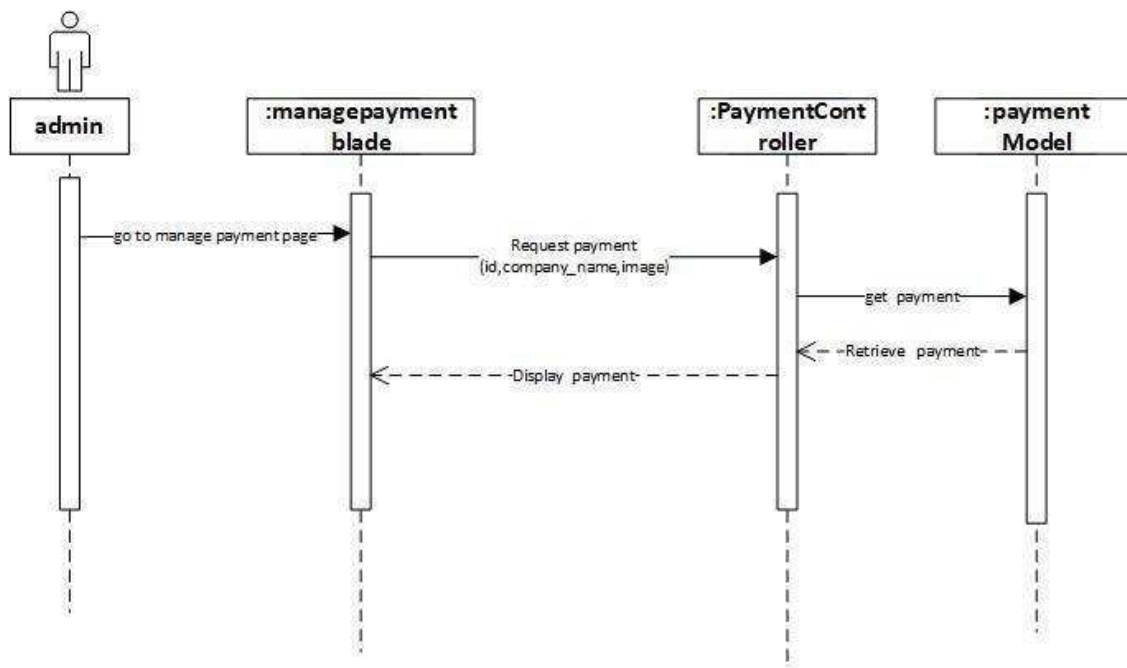
This Sequence Diagram below describes the process of editing a payment by admin.



**Figure 3.50 Edit Payment Sequence Diagram**

## 26. View Payment sequence

This Sequence Diagram below describes the process of viewing all payment by admin.



**Figure 3.51 View Payment Sequence Diagram**

## 27. Create Product Sequence

This Sequence Diagram below describes the process of creating a product by admin to post for users.

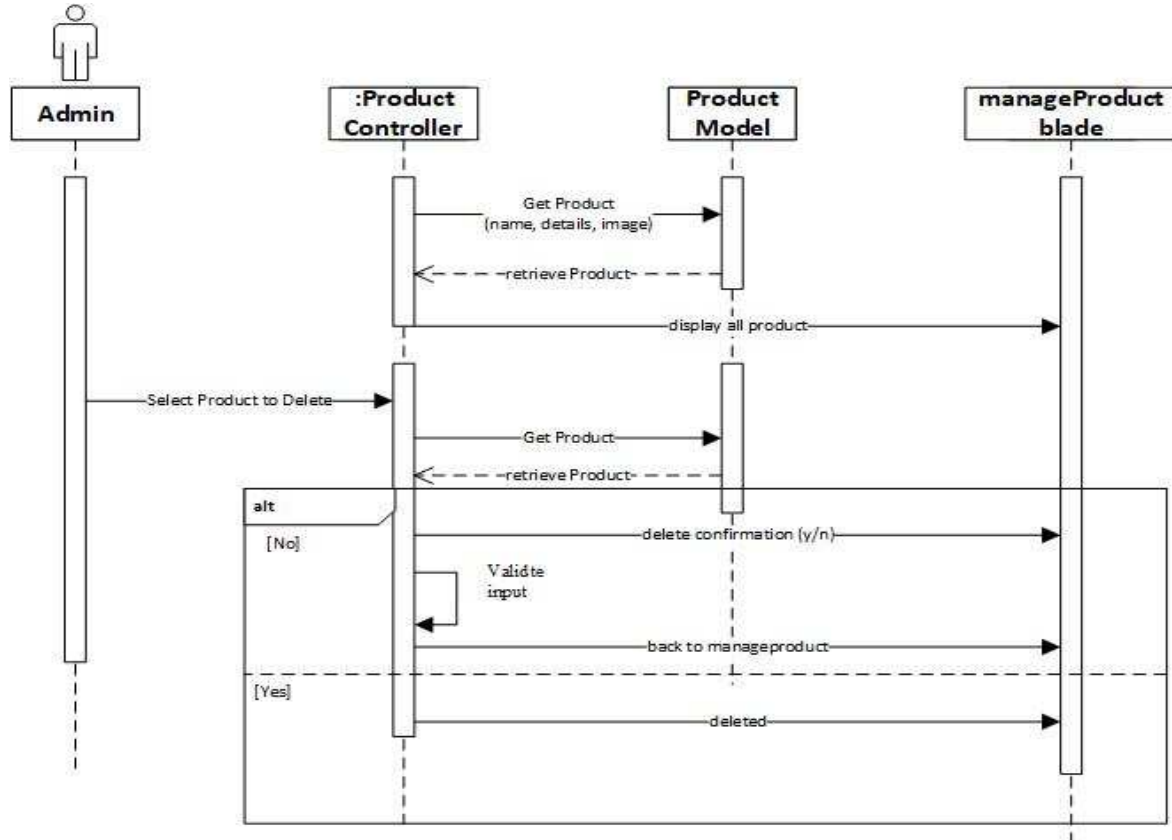
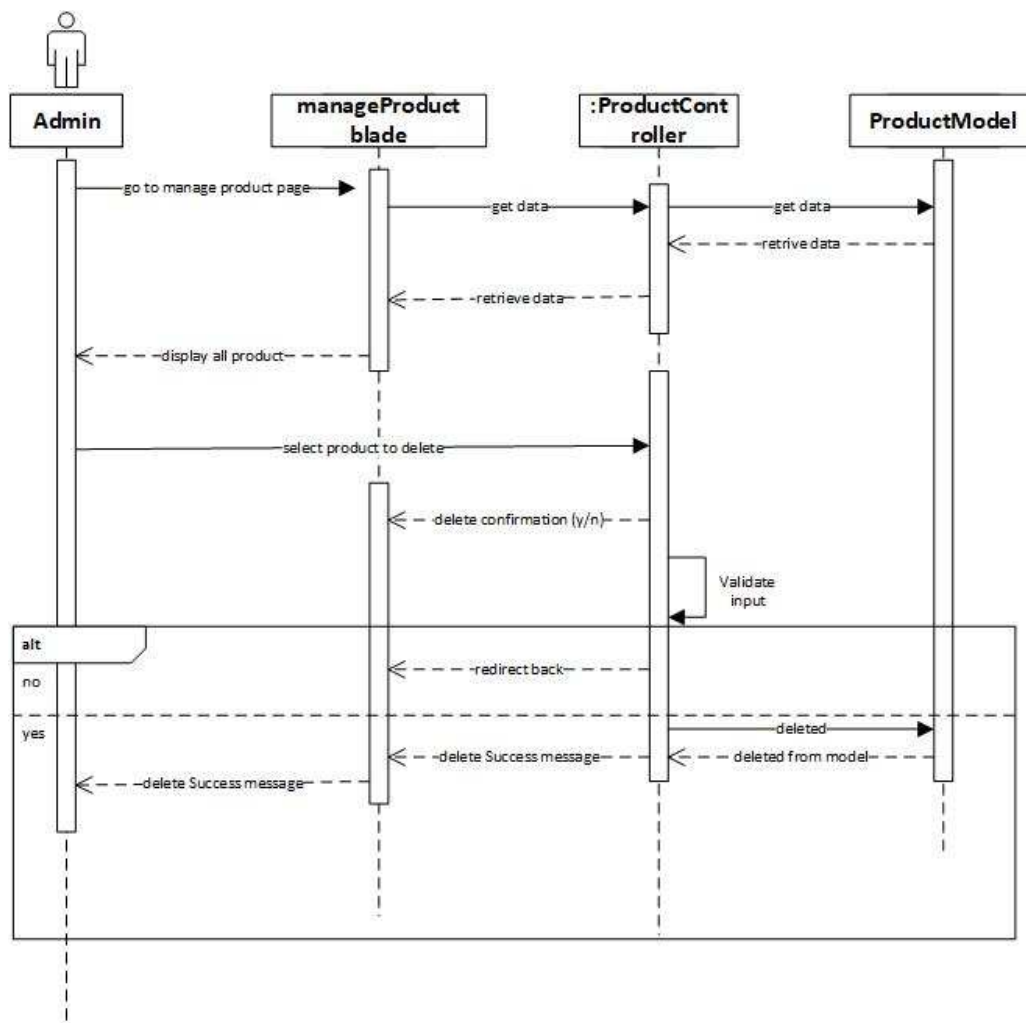


Figure 3.52 Create Product Sequence Diagram

## 28. Delete Product Sequence

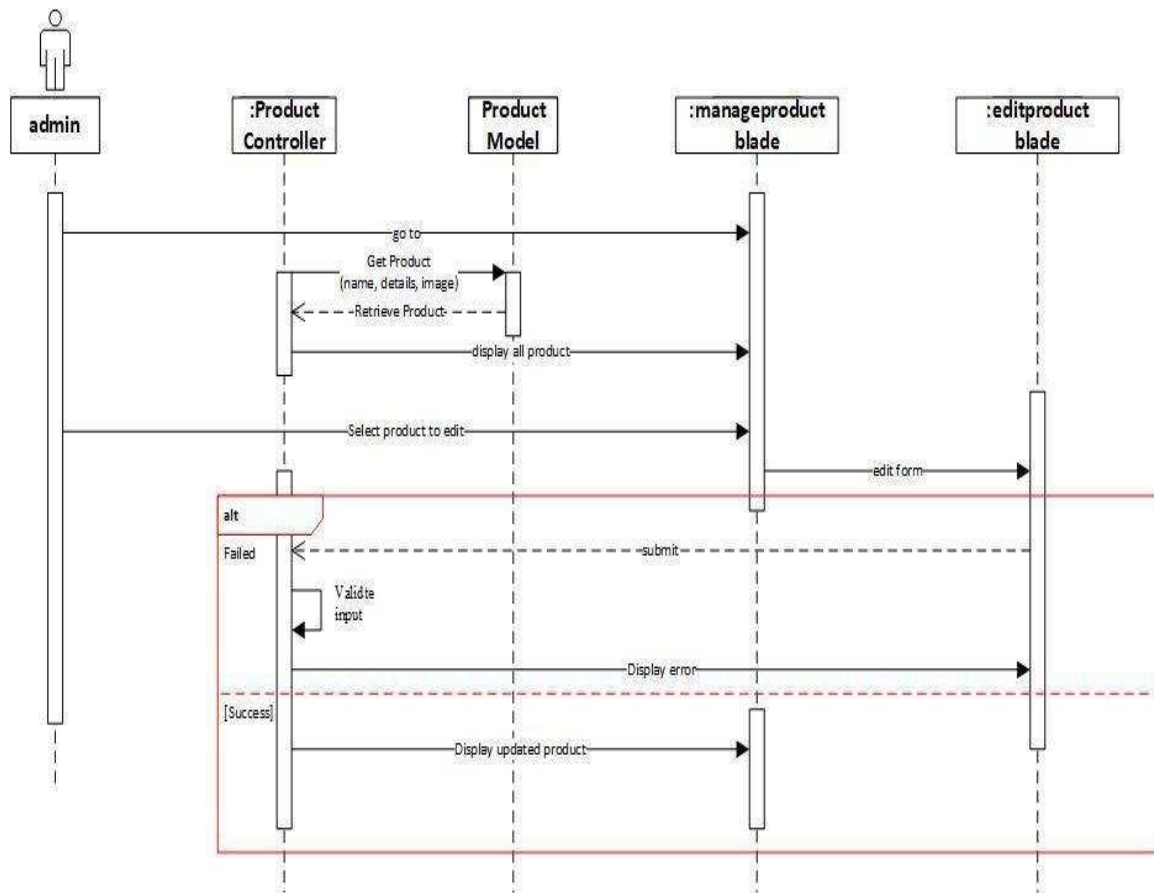
This Sequence Diagram below describes the process of deleting a product by admin



**Figure 3.53 Delete Product Sequence Diagram**

### 29. Edit Product Sequence

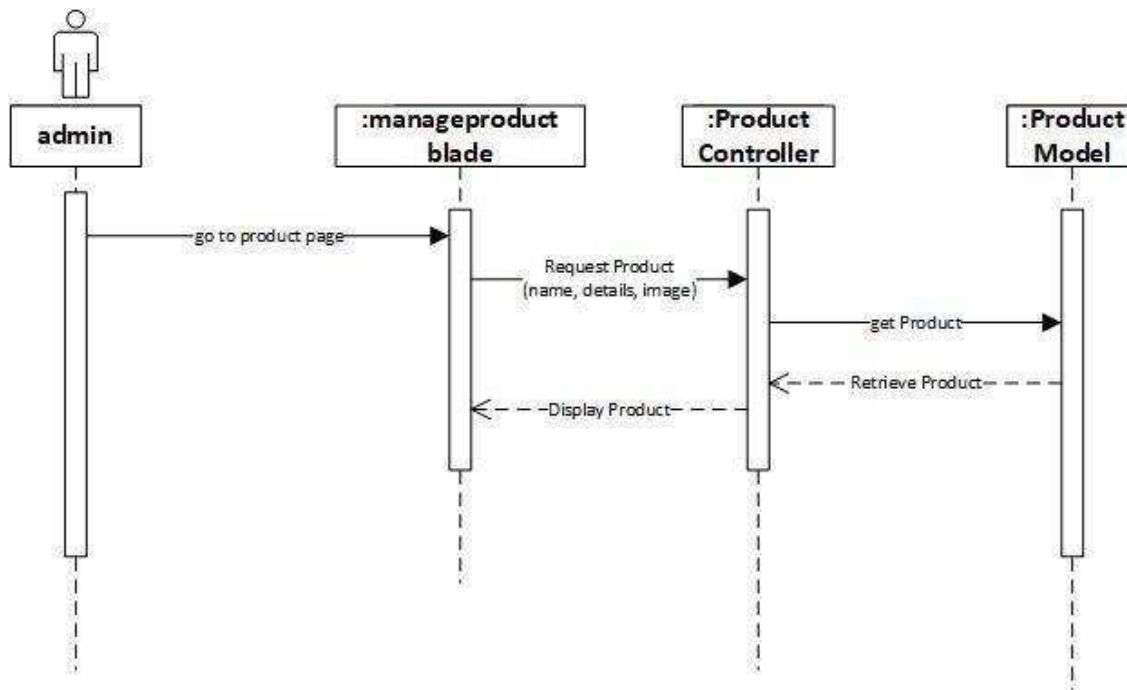
This Sequence Diagram below describe the process of editing product by admin.



**Figure 3.54 Edit Product Sequence Diagram**

### 30. View Product Sequence

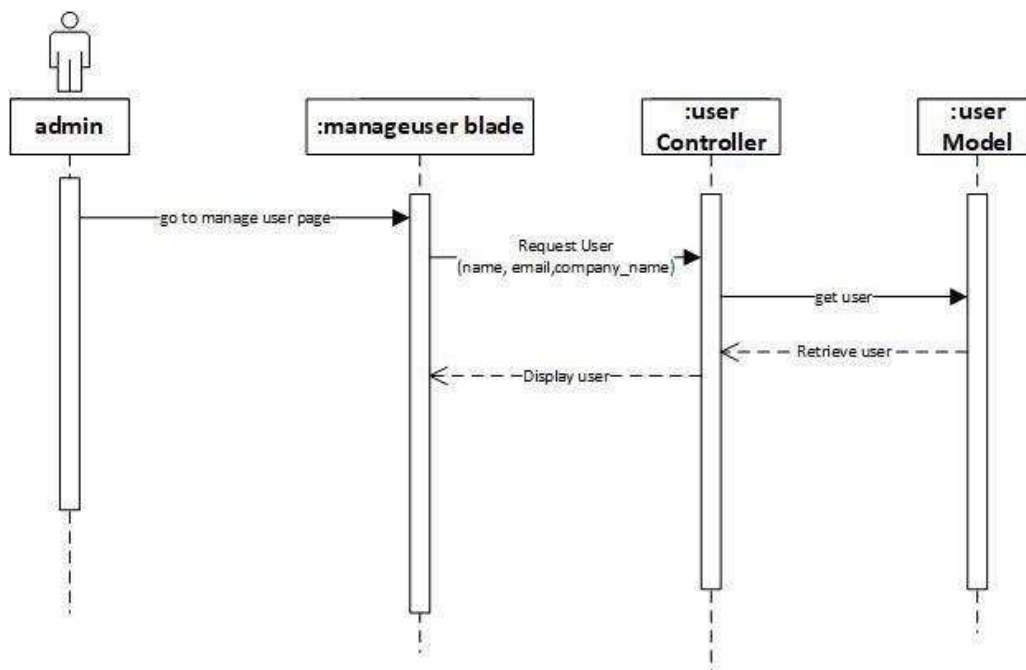
This Sequence Diagram below describes the process of viewing all the products by admin.



**Figure 3.55 View product Sequence Diagram**

### 31. Manage User (view) Sequence

This Sequence Diagram below describes the process of managing the users by admin.

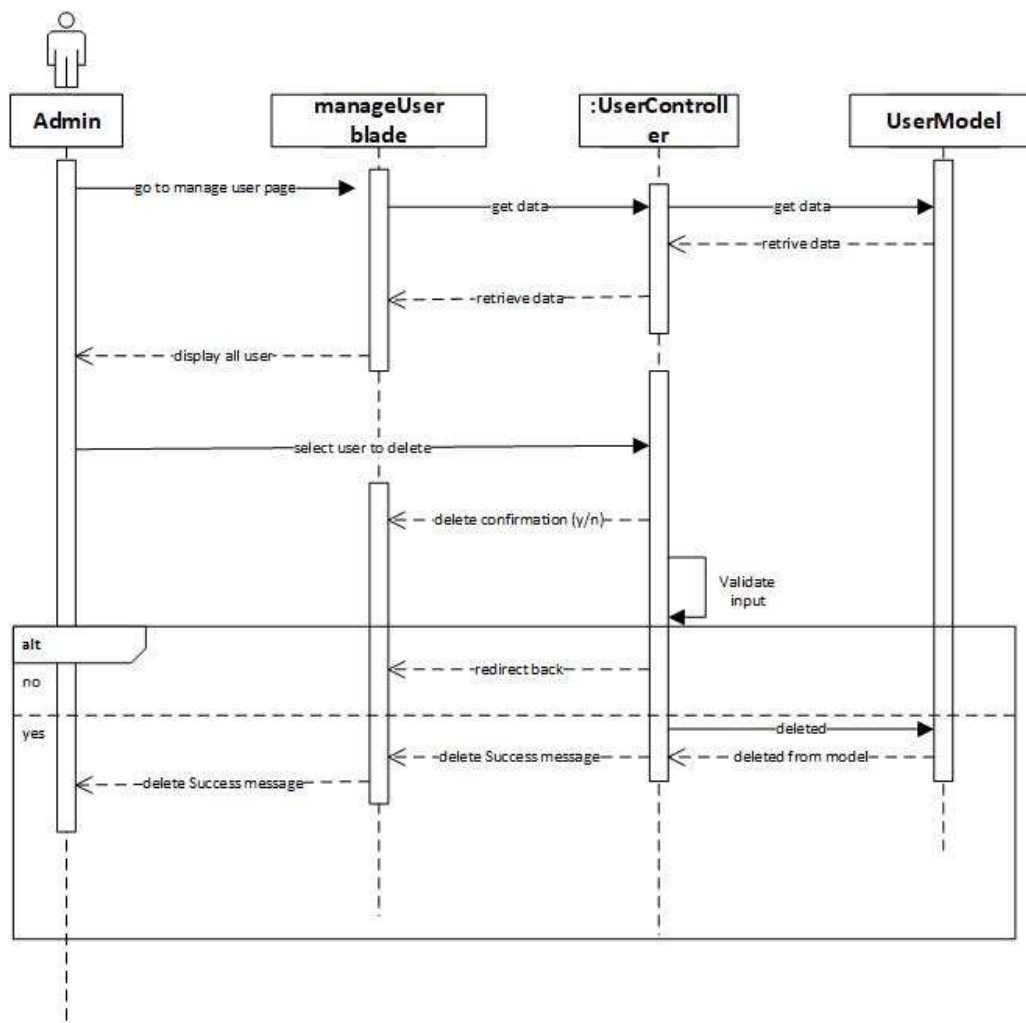


**Figure 3.56 Manage User View Sequence Diagram**



### 32. Manage User (Delete) Sequence

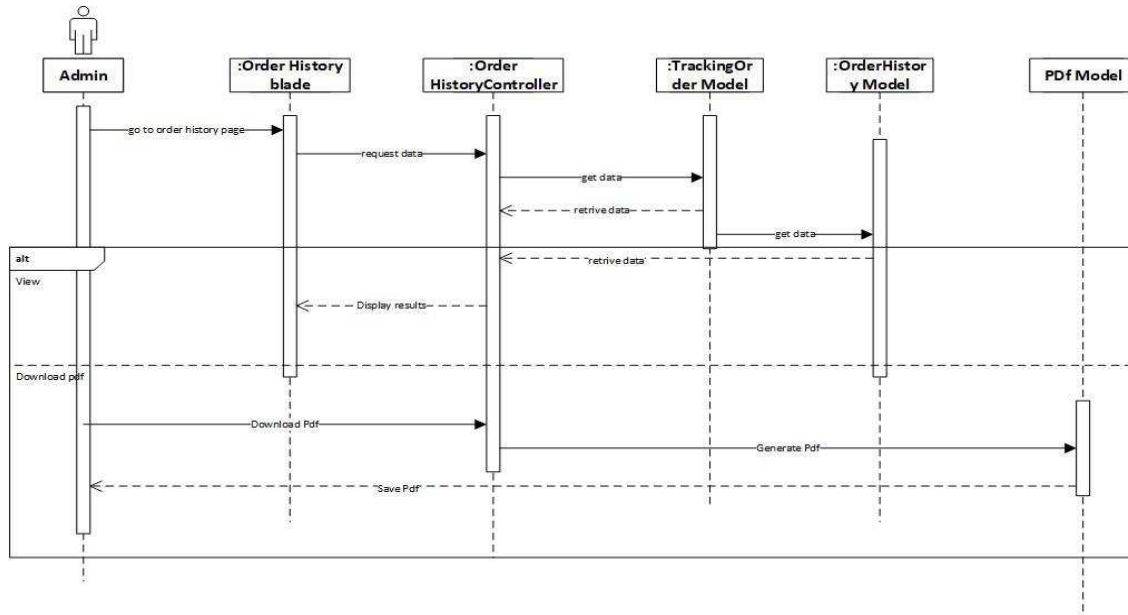
This Sequence Diagram below describe the process managing users by deleting unnecessary users by admin.



**Figure 3.57 Manage User Delete Sequence Diagram**

## 33. Order history

This Sequence Diagram below describes the process of viewing all of the order history by admin, and choose to download it as pdf or not.



**Figure 3.58 Order History Sequence Diagram**

### 34. Admin dashboard

This Sequence Diagram below describe the process the dashboard of admin homepage.

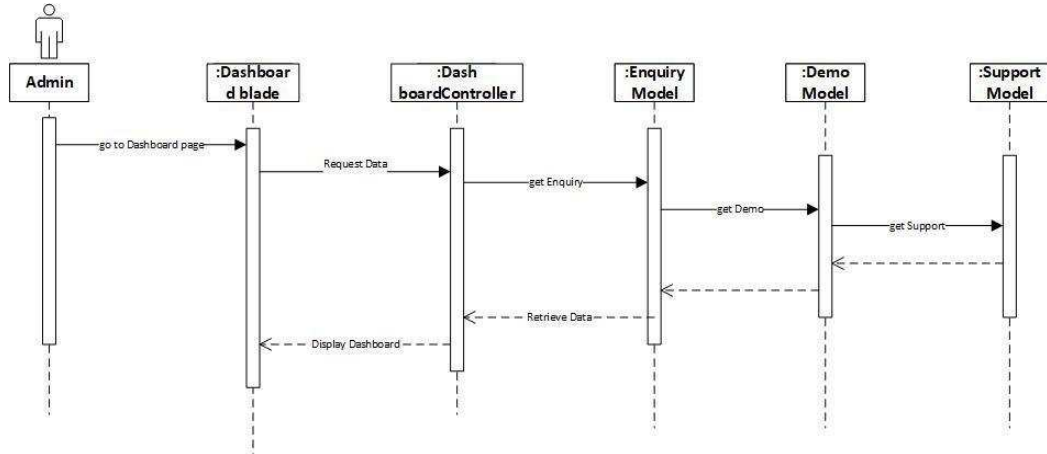
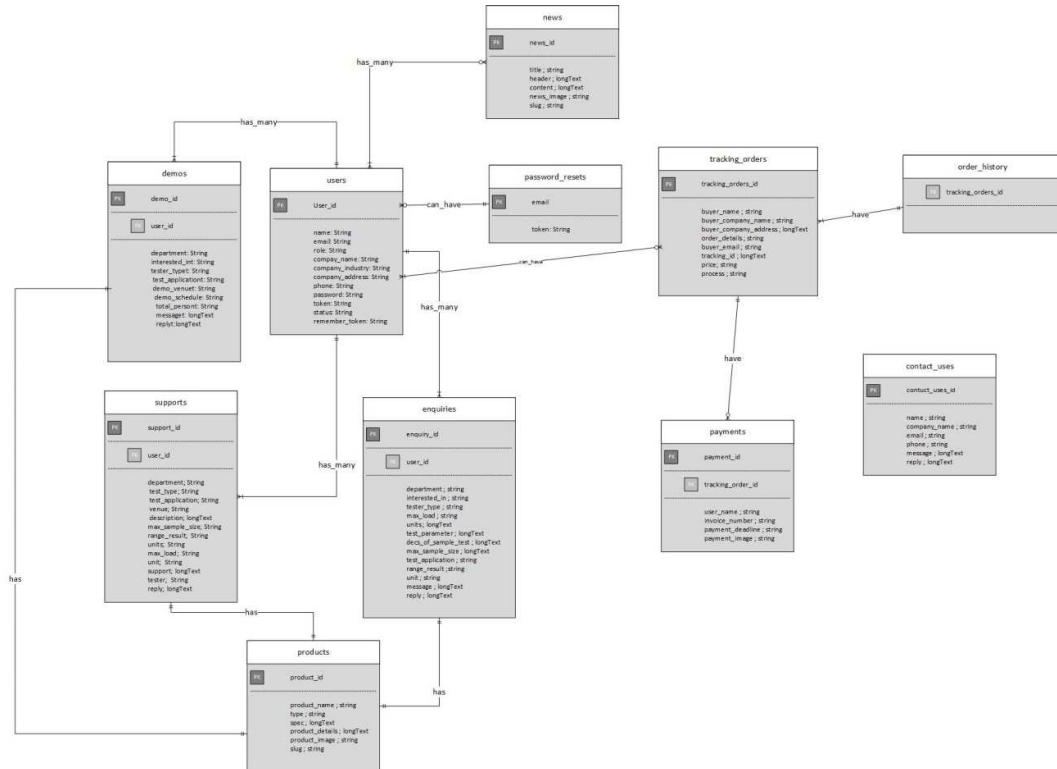


Figure 3.59 Admin Dashboard Sequence Diagram

### 3.3.5 Entity Relationship Diagram

This is the Entity Relationship Diagram of the application

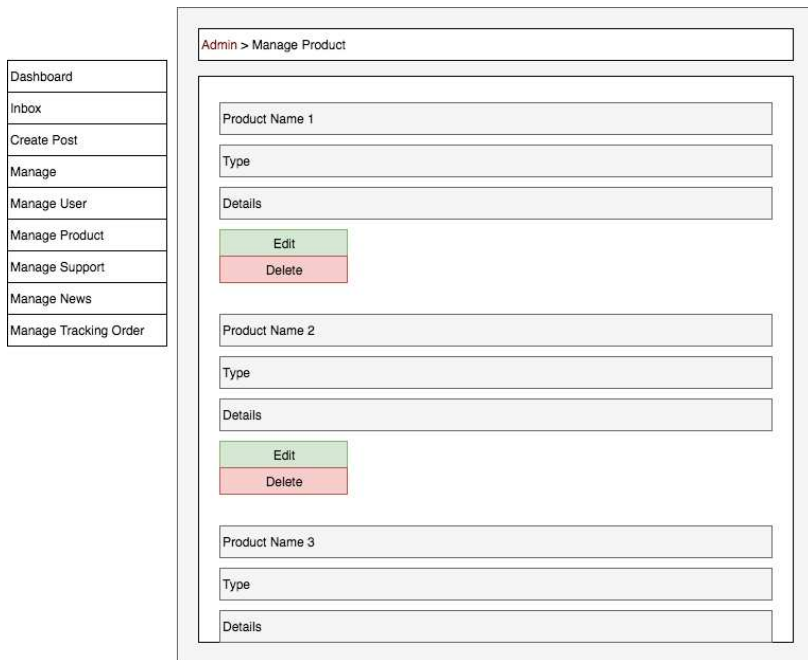


**Figure 3.60 Entity Relationship Diagram**

**3.4 User Interface (UI) Design**

- Admin

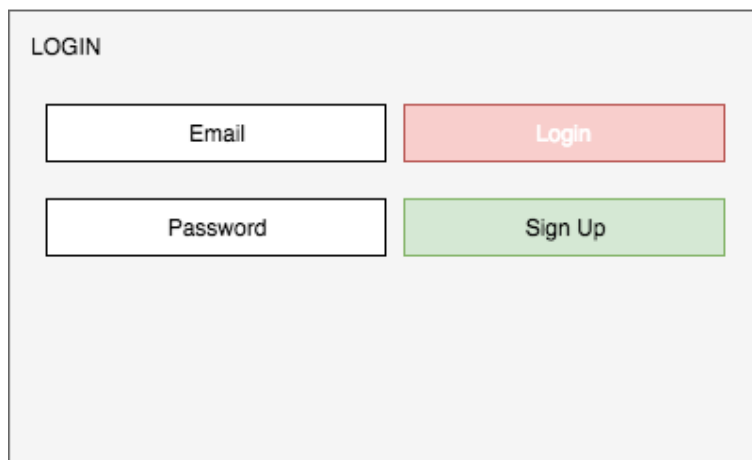
This is the mockup of manage product page



**Figure 3.61 Manage Product MockupPage**

This is the mockup of login page

MECMESIN ADMIN PANEL



**Figure 3.62 Login Mockup Page**

This is the mockup of Register page

#### MECMESIN ADMIN PANEL

### REGISTER

<input type="text" value="Name"/>	<input type="button" value="Login"/>
<input type="text" value="Email"/>	<input type="button" value="Sign Up"/>
<input type="text" value="Password"/>	
<input type="text" value="Repeat Password"/>	

**Figure 3.63 Register Mockup Page**

This is the mockup of Create product page

Dashboard	<div><p>Admin &gt; Create Products</p><p>Product Name:</p><input type="text"/> <div style="border: 1px solid black; height: 100px; width: 100%; text-align: center;">Product Details</div><input type="button" value="Submit"/></div>
Inbox	
Create post	
Products	
News	
Tracking Order	
Manage	

**Figure 3.64 Create Product Mockup Page**

This is the mockup of Create tracking order page

Dashboard
Inbox
Create post
Products
News
Tracking Order
Manage

Admin > Create Tracking Order

Input Name

Input Company Name

Input Company Address

Input Product Details

Input Status Order

Submit

**Figure 3.65 Create Tracking Order Mockup Page**

This is the mockup of Dashboard page

Dashboard
Inbox
Create post
Manage

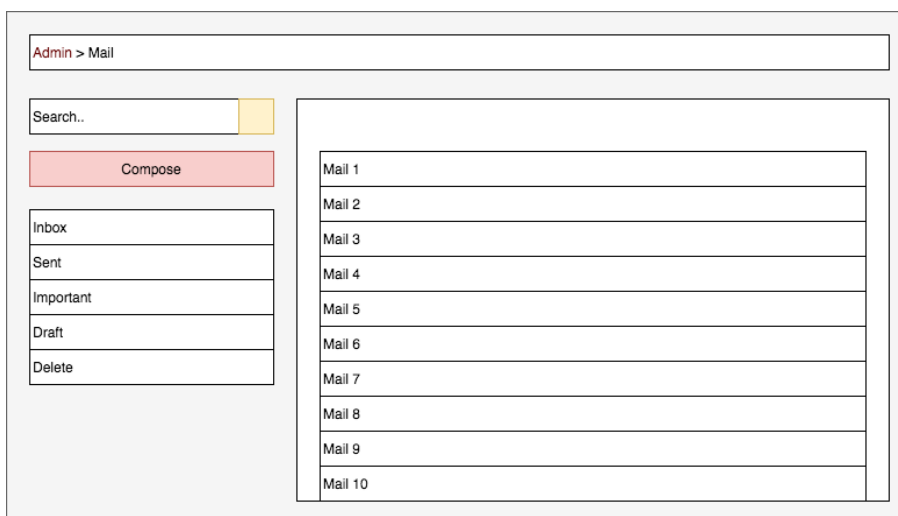
Home > Dashboard

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis porta a est quis hendrerit. Duis elementum nisi ac laoreet luctus. Mauris fribus nulla enim, vitae fringilla metus auctor vel. Nullam et malesuada nisi, id convallis purus. Fusce ante nunc, feugiat a congue vel, ullamcorper sed erat. Aenean consectetur vulputate ante sit amet pretium. Integer malesuada porta mattis.

Vivamus dapibus nisi id lectus accumsan, commodo maximus nunc mollis. Aliquam eu nibh dictum, ultricies tellus at, tempus nisi. Ut iaculis pretium risus, in consequat quam vulputate id. Ut a vulputate justo. Pellentesque sit amet felis ut velit suscipit placerat. Proin elit metus, eleifend sed mattis sit amet, pulvinar congue magna. Aliquam vestibulum odio nisi, ut auctor leo tristique nec. Proin non cursus nulla. Fusce sed rutrum libero, eu maximus ante. Vestibulum vitae scelerisque sem. Cras convallis tincidunt tempor. Praesent euismod urna a tortor tincidunt, et vehicula purus vestibulum. Sed gravida non ligula rutrum hendrerit. Phasellus ultricies, tortor vitae eleifend pulvinar, leo purus efficitur leo, vel hendrerit dolor nunc id augue. Suspendisse a dui justo.

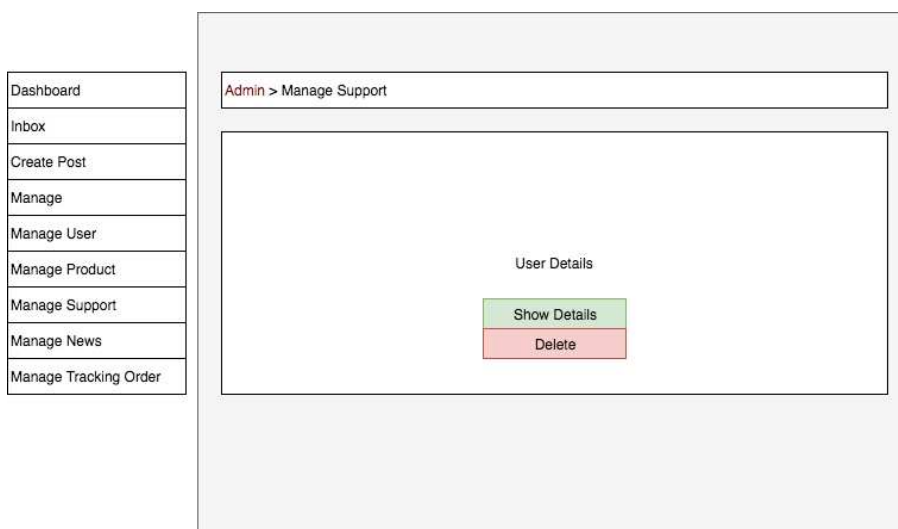
**Figure 3.66 Dashboard Mockup Page**

This is the mockup of Manage contact page



**Figure 3.67 Manage Contact Mockup Page**

This is the mockup of manage support page



**Figure 3.68 Manage Support Mockup Page**

This is the mockup of Manage user page

Dashboard	Admin > Manage User
Inbox	
Create Post	
Manage	
Manage User	User Details
Manage Product	
Manage Support	
Manage News	
Manage Tracking Order	

**Figure 3.69 Manage User Mockup Page**

This is the mockup of Create news page

Dashboard	Admin > Post a News
Inbox	
Create post	
Products	
News	
Tracking Order	
Manage	

Input Title

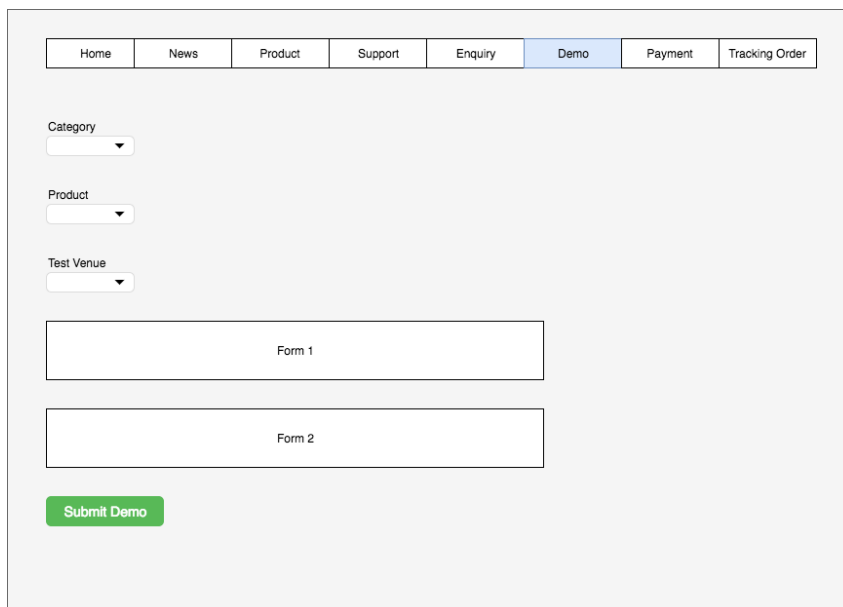
Content

**Figure 3.70 Create News Mockup Page**



- User

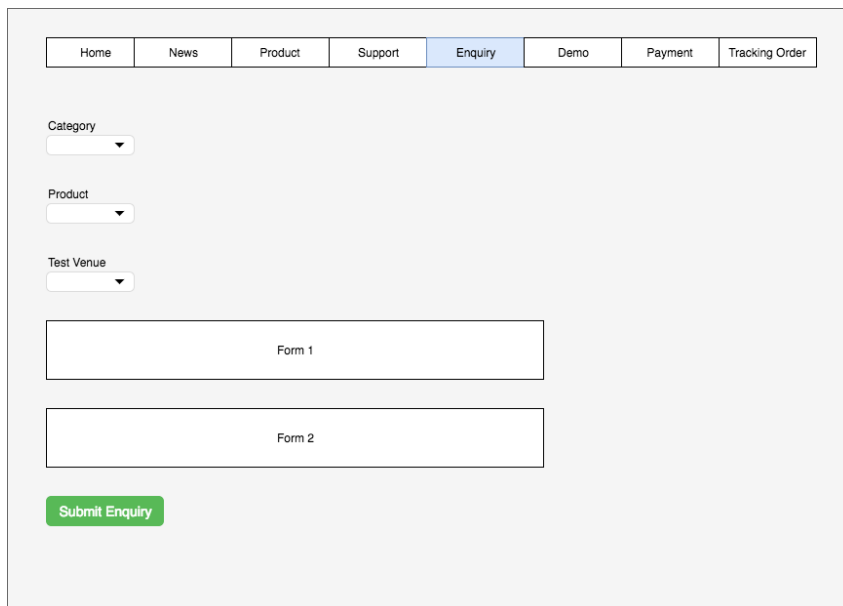
This is the mockup of Demo page



The mockup shows a navigation bar with links: Home, News, Product, Support, Enquiry, Demo (highlighted), Payment, and Tracking Order. Below the navigation bar are three dropdown menus labeled Category, Product, and Test Venue. Underneath these are two rectangular form fields labeled Form 1 and Form 2. At the bottom left is a green button labeled Submit Demo.

**Figure 3.71 Submit Demo Mockup Page**

This is the mockup of Enquiry page



The mockup shows a navigation bar with links: Home, News, Product, Support, Enquiry (highlighted), Demo, Payment, and Tracking Order. Below the navigation bar are three dropdown menus labeled Category, Product, and Test Venue. Underneath these are two rectangular form fields labeled Form 1 and Form 2. At the bottom left is a green button labeled Submit Enquiry.

**Figure 3.72 Submit Enquiry Mockup Page**

## This is the mockup of Home page

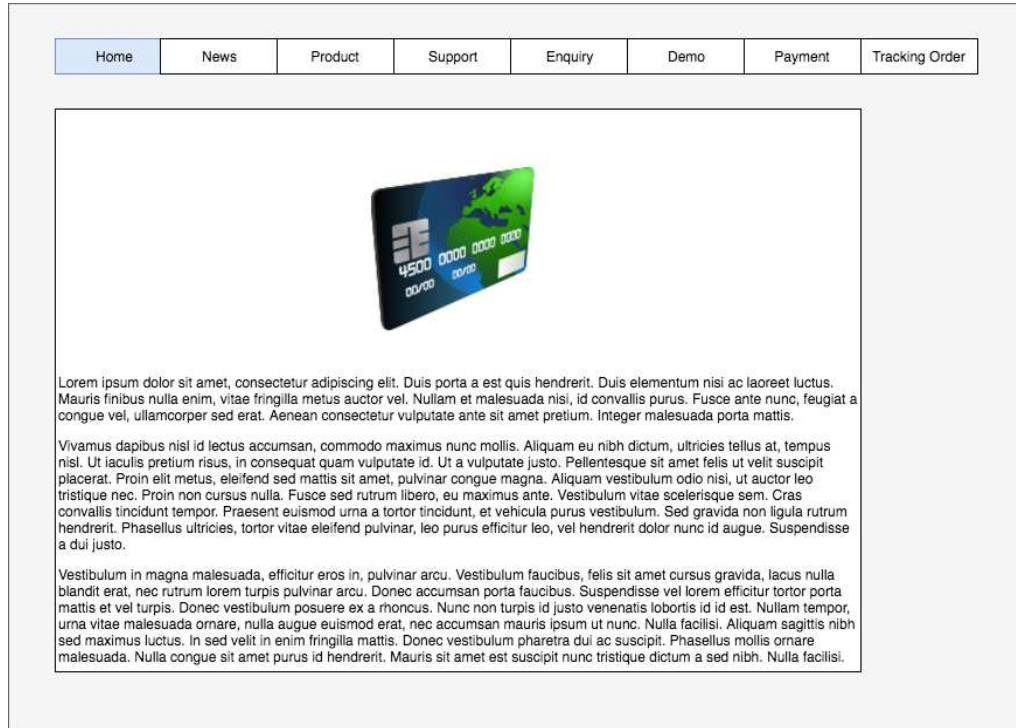


Figure 3.73 Homepage Mockup Page

## This is the mockup of News page

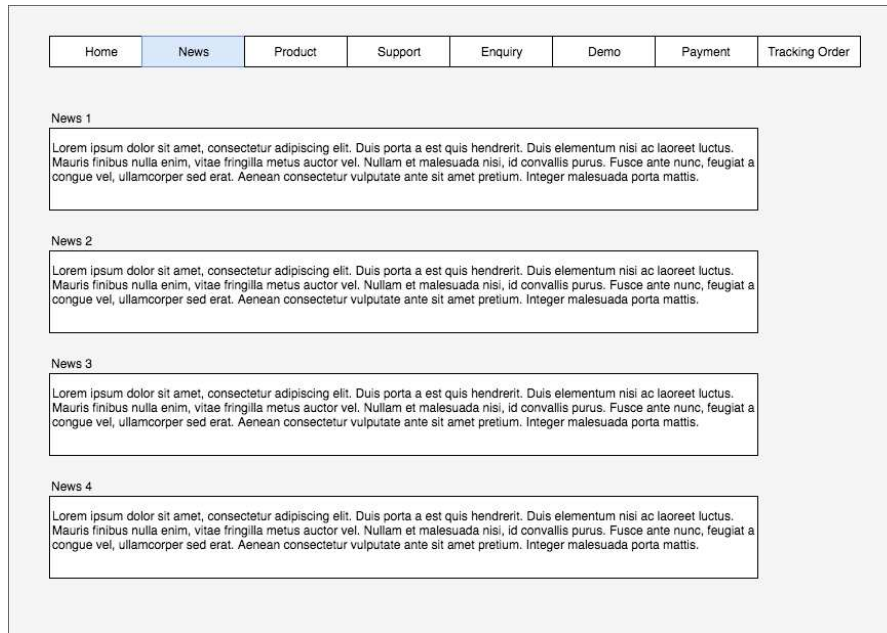


Figure 3.74 News Mockup Page

This is the mockup of View payment page

Home	News	Product	Support	Enquiry	Demo	Payment	Tracking Order
------	------	---------	---------	---------	------	---------	----------------

Input Payment Code

Order Details

**Figure 3.75 View Payment Mockup Page**

This is the mockup of View product page

Home	News	Product	Support	Enquiry	Demo	Payment	Tracking Order
------	------	---------	---------	---------	------	---------	----------------

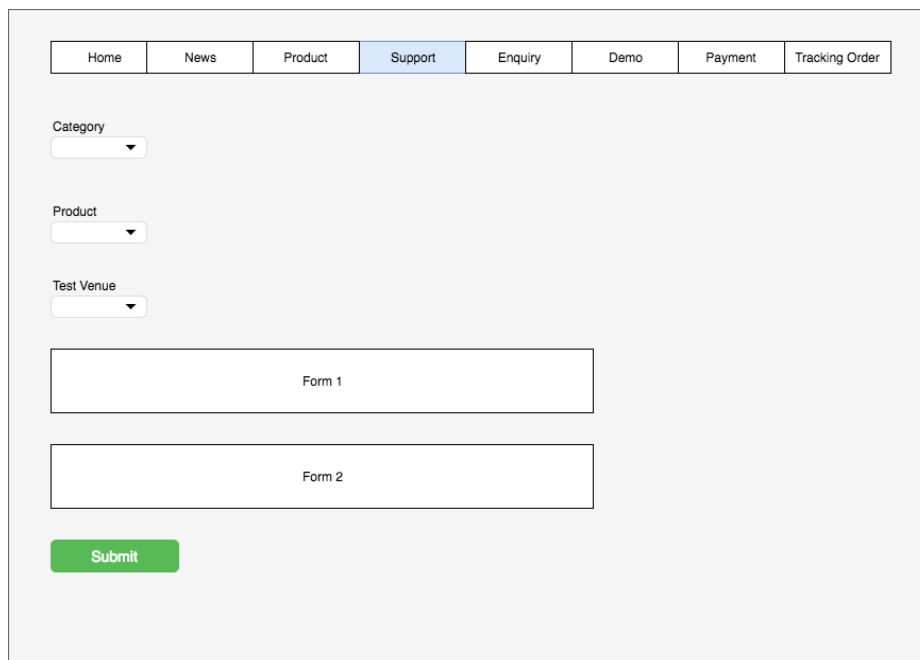
Search Product

Product Details

**Figure 3.76 Product Mockup Page**

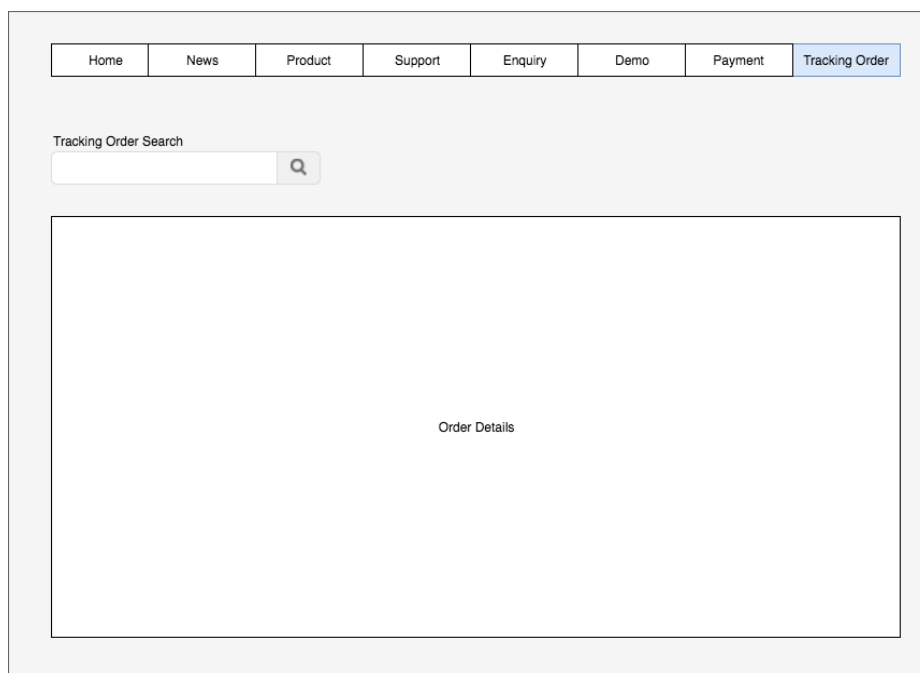
This is the mockup of Support page



The mockup shows a navigation bar with links: Home, News, Product, Support (highlighted), Enquiry, Demo, Payment, and Tracking Order. Below the navigation bar are three dropdown menus labeled Category, Product, and Test Venue. Underneath these are two rectangular form boxes labeled Form 1 and Form 2. At the bottom left is a green Submit button.

**Figure 3.77 Submit Support Mockup Page**

This is the mockup of Tracking order page



The mockup shows a navigation bar with links: Home, News, Product, Support, Enquiry, Demo, Payment, and Tracking Order (highlighted). Below the navigation bar is a search field labeled Tracking Order Search with a magnifying glass icon. Below the search field is a large rectangular area labeled Order Details.

**Figure 3.78 Tracking Order Mockup Page**

This is the mockup of Edit profile page

**EDIT PROFILE**

Change Email	Change Company Name
<input type="text"/>	<input type="text"/>
Change Company Address	Change Phone
<input type="text"/>	<input type="text"/>
Change Password	
<input type="text"/>	
Confirm Password	
<input type="text"/>	

**Figure 3.79 Edit Profile Mockup Page**

