



Inventory Market Analysis System

Submitted by

Dipak Debnath
ID: 181-35-2455
Department of Software Engineering
Daffodil International University

Supervised by

Mr. Md. Shohel Arman
Lecturer (Senior Scale)
Faculty of Science and Information Technology
Department of Software Engineering
Daffodil International University

Fall- 2021

A project (SE 431) submitted in fulfillment of the requirements for the
degree of B.Sc. in Software Engineering

APPROVAL

This project titled on “**Inventory Market Analysis**”, submitted by **Dipak Debnath, 181-35-2455** to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfilment of the requirements for the degree of Bachelor of Science in Software Engineering and approval as to its style and contents.

BOARD OF EXAMINERS



Chairman

Dr. Imran Mahmud
Associate Professor and Head
Department of Software Engineering
Daffodil International University



Internal Examiner 1

Kaushik Sarker
Assistant Professor
Department of Software Engineering
Daffodil International University



Internal Examiner 2

Md. Shohel Arman
Senior Lecturer
Department of Software Engineering
Daffodil International University



External Examiner

Md. Fazle Munim
Technology Expert
Access to Information (a2i) Programme

DECLARATION

It here by declares that this project has been done by **Dipak Debnath** under the supervision of **Mr. Md. Shohel Arman, Senior Lecturer**, Department of Software Engineering, Daffodil International University. It also declares that neither this project nor any part of this has been submitted elsewhere for award of any degree.



Student Name: Dipak Debnath

Student ID: 181-35-2455

Batch: 25th

Department of Software Engineering

Faculty of Science & Information Technology

Daffodil International University

Certified by:



Mr. Md. Shohel Arman

Senior Lecturer

Department of Software Engineering

Faculty of Science & Information Technology

Daffodil International University

ACKNOWLEDGEMENT

In this present world of competition there is race of existence in which those are having will come to forward succeed. Project is a bridge between theoretical and practical working. With this willing I joined this particular project. First, I would like to thank the supreme power the Almighty ALLAH who is obviously the one who is guided me to work on the right path of life. Without his grace this project could not become a reality. Next to him are my parents, whom I am greatly indebted for brought up with love and encouragement to this stage.

I am feeling oblige in talking the opportunity to study in Daffodil International University. I would like to sincerely thank to Associate Professor Dr. Imran Mahmud, Head, and Department of Software Engineering. All The honorable teachers who teach me such an interesting and understandable way full of enjoyment. I am grateful to having them in my journey.

I am exceptionally obligated to Daffodil International University for their direction and steady supervised on By **Mr. Md. Shohel Arman** and in addition for giving necessary information with respect to the venture and additionally for their help in finishing the project.

I am grateful to my Department staff members, Lab technicians and Non-teaching staff members for their extreme help throughout my project.

Finally, I would like to express my love to my batch mate, member of DIU for their kind co-operation and consolation which help me in finishing of this task.

ABSTRACT

“Inventory” This is a system that is helpful for businesses, where shoppers can keep track of purchases and sales. Market analysis can be done based on buying and selling, through which we can understand the current market situation, inventory is important in running a large retail store, stock management is a very difficult business for our people but we can manage stock very easily through inventory. And the retailer will be alerted by looking at the quantity of stock when it is time to rearrange the stock. Large shipments can be easily tracked through this inventory. There is a possibility of error due to manual calculation. Inventory systems help reduce the risk of errors. In retail stores, an inventory system helps track the theft of merchandise, providing valuable information about store profits and the need for anti-theft measures. The inventory management system works by scanning a barcode on the item. The system may contain a list of items drawn up for purchase and shipping. Inventory management systems can serve a variety of functions in this case. This can help an employee identify items on the warehouse order list, keep an accurate count of buying and selling items. These purchased items can be removed from the inventory tally. All of these data work together to provide real-time inventory tracking information to businesses. The inventory system makes it easy to identify and analyze inventory information in real-time with a database search. And based on this buying and selling, we can do our market analysis, we can easily know the current state of our market, the demand of the people.

Table of Contents

APPROVAL	i
DECLARATION	i i
ACKNOWLEDGEMENT.....	iii
ABSTRACT.....	iv
TABLE OF CONTENTS	v
LIST OF TABLES	viii
LIST OF FIGURES	ix
CHAPTER 1: INTRODUCTION	01
1.1 Project Overview	01
1.2 Project Purpose	01
1.2.1 Background	01
1.2.2 Benefits & Beneficiaries	01
1.2.3 Goals	01
1.3 Stakeholders	01
1.5 Project Schedule.....	02
1.5.1 Gantt Chart	03
CHAPTER 2: SOFTWARE REQUIREMENT SPECIFICATION	04
2.1 Functional Requirements	04
2.2 Non Functional Requirements	12
2.2.1 Security Requirements.....	12
2.2.2 Availability Requirements	12
2.2.3 Accuracy	12
2.2.4 Maintainance	12

2.3 Performance Requirements.....	13
2.3.1 Speed and Latency Requirements	13
2.3.2 Precision or Accuracy Requirements	13
2.3.3 Capacity Requirements	13
2.4 Dependability Requirements	13
2.4.1 Reliability Requirements	13
2.4.2 Availability Requirements	14
2.5 Maintainability and Supportability Requirements.....	14
2.5.1 Maintenance Requirements	14
2.5.2 Supportability Requirements	14
2.5.3 Adaptability Requirements	14
2.5.4 Scalability or Extensibility Requirements	14
2.6 Security Requirements	14
2.6.1 Access Requirements	14
2.6.2 Integrity Requirements	15
2.6.3 Privacy Requirements	15
2.7 Usability and Human-Interaction Requirements	15
2.7.1 Ease of Use Requirements	15
2.7.2 Personalization and Internationalization Requirements	15
2.7.3 Understandability and Politeness Requirements	15
2.7.4 Accessibility Requirements	16
2.7.5 User Documentation Requirements	16
2.7.6 Training Requirements	16
2.8 Look and Feel Requirements	16
2.8.1 Appearance Requirements	16
2.8.2 Style Requirements	16
2.9 Operational and Environmental Requirements	17
2.9.1 Expected Physical Environment	17
2.9.2 Requirements for Interfacing with Adjacent Systems	17
2.9.3 Projectization Requirements	17
2.9.4 Release Requirements	17
2.10. Legal Requirements	17
2.10.1 Compliance Requirements	17
2.10.2 Standards Requirements	17

CHAPTER 3: SYSTEM ANALYSIS

3.1 Use Case Diagram.....	18
3.2 Use Case Description (for each use case)	22
3.3 Activity Diagram (for each use case).....	38

Chapter 4: System Design Specification

4.1 Sequence Diagram (for each use case).....	71
4.2 ER Diagram.....	97
4.3 Class Diagram	98
4.4 Development Tools & Technology.....	99
4.4.1 User Interface Technology	99
4.4.2 Implementation Tools & Platforms	99

CHAPTER 5: SYSTEM TESTING featured to be tested

5.1 Testing Introduction	100
5.2 Testing Fwature	100
5.2.1 Features to be tested	100
5.3 Features not to be tested.....	101
5.4 Testing Strategies	102
5.2.1 Test Approach	102
5.2.2 Pass/Fail Criteria	102
5.5 Test Cases	102
5.5.1 Test case Module-1	103
5.5.2 Test case Module-2	103
5.6 Testing Environment (hardware/software requirements).....	104

CHAPTER 6: USER MANUAL

6.1 User Manual	105
-----------------------	-----

CHAPTER 7: PROJECT SUMMARY

7.1 Limitations	134
7.2 Obstacles & Achievements	134
7.3 Future Scope	134
7.4 Github Link.....	134

REFERENCES	135
-------------------------	------------

List of Tables

Point	Name of figures	Page no:
Table 2.1	Functional Requirements	4
Table 2.2	Non-Functional Requirements	12
Table 5.5.1	Test Case-1	102
Table 5.5.2	Test Case-2	103

List of Figures

Point	Name of figures	Page no:
Figure 2	Gantt Chart	3
Figure 4.1	ER Diagram	97
Figure 4.2	Class Diagram	98
Figure 3.1	Use Case	18

CHAPTER-01

Introduction

1.1 Project Overview

Inventory system is helpful for traders, where shopkeepers can keep a record of purchases and sales. Inventory is important in running a large retail store. The retailer will be alerted when it comes time to rearrange the stock. Large shipments can be tracked very easily through this inventory and profit and loss can be calculated quickly, month or year. We can learn about customer demand through analysis. This analysis plays an important role in our business.

1.2 Project Purpose

1.2.1 Background

Prior to this system, buyers and sellers used to keep a written account on paper which was feared to be lost and lost. It was time dependent. Through this website we are able to keep track of all the tasks together, including keeping track of the purchase and delivery of the purchased items to the customer quickly and easily so that our time hassle is reduced.

1.2.2 Benefits & Beneficiaries

- Inventory management has been simplified.
- Reduced the possibility of overselling...
- Increased cost-cutting....
- Avoiding stock-outs and excess inventory.
- Better business negotiations

1.2.3 Goals

- ❖ Smooth fulfillment Having enough supply
- ❖ Knowing when to scale or shrink goods production
- ❖ Sales tracking.
- ❖ On a regular basis, track and review the company's sales.

1.3 Stakeholders

There are many members are associate with this project. They have helped to develop

The system directly or indirectly.

Internal stakeholder:

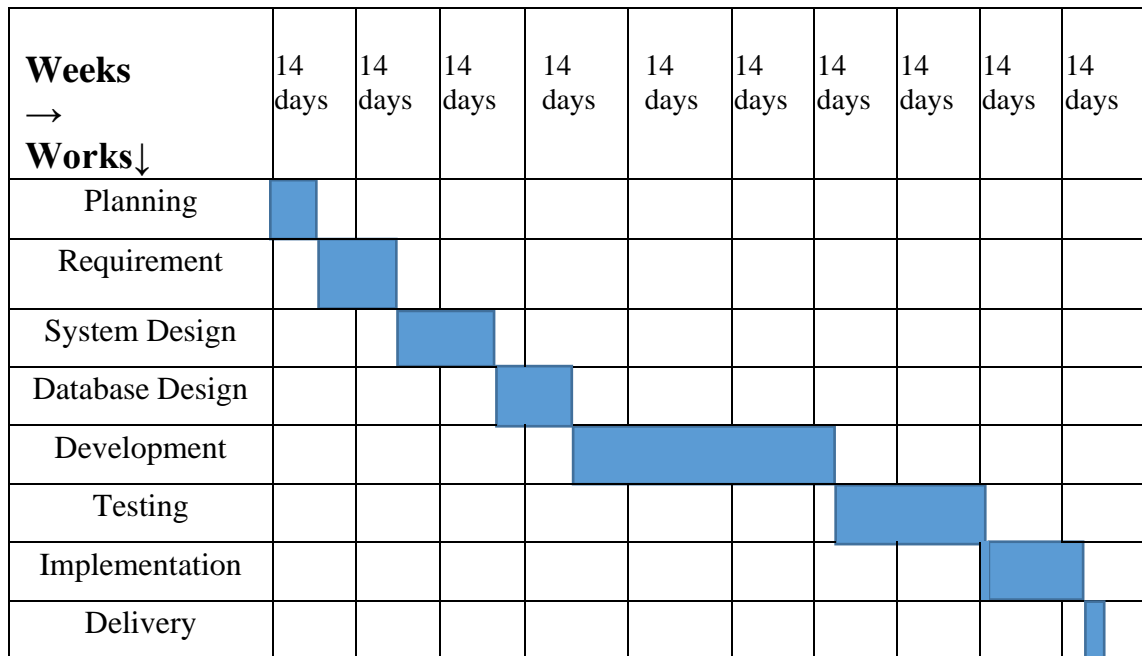
1. Admin
2. System Administrator
3. Manger
4. Field Worker

1.4 Project Planning

Table 1.4: Project planning

Task name	Resource name	Start	Finish	Duration(Days)
Planning	PM,BA	01-09-2020	08-09-2020	08
Requirement	RE,RA	09-09-2020	18-09-2020	10
System Design	UI Designer	19-09-2020	08-10-2020	20
Database design	DB Designer	09-10-2020	18-10-2020	10
Development	Developer	19-10-2020	30-11-2020	42
Testing	Tester	1-12-2020	15-12-2020	15
Implementation	Implementation Eng.	16-12-2021	26-12-2021	11
Delivery	PM, Implementation Eng.	27-12-2021	27-12-2021	01
				Total 117

1.4.1 Gantt Chart



CHAPTER 2

SOFTWARE REQUIREMENTS SPECIFICATION

Requirements analysis is the best process of identifying the user satisfaction from the system. So, requirements analysis is an important part of project management. When

I selected this project, I thought about some specific software requirement, like as

- Who is the stakeholder of this project?
- Is it helpful for them or not?
- Functional and non-functional requirements
- Maintenance of the system
- Is it efficient for using?

2.1 Functional Requirement

The functional requirements of the system are like below---

Fieldworker Registration

FR-01 Fieldworker Registration	
Description	This system allows to user to registration the system using name, Email, and password and become a valid user.
Stakeholder	Fieldworker

Manager Registration

FR-02 Manager registration	
description	Allocate manager can register using name, email and password.
Stakeholder	manager

Admin log in

FR-03 Admin Login	
Description	Fieldworker, Admin, manager login this system. Without login no one can access the system.
Stakeholder	Admin, fieldworker, manager

Add Employee

FR-04 Add employee	
description	Admin need to add new employee for business.
stakeholder	admin

Update Employee

FR-05 Update employee	
description	If there is any mistake while adding admin, it can be updated later if you want or if you need to change something later, it can be updated Later.
stakeholder	admin

Delete Employee

FR-06 Delete employee	
description	If that employee leaves or we don't need it then we can delete that Employee.
stakeholder	admin

Add Customer

FR-07 Add customer	
description	Admin need to add new customer for product sell.
stakeholder	admin

Update customer

FR-08 Update customer	
description	If there is any mistake while adding admin, it can be updated later if You want or if you need to change something later, it can be updatedlater.
stakeholder	admin

Delete customer

FR-09 Delete customer	
description	If that customer leaves or we don't need it then we can delete that Customer.
stakeholder	admin

Add Supplier

FR-10 Add supplier	
description	Admin need to add new supplier for baying product delivery
stakeholder	admin

Update Supplier

FR-11 Update supplier	
description	If there is any mistake while adding admin, it can be updated later if You want or if you need to change something later, it can be updatedlater.
stakeholder	admin

Delete Supplier

FR-12 Delete supplier	
description	If that supplier leaves or we don't need it then we can delete that Supplier.
stakeholder	admin

Add Category

FR-13 Add category	
description	Admin need to add new category for business
stakeholder	admin

Update category

FR-14 Update category	
description	If there is any mistake while adding category for admin, it can be updated later if you want or if you need to change something later, it Can be updated later.
stakeholder	admin

Delete category

FR-15	Delete category
description	If that category don't available stock or we don't need it then we can Delete that category.
stakeholder	admin

Add Product

FR-16	Add product
description	Admin need to add new product for sell the product
stakeholder	admin

Update product

FR-17	Update product
description	If there is any mistake while adding product for admin, it can be updated later if you want or if you need to change something later, it Can be updated later.
stakeholder	admin

Delete product

FR-18	Delete product
description	If that product don't available stock or we don't need it then we can Delete that product.
stakeholder	admin

Add Expenses

FR-19	Add Expenses
description	Admin need to add new expenses for business.
stakeholder	admin

Update Expenses

FR-20	Update Expenses
description	Admin can update expenses for business.
stakeholder	admin

Delete Expenses

FR-21	Delete Expenses
description	Admin can delete expenses.
stakeholder	admin

Add Salary

FR-22	Add Salary
description	Admin need to add new salary for employee by monthly
stakeholder	admin

View Salary

FR-23	View Salary
description	Admin need to view salary for employee by any monthly or year.
stakeholder	admin

Add Advance Salary

FR-24	Add advance salary
description	Admin will be able to add advance salary if any problem arises in the Employee.
stakeholder	admin

Manage stock

FR-25	stock manage
description	We will be able to see how many products we have purchased through stock management after selling. If it seems that we need more of that product in stock, we will be able to increase the stock by chance, or we Will be able to increase it by ordering product.
stakeholder	admin

Today Order

FR-26	Today order
description	Today you can see all the records of what was sold and how much Money was sold.
stakeholder	admin

Search

FR-27 Search	
description	Depending on the month and date, we can look at all the information That has been sold in that month or day.
stakeholder	admin

POS (Inventory System)

POS (point of sale)

FR-28 Pos(Inventory System)	
description	In POS (Point of sale) Inventory System where all kinds of products can be seen with search and search according to all categories will show products according to category. We can see all the products of our choice. We can update the cart and delete the old customer. We can add to cart for any product. We can sell products by selecting buyers. Or if there is a new customer, we can sell the product by creating a new account with that customer information. With the help of POS (point of Sale). Machine we can give a receipt of what product the customerbought through our POS (point of sale).
stakeholder	admin

2.2 Non Functional Requirements

2.2.1 Security

NFR-01 Security	
description	Using token-based authentication, session, validation 2FA it will be Secure from unauthorized access.
Priority	High

2.2.2 Availability

NFR-02 Availability	
description	The system should work 24/7 as user can get access and service.
Priority	High

2.2.3 Accuracy

NFR-03 Accuracy	
description	Data or process requirement concerned with defining the precision which the solution will record or produce data.
Priority	High

2.2.4 Maintenance

NFR-03 Accuracy	
description	Its way how easy to support, change and enhance the system.
Priority	High

2.3 Performance Requirements

2.3.1 Speed and Latency Requirements

1. Dataset would be inserted in MySQL Databases
2. UI design-build on the user fulfills table data set and show.

2.3.2 Precisions or Accuracy Requirements

1. All user capable to show accurate page.
2. Admin can Update any information
3. Admin can manage POS (Inventory System).
4. Admin product sell and automatic stock deleted POS (Inventory System)

2.3.3 Capacity Requirements

1. At time multiple users can use this system.
2. Admin can sell at a time multiple user.

2.4 Dependability Requirements

2.4.1 Reliability Requirements

1. Admin, manager, fieldworker should be log in to the system using his or her valid email and password.

2.4.2 Availability Requirements

1. When we are using this system need to run apace server.
2. Need to know command for run properly and easily.
3. This is a web application should run on a web browser. (Preferable browser is Chrome, Firefox, and Internet Explorer).

2.5 Maintainability and Supportability Requirements

2.5.1 Maintenance Requirements

1. Web application did not modify or change.
2. If we need to data need to recover or update then need to using command line.
3. We are need to maintainers all security and others works.

2.5.2 Supportability Requirements

1. When the system did not work perfectly then need to check database and others work.
2. Update security patch and others system.

2.5.3 Adaptability Requirements

1. This is very important website.
2. This website can help to business then they can get all services easily.

2.5.4 Scalability or Extensibility Requirements

1. This website is good and reliable for each and every one.
2. Website is good help for business.

2.6 Security Requirements

2.6.1 Access Requirements

1. Only for registered user can access this system.
2. Guest cannot allow this system.

2.6.2 Integrity Requirements

1. This website cannot access another user like guest user.

2.6.3 Privacy Requirement

1. Here we are using activate user system.

2.7 Usability and Human Interaction Requirements

This requirement defines how to meet the physical needs of the intended users of our website.

2.7.1 Ease of Use Requirements

The system is easy to use and can easily be understood.

UH-01	The system must be usable for Admin, Admin Administrator, Fieldworker, and Manager.
Description	The system indicates the several possible that the users.
Stakeholders	Admin, Admin Administrator, Fieldworker, and Manager.

2.7.2 Understand Ability and Politeness Requirements

UH-02	The features of the (POS) Inventory System.
Description	The system can more efficiently ease of use more added features. The system is understanding ability for both users. The system not use any term that is not specified in this website.
Stakeholders	Admin

2.7.3 Accessibility Requirements

There are no access requirements beside those that has been outline in the below:

AR-1: Log in as a Admin

AR-1: Log in as a Admin Administrator

AR-1: Log in as a Fieldworker

AR-1: Log in as a Manager

AR-1: Log out as Admin

AR-1: Log out as Admin Administrator

AR-1: Log out as Fieldworker

AR-1: Log out as Manager

To get access to this system or a specific module the system must provide a control. In order to

prevent anyone to exploit stolen all user's passwords must be encrypted in the hash process

2.7.4 User Documentation Requirements

UH-03	The system developer documentation
Description	Develop this project we have specified requirements of user's documentation. The teams are involved to this project documentation
Stakeholders	System Developer

2.8 Look and Feel Requirements

The look and feel requirements describe the desired spirit the mood, the style of the product's appearance. The requirements specify the intention of the appearance and are not detailed design of an interfaces.

2.8.1 Appearance Requirements

It should be clear to the System Admin Patient and Doctor needs to be filled and which can be left blank in this system.

LF-01	Labels of mandatory fields must be bold.
Description	Label of obligation fields must be bold to identify them as being of Obligation.
Stakeholders	Admin, Admin Administrator, Fieldworker, Manager.

2.8.2 Style Requirements

We will provide a website user interface. This requirement does not only define the necessity to use a css but although the requirements regarding's the css's content as well as css framework like bootstrap.

LF-02	The look and feel must be controllable using a style sheets.
Description	The styling of the elements of the web application user interface will be define using css, JS, Bootstrap.
Stakeholders	Admin

2.9 Operational and Environmental Requirements

This requirement focusses on how the users operate the system, including interfaces and interoperability with other systems. The requirement established how well and under what condition the system must perform.

2.9.1 Expected Physical Requirement

1. There are no specific expected physical requirements

2.9.2 The Requirements for Interfacing with Adjacent System

1. There is no specific interface with adjacent system requirements.

2.9.3 Release Requirements

1. There is no specific release requirement but in the project schedule. It was described briefly.

2.10 Legal Requirements

These requirements consider any violence of rules and regulation and which rules should be followers to maintainers these systems.

2.10.1 Compliance Requirements

1. There are no specific compliance requirements.

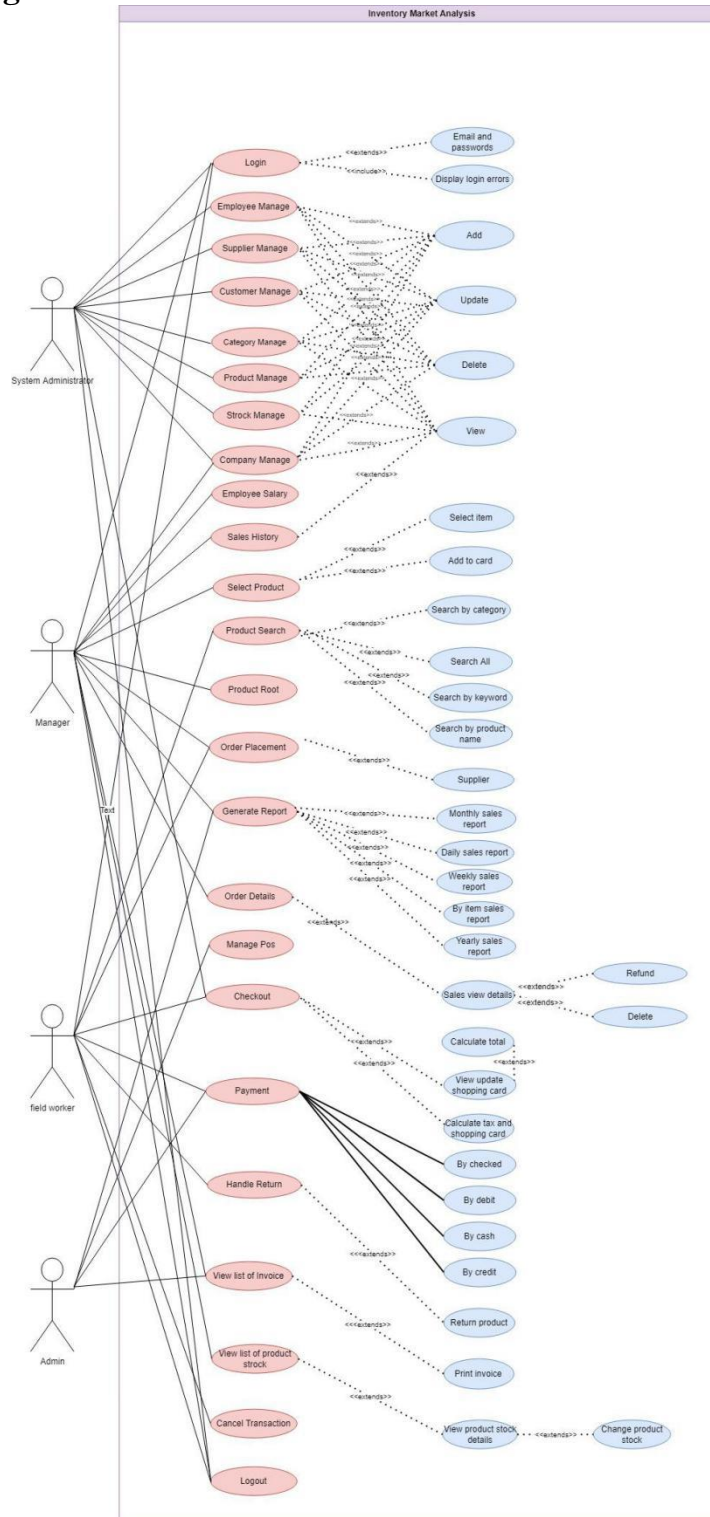
2.10.2 Standard Requirements

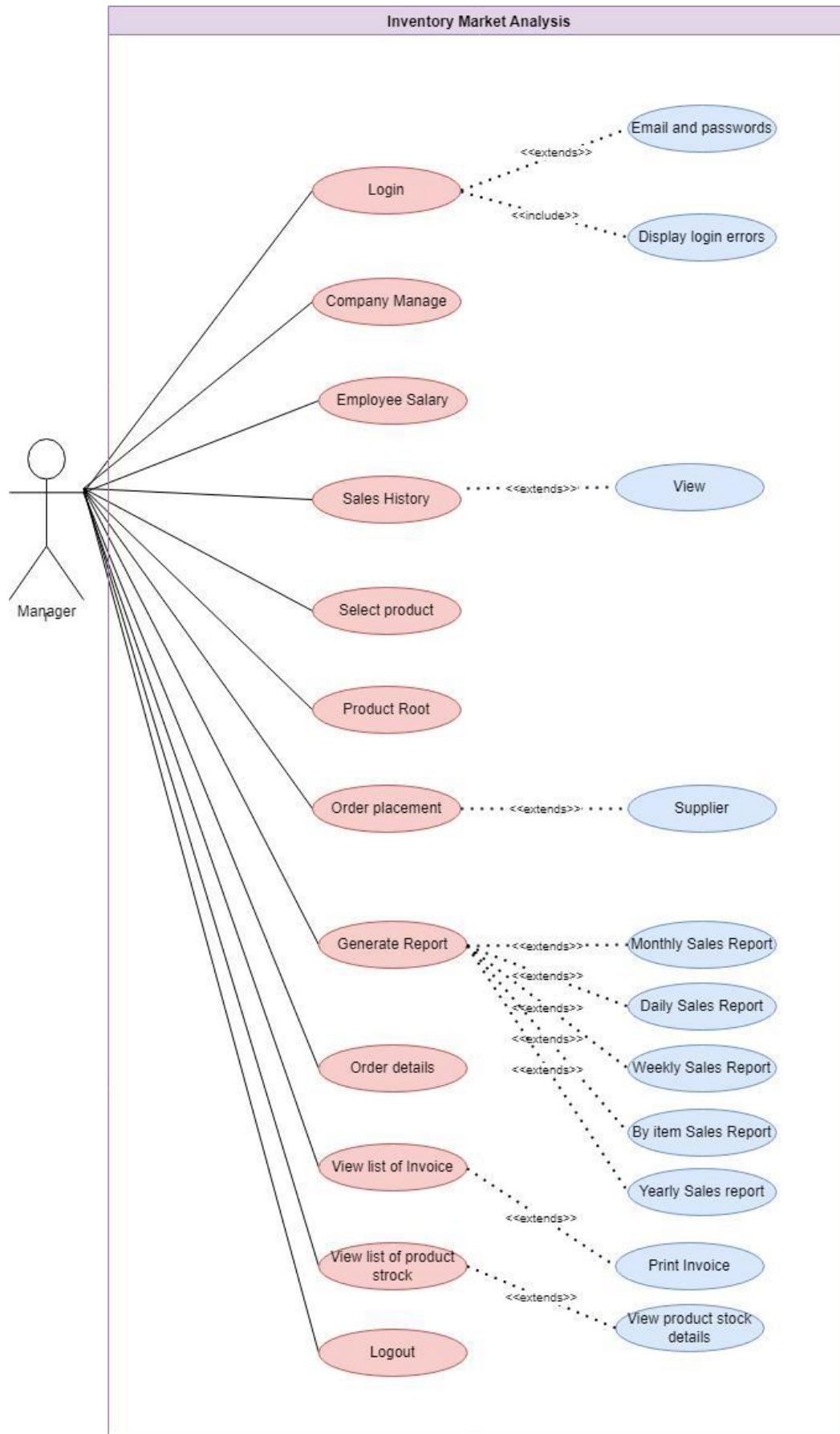
1. There are no specific standard requirements.

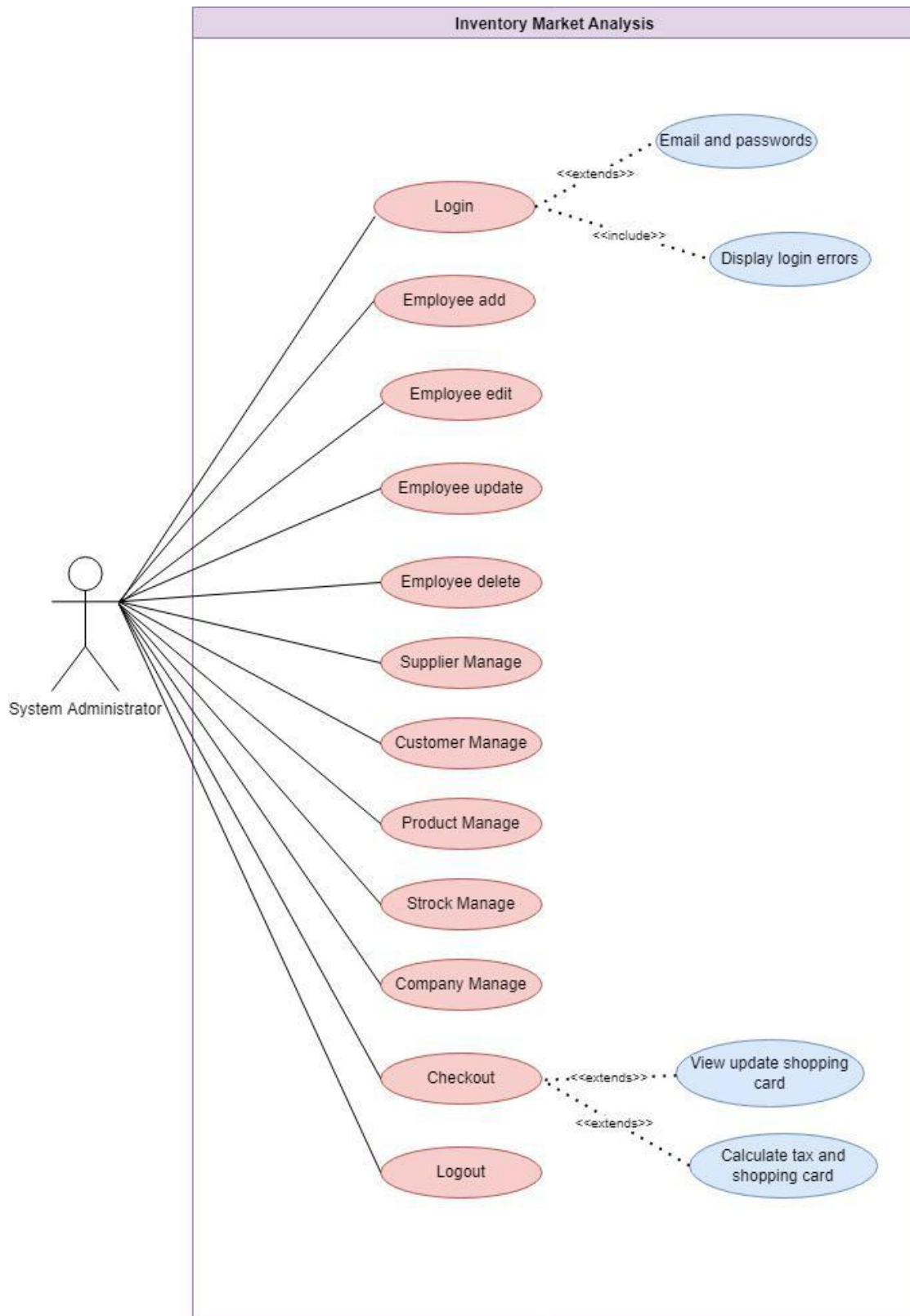
CHAPTER-03

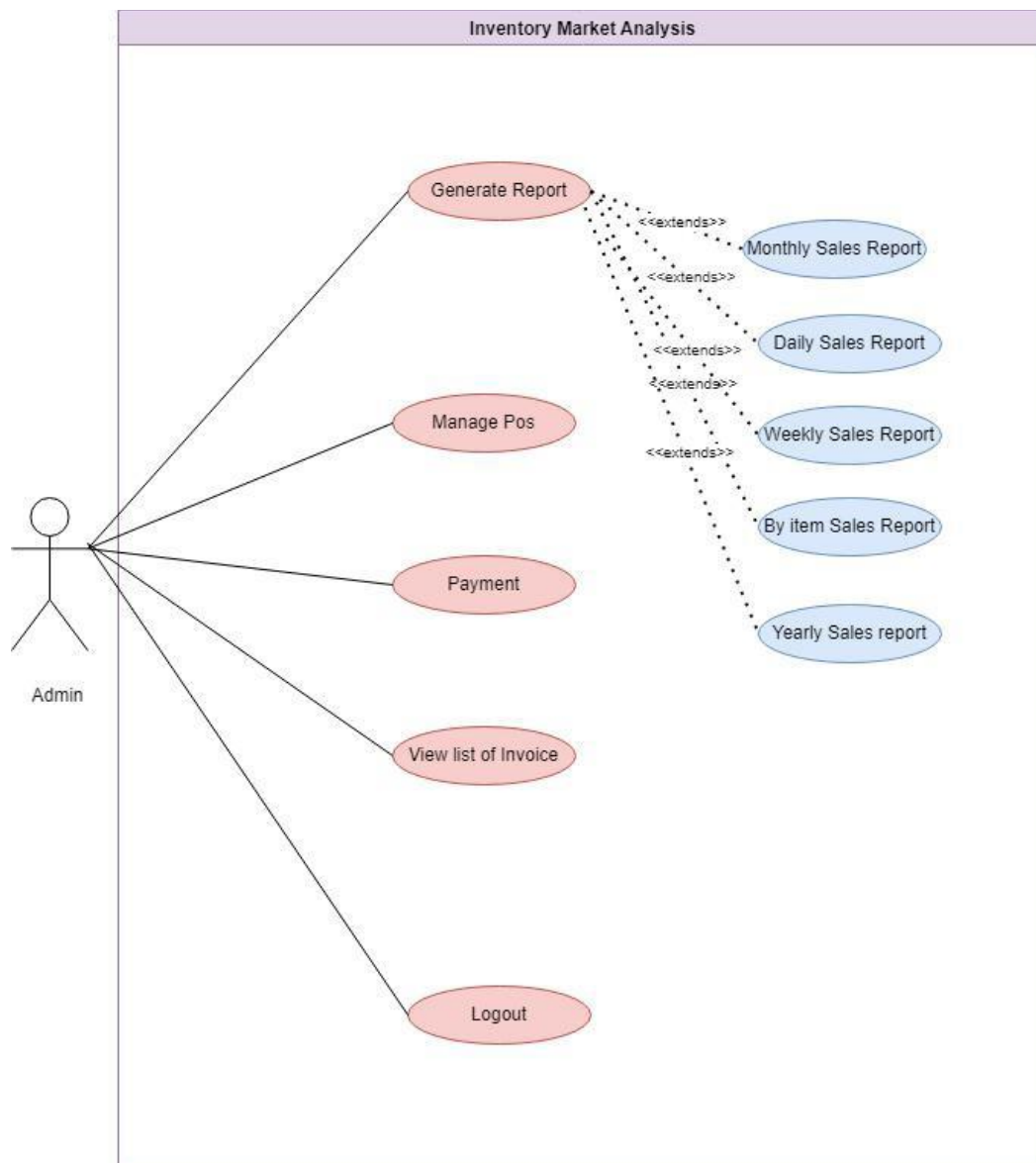
SYSTEM ANALYSIS

3.1 Use Case Diagram









3.2 Use Case Description

Registration System

Use Case	Registration		
Goal	Anyone can apply for register		
Preconditions	Must be fulfil register required fields.		
Success End Condition	System get registration applications from the public.		
Failed End Condition	System cannot get registration applications from the public.		
Primary Actors:	Public		
Secondary Actors	N/A		
Trigger	Access this website.		
Description/main Scenario	Success	Step	Action
		1.	The public can register into this website
		2.	Public enter the URL & the URL show the “Registration” pages.
		3.	Public enter all required information in “Registration” form.
Alternative Flows		Step	Branching Action
		1.	Get “Registration” page again load if any error occurred.
Quality Requirements		Step	Requirement
		1.	Must be authentic as Public. And also edit or update these applications.

Login and Log out System

Use Case	Login and log out system	
Goal	System Admin, Manager, Fieldworker, Admin Administrator can access the system. And finally, Log out.	
Preconditions	N/A	
Success End Condition	System Admin, Manager, Fieldworker, Admin Administrator can access this system	
Failed End Condition	System Admin, Manager, Fieldworker, Admin Administrator can access the system	
Primary Actors:	System Admin, Manager, Fieldworker, Admin Administrator	
Secondary Actors	N/A	
Trigger	Access This System	
Description/main Success Scenario	Step	Action
	1	System Admin, Manager, Fieldworker, Admin Administrator
	2	The user enters his or her email id and password in the returning user section of the sign in screen.
Alternative Flows	Step	Branching Action
	1a	The user enters his or her username and password
Quality Requirements	Step	Requirement
	1	When user login then needs to correct email id for login and password.

Manage Pos (Point Of Seals) System

Use Case	Manage POS system	
Goal	In manage POS, admin can view all products, search category wise product and search category wise, then add product cart as per customer's choice, update or delete cart, or add new product. However, by selecting the specified customer, the order placement can be done with the customer's information. Customer does not exit then create new customer account then order placement new customer.	
Preconditions	Must be logged in the system then can access the system.	
Success End Condition	System successfully view, add, update, delete point of seals (POS).	
Failed End Condition	Cannot view and other operation point of seals (POS).	
Primary Actors:	Admin	
Secondary Actors	N/A	
Trigger	View, add, update and delete.	
Description/main Success Scenario	Step	Action
	1	Admin view, add, update and delete.
	2	Successfully view add update delete.
Alternative Flows	Step	Branching Action
	1a	N/A
Quality Requirements	Step	Requirement
	1	Must be logged in system.

Employee Manage System

Use Case	Employee Manage system		
Goal	Admin will be able to add new employee. If there is any mistake while adding employee, admin will be able to update it or delete it If that employee is not needed.		
Preconditions	Must be logged in the system then can access the system.		
Success End Condition	System successfully view, add, update, delete employee.		
Failed End Condition	Cannot view and other operation employee.		
Primary Actors:	Admin		
Secondary Actors	N/A		
Trigger	View, add, update and delete.		
Description/main Success Scenario	Step	Action	
	1	Admin view, add, update and delete.	
	2	Successfully view add update delete.	
Alternative Flows	Step	Branching Action	
	1a	N/A	
Quality Requirements	Step	Requirement	
	1	Must be logged in system.	

Supplier Manage System

Use Case	Supplier Manage system		
Goal	Admin will be able to add new supplier. If there is any mistake While adding employee, admin will be able to update it or delete it if that supplier is not needed.		
Preconditions	Must be logged in the system then can access the system.		
Success End Condition	System successfully view, add, update, delete supplier.		
Failed End Condition	Cannot view and other operation supplier.		
Primary Actors:	Admin		
Secondary Actors	N/A		
Trigger	View, add, update and delete.		
Description/main Success Scenario	Step	Action	
	1	Admin view, add, update and delete.	
	2	Successfully view add update delete.	
Alternative Flows	Step	Branching Action	
	1a	N/A	
Quality Requirements	Step	Requirement	
	1	Must be logged in system.	

Category Manage System

Use Case	Category Manage system	
Goal	Admin will be able to add new supplier. If there is any mistake While adding category, admin will be able to update it or delete it if that supplier is not needed.	
Preconditions	Must be logged in the system then can access the system.	
Success End Condition	System successfully view, add, update, delete category.	
Failed End Condition	Cannot view and other operation category.	
Primary Actors:	Admin	
Secondary Actors	N/A	
Trigger	View, add, update and delete.	
Description/main Success Scenario	Step	Action
	1	Admin view, add, update and delete.
	2	Successfully view add update delete.
Alternative Flows	Step	Branching Action
	1a	N/A
Quality Requirements	Step	Requirement
	1	Must be logged in system.

Customer Manage System

Use Case	Customer Manage system		
Goal	Admin will be able to add new supplier. If there is any mistake While adding customer, admin will be able to update it or delete it if that supplier is not needed.		
Preconditions	Must be logged in the system then can access the system.		
Success End Condition	System successfully view, add, update, delete customer.		
Failed End Condition	Cannot view and other operation customer.		
Primary Actors:	Admin		
Secondary Actors	N/A		
Trigger	View, add, update and delete.		
Description/main Success Scenario	Step	Action	
	1	Admin view, add, update and delete.	
	2	Successfully view add update delete.	
Alternative Flows	Step	Branching Action	
	1a	N/A	
Quality Requirements	Step	Requirement	
	1	Must be logged in system.	

Product Manage System

Use Case	Stock Manage system	
Goal	Admin can add new product. If you make a mistake while adding A product, you can update it or delete it when the product is out ofstock.	
Preconditions	Must be logged in the system then can access the system.	
Success End Condition	System successfully view, add, update, delete product.	
Failed End Condition	Cannot view and other operation product.	
Primary Actors:	Admin	
Secondary Actors	N/A	
Trigger	View, add, update and delete.	
Description/main Success Scenario	Step	Action
	1	Admin view, add, update and delete.
	2	Successfully view add update delete.
Alternative Flows	Step	Branching Action
	1a	N/A
Quality Requirements	Step	Requirement
	1	Must be logged in system.

Stock Manage System

Use Case	Stock Manage system	
Goal	If the admin wants according to the customer's demand, he can increase the stock by adding new product with the previous stock.	
Preconditions	Must be logged in the system then can access the system.	
Success End Condition	System successfully view, update stock.	
Failed End Condition	Cannot view and other operation stock.	
Primary Actors:	Admin	
Secondary Actors	N/A	
Trigger	View and update.	
Description/main Success Scenario	Step	Action
	1	Admin view, update.
	2	Successfully view and update.
Alternative Flows	Step	Branching Action
	1a	N/A
Quality Requirements	Step	Requirement
	1	Must be logged in system.

Employee Salary System

Use Case	Employee Salary system	
Goal	The admin will be able to pay the monthly salary of the employee and any employee will be able to take the advance month's salary, but if the admin thinks it is correct, he can take the advance Month's salary after applying.	
Preconditions	Must be logged in the system then can access the system.	
Success End Condition	System successfully view, pay salary for employee.	
Failed End Condition	Cannot view and other operation employee.	
Primary Actors:	Admin	
Secondary Actors	N/A	
Trigger	View, and pay salary.	
Description/main Success Scenario	Step	Action
	1	Admin view, and pay salary.
	2	Successfully view and pay salary.
Alternative Flows	Step	Branching Action
	1a	N/A
Quality Requirements	Step	Requirement
	1	Must be logged in system.

Search Product System

Use Case	Search Product system	
Goal	If you want to search all the products while selling the product to the customer, it is a matter of time.as soon as possible find out for product search and category wise product search find easily and Faster find out.	
Preconditions	Must be logged in the system then can access the system.	
Success End Condition	System successfully view, search product.	
Failed End Condition	Cannot view and other operation product.	
Primary Actors:	Admin	
Secondary Actors	N/A	
Trigger	View and search product.	
Description/main Success Scenario	Step	Action
	1	Admin view, and search product.
	2	Successfully view and search product.
Alternative Flows	Step	Branching Action
	1a	N/A
Quality Requirements	Step	Requirement
	1	Must be logged in system.

Select Product System

Use Case	Select Product system		
Goal	If you see all the products while selling the product to the customer, the product that your customer wants to buy from all the products may be one or more or different products. Select it And add all the products of the customer in the cart.		
Preconditions	Must be logged in the system then can access the system.		
Success End Condition	System successfully view, select product for add to cart.		
Failed End Condition	Cannot view and other operation select product.		
Primary Actors:	Admin		
Secondary Actors	N/A		
Trigger	View and select product.		
Description/main Success Scenario	Step	Action	
	1	Admin view, and select product.	
	2	Successfully view and select product.	
Alternative Flows	Step	Branching Action	
	1a	N/A	
Quality Requirements	Step	Requirement	
	1	Must be logged in system.	

Order Placement System

Use Case	Order Placement system	
Goal	When the customer buys the product, at the end of the purchase, the customer's product must be delivered according to the customer's address and here the admin has already added the supplier, then the admin will add the supplier option for the new customer so that the customer's product reaches the customer very Fast.	
Preconditions	Must be logged in the system then can access the system.	
Success End Condition	System successfully view, order placement.	
Failed End Condition	Cannot view and other operation order placement.	
Primary Actors:	Admin	
Secondary Actors	N/A	
Trigger	View and search product.	
Description/main Success Scenario	Step	Action
	1	Admin view, and order placement.
	2	Successfully view and order placement.
Alternative Flows	Step	Branching Action
	1a	N/A
Quality Requirements	Step	Requirement
	1	Must be logged in system.

Order Details System

Use Case	Order Details system		
Goal	There will be a description of the product that the customer has purchased, such as what products you have purchased, how much you have purchased, how much each product will total cost, or How much each product will cost.		
Preconditions	Must be logged in the system then can access the system.		
Success End Condition	System successfully view and order details.		
Failed End Condition	Cannot view and other operation and order details.		
Primary Actors:	Admin		
Secondary Actors	N/A		
Trigger	View and search product.		
Description/main Success Scenario	Step	Action	
	1	Admin view and order details.	
	2	Successfully view and order details.	
Alternative Flows	Step	Branching Action	
	1a	N/A	
Quality Requirements	Step	Requirement	
	1	Must be logged in system.	

Generate Report System

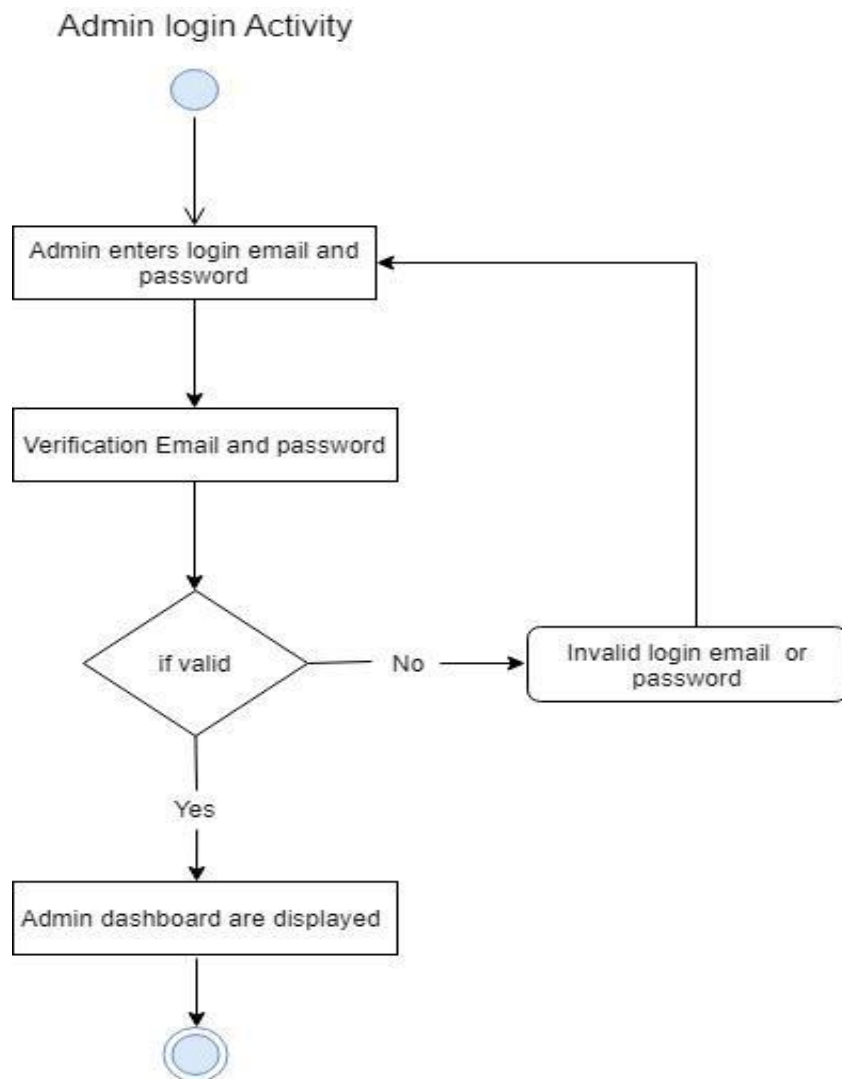
Use Case	Generate Report system		
Goal	The report will keep a record of what I sold each month and how Much money I earned, how much money I lost, what day I sold itto a customer or how much money I sold in a month.		
Preconditions	Must be logged in the system then can access the system.		
Success End Condition	System successfully view, generate report daily monthly and yearly.		
Failed End Condition	Cannot view and other generate report daily monthly and yearly?		
Primary Actors:	Admin		
Secondary Actors	N/A		
Trigger	View and generate report daily monthly and yearly.		
Description/main Success Scenario	Step	Action	
	1	Admin view, and generate report daily monthly and yearly.	
	2	Successfully view and generate report daily monthly and yearly.	
Alternative Flows	Step	Branching Action	
	1a	N/A	
Quality Requirements	Step	Requirement	
	1	Must be logged in system.	

Checkout System

Use Case	Checkout system		
Goal	After the customer buys the goods the record is kept with his Address so that the goods can be delivered according to thecustomer's address and the merchant can keep his account.		
Preconditions	Must be logged in the system then can access the system.		
Success End Condition	System successfully view and checkout.		
Failed End Condition	Cannot view and other and checkout.		
Primary Actors:	Admin		
Secondary Actors	N/A		
Trigger	View and checkout.		
Description/main Success Scenario	Step	Action	
	1	Admin view, and checkout.	
	2	Successfully view and checkout.	
Alternative Flows	Step	Branching Action	
	1a	N/A	
Quality Requirements	Step	Requirement	
	1	Must be logged in system.	

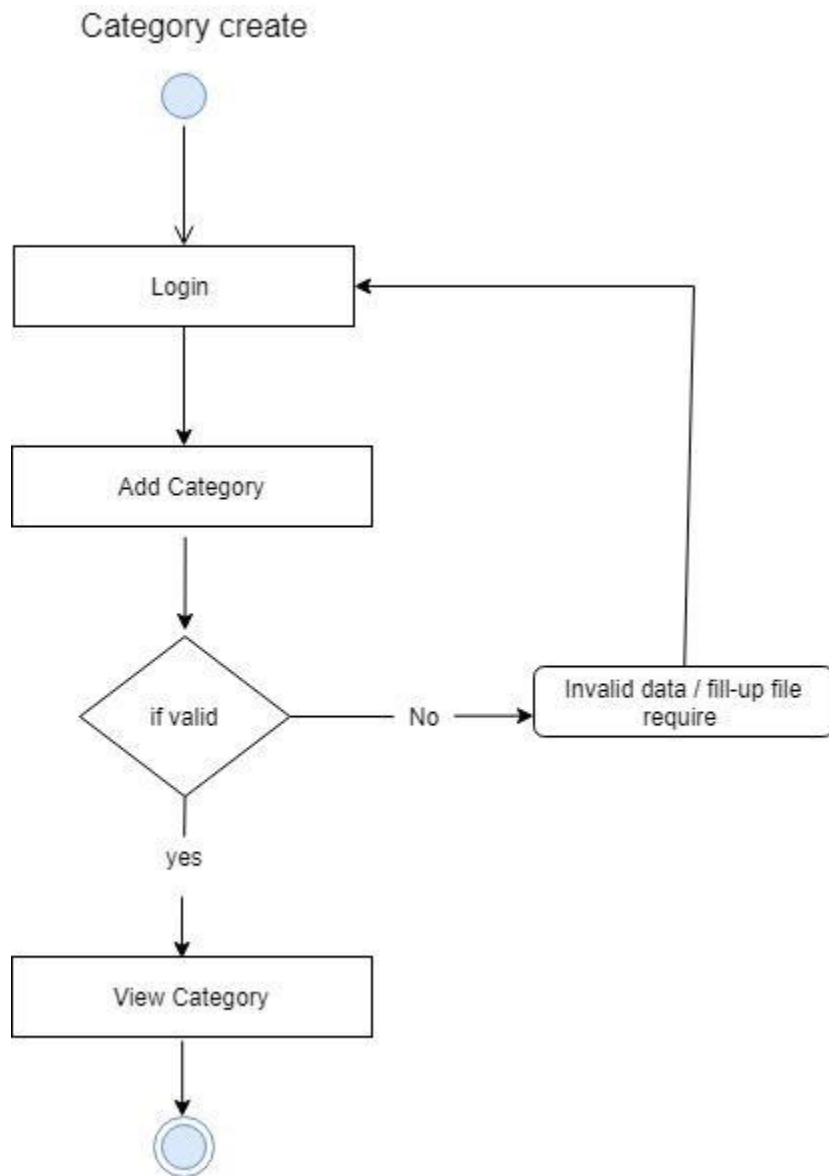
3.3 Activity Diagram

Admin Login



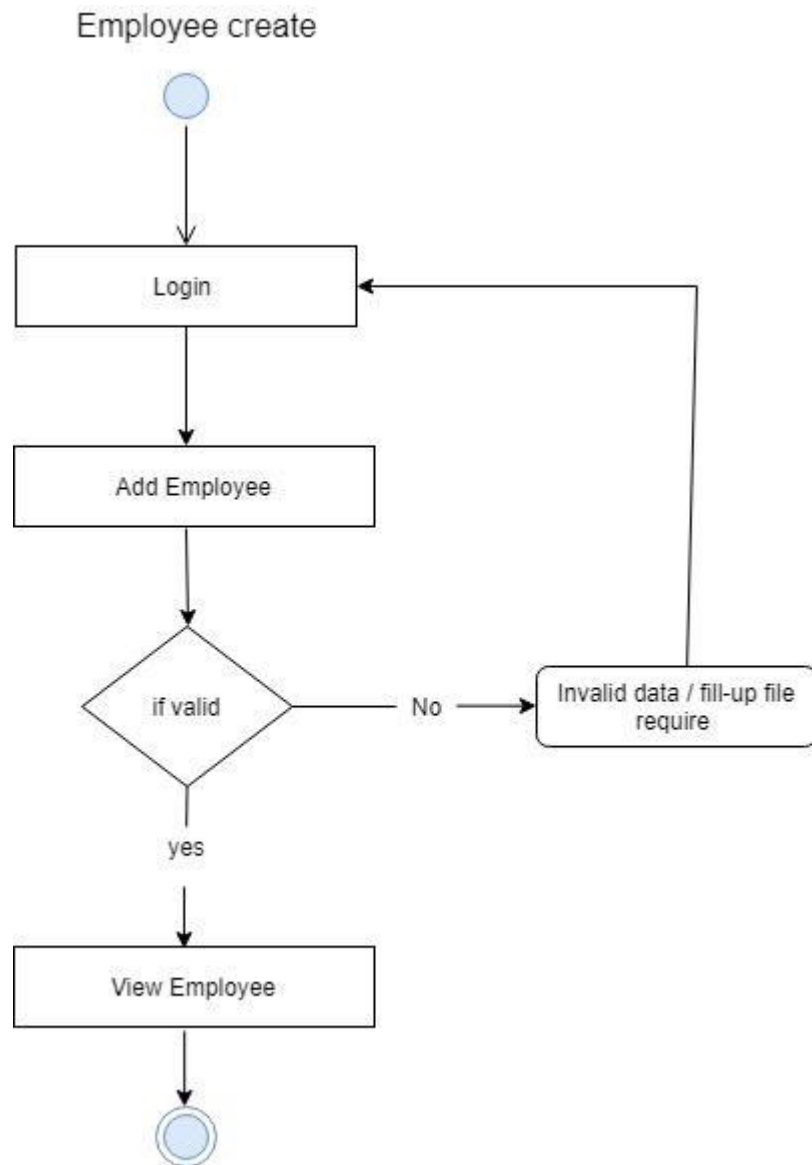
Admin Login Activity Diagram

Add Category



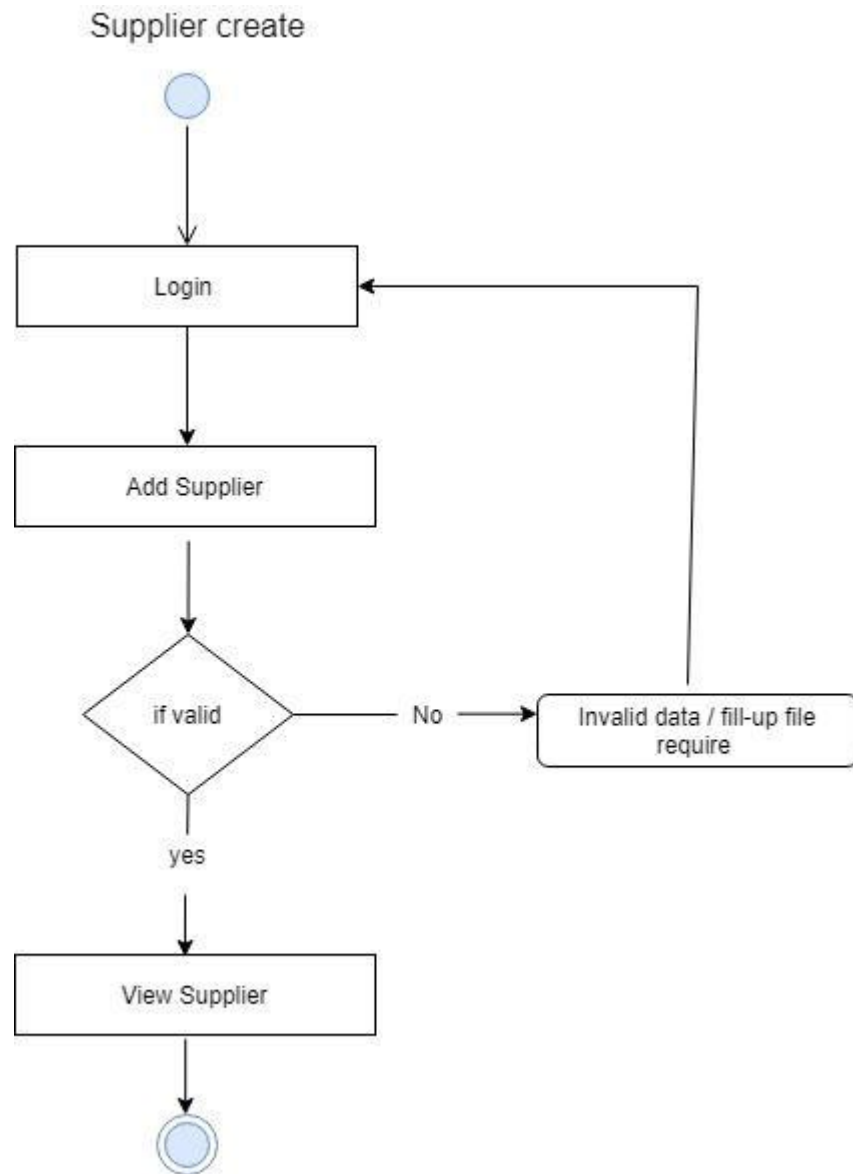
Add Category Activity Diagram

Add Employee



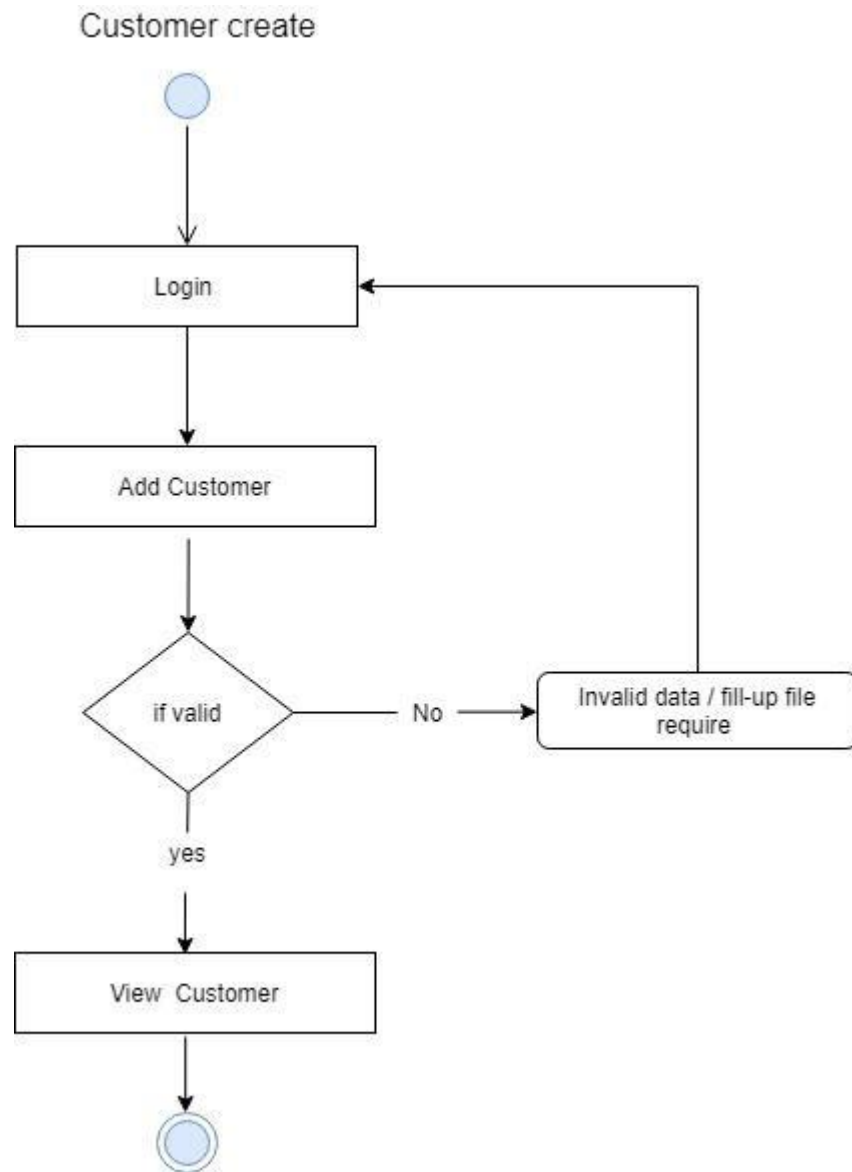
Add Employee Activity Diagram

Add Supplier



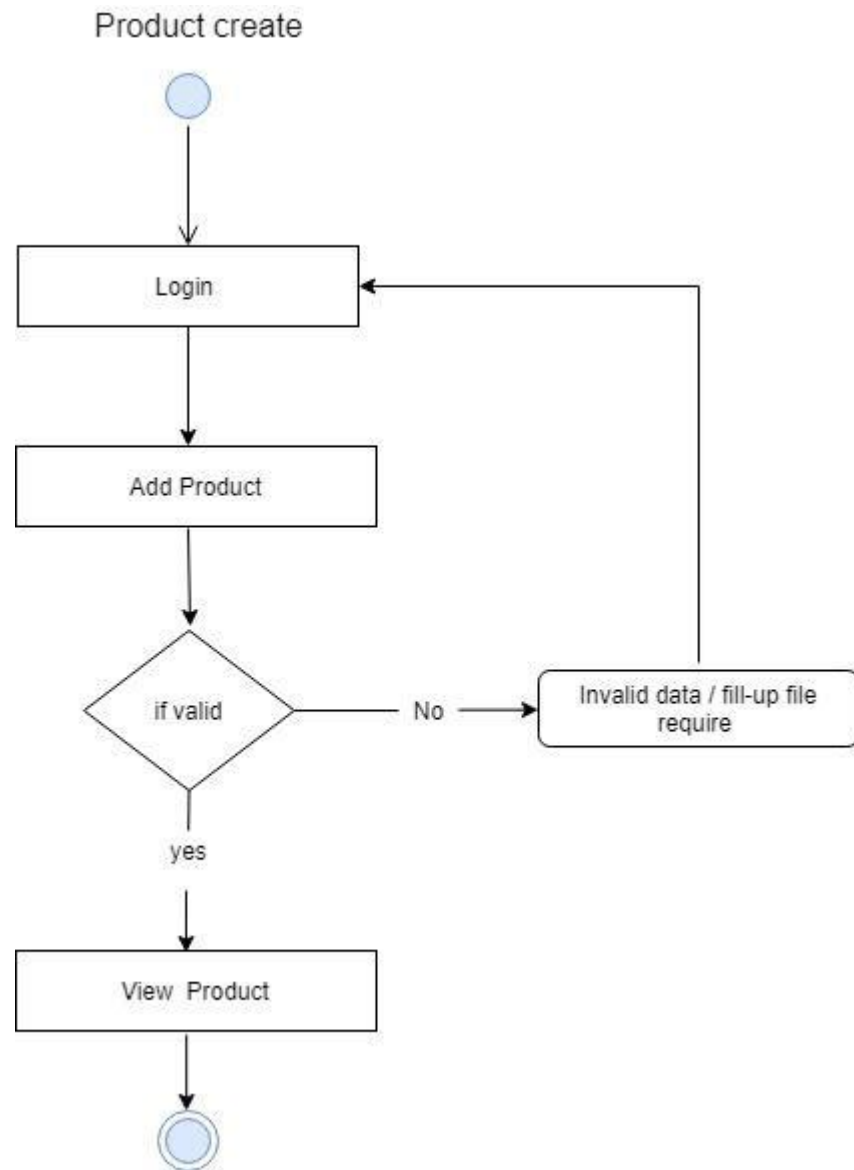
Add Supplier Activity Diagram

Add Customer



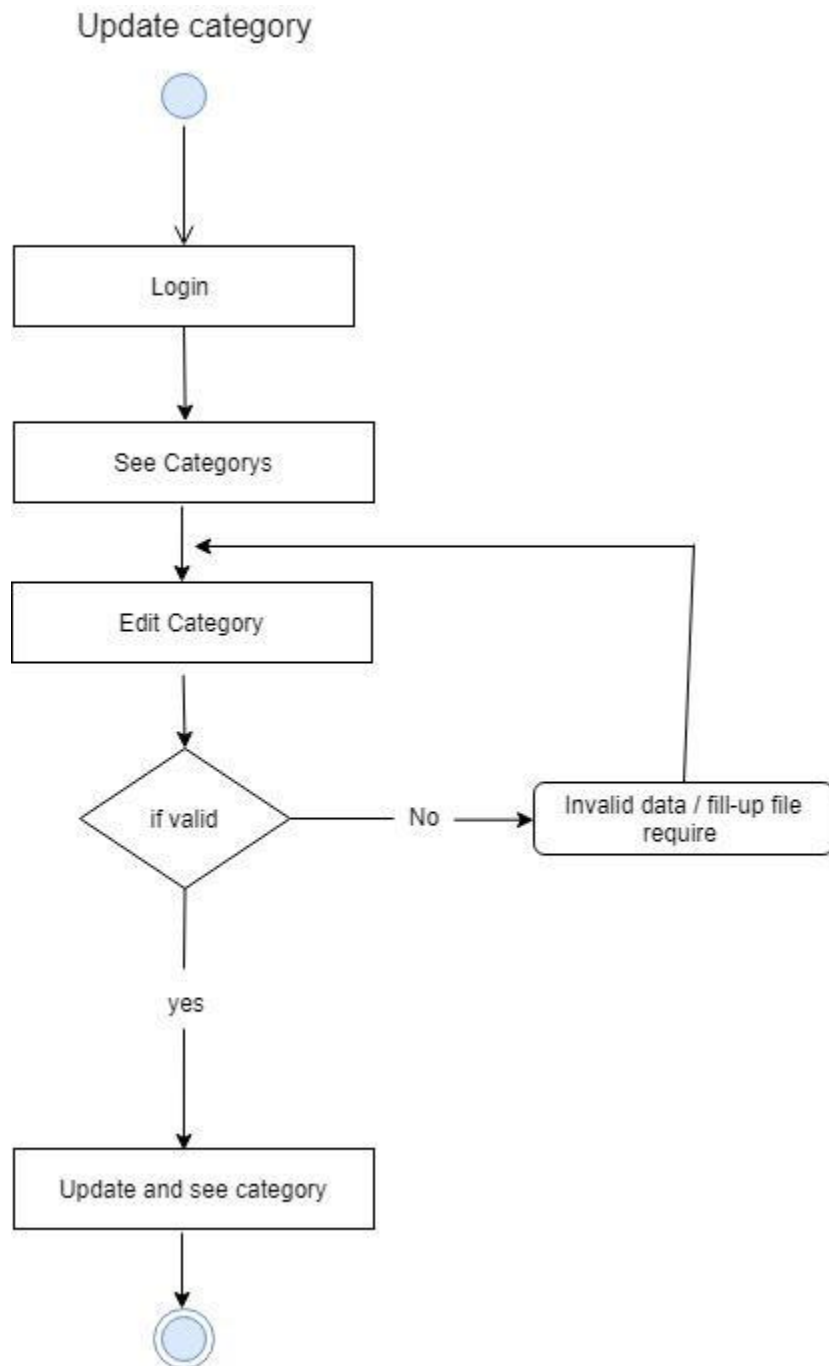
Add Customer Activity Diagram

Add Product



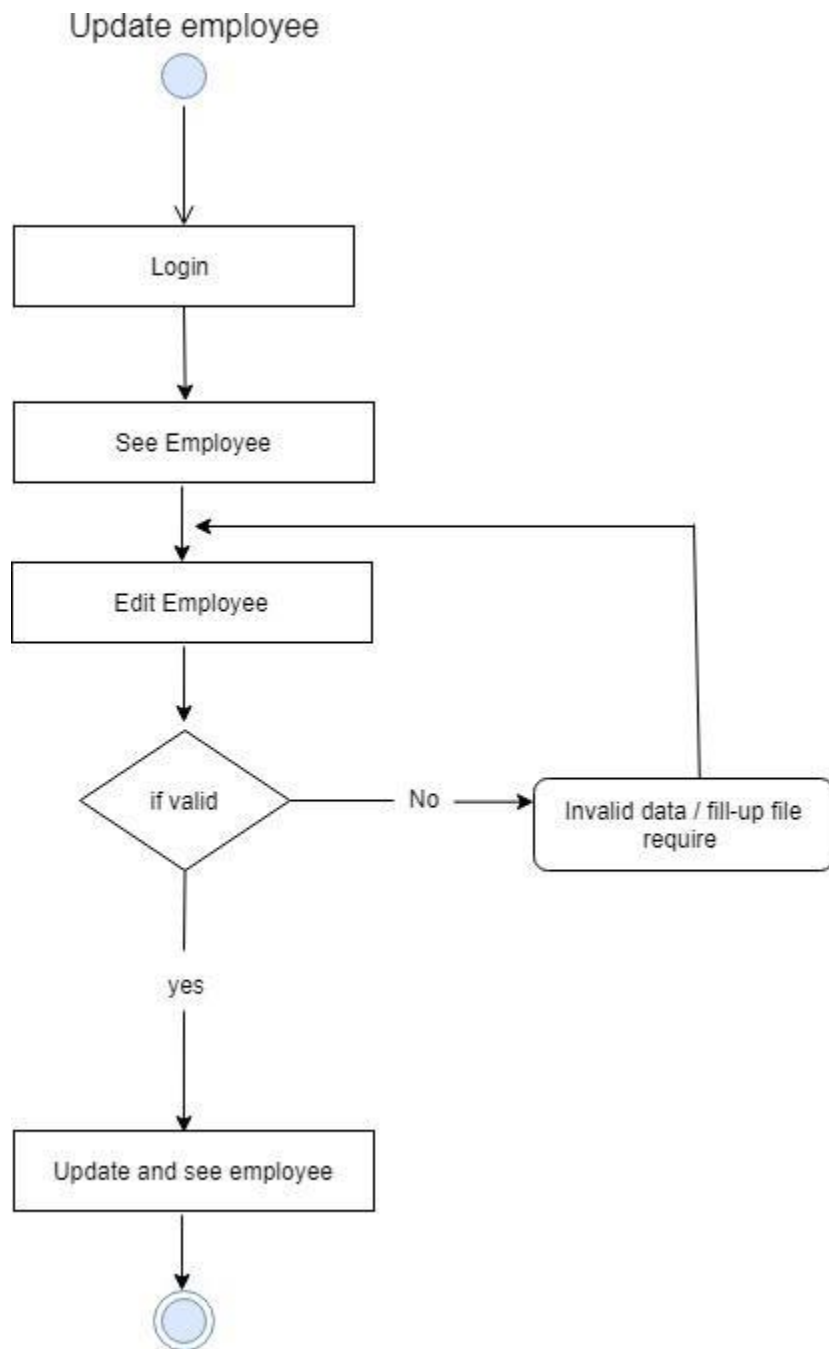
Add Product Activity Diagram

Update Category



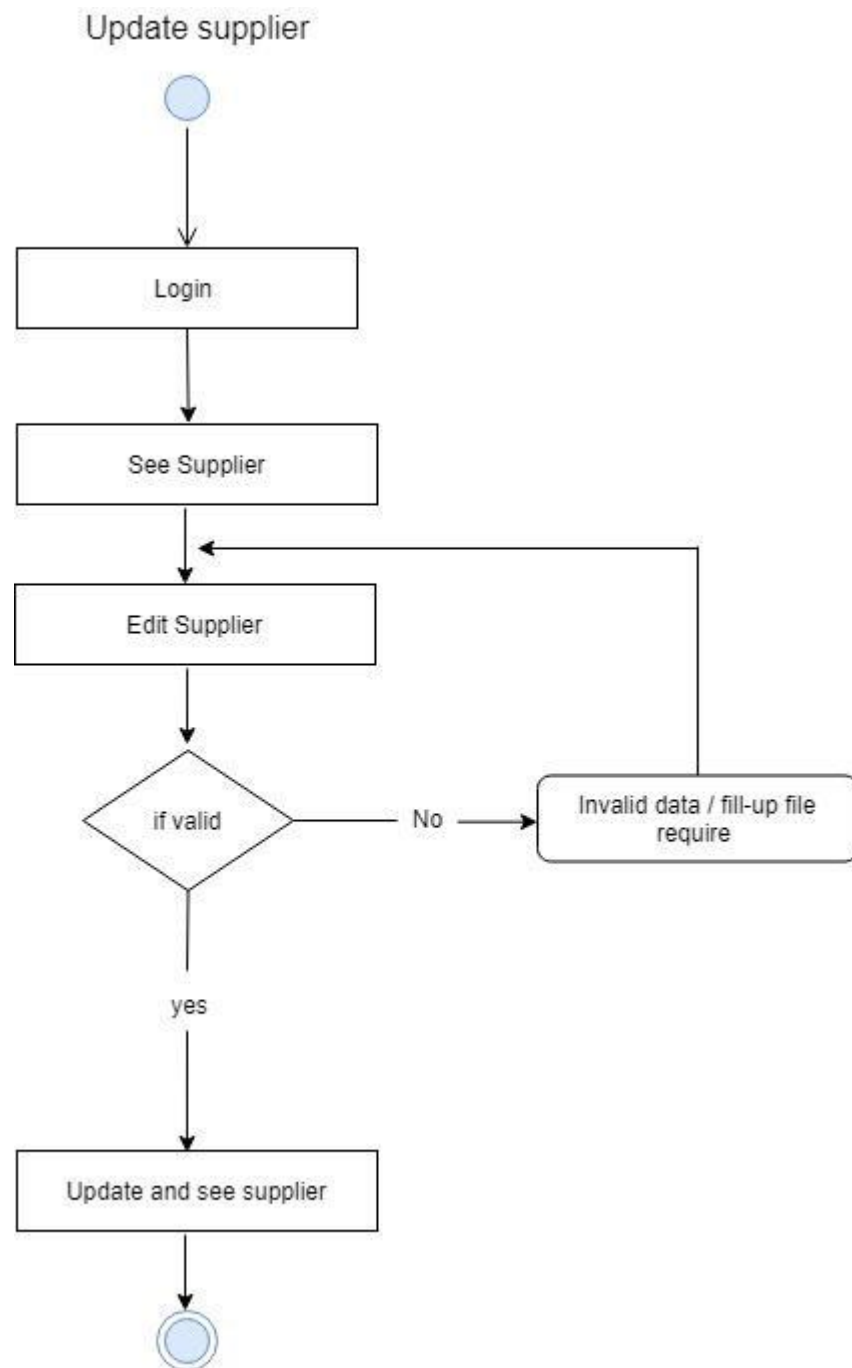
Update Category Activity Diagram

Update Employee



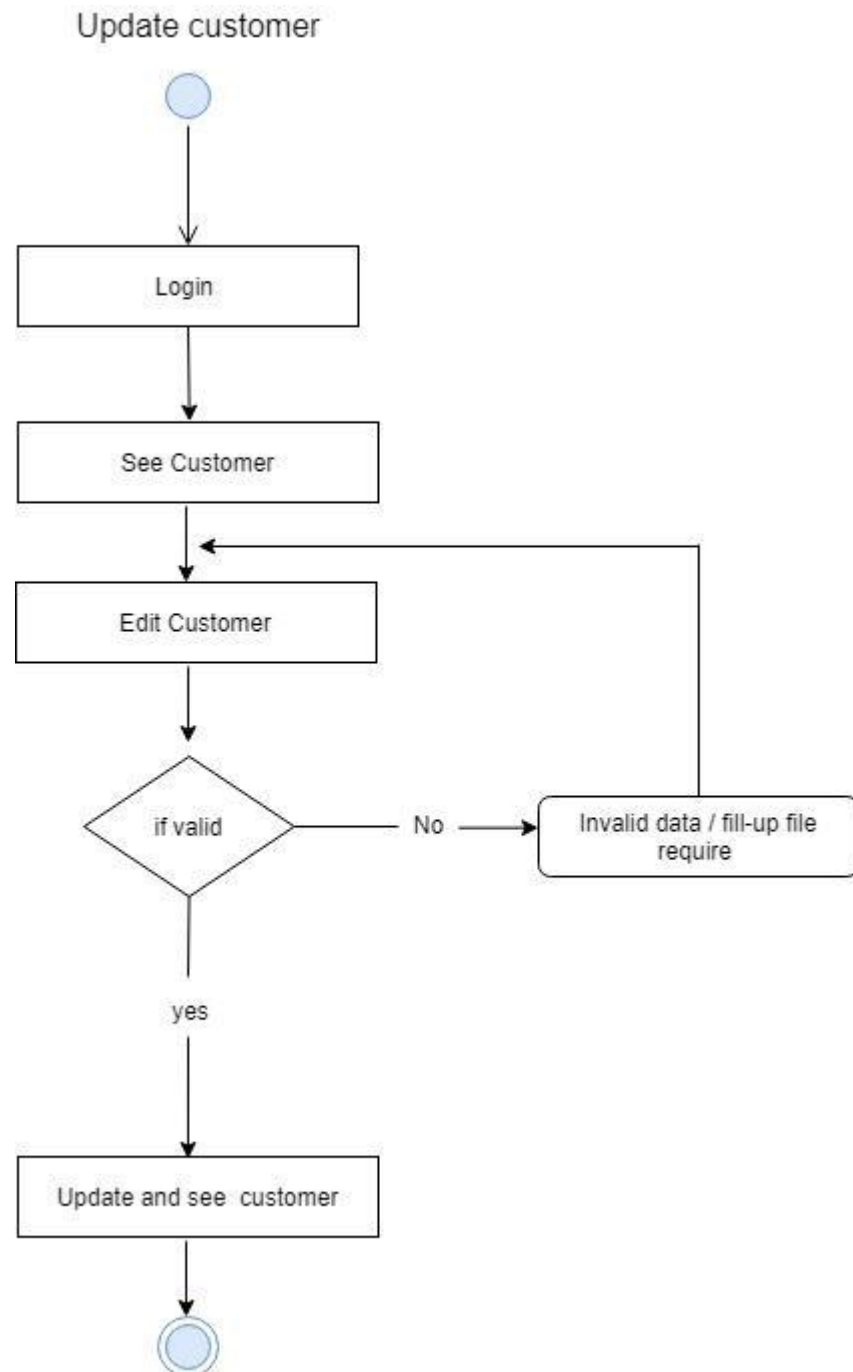
Update Employee Activity Diagram

Update Supplier



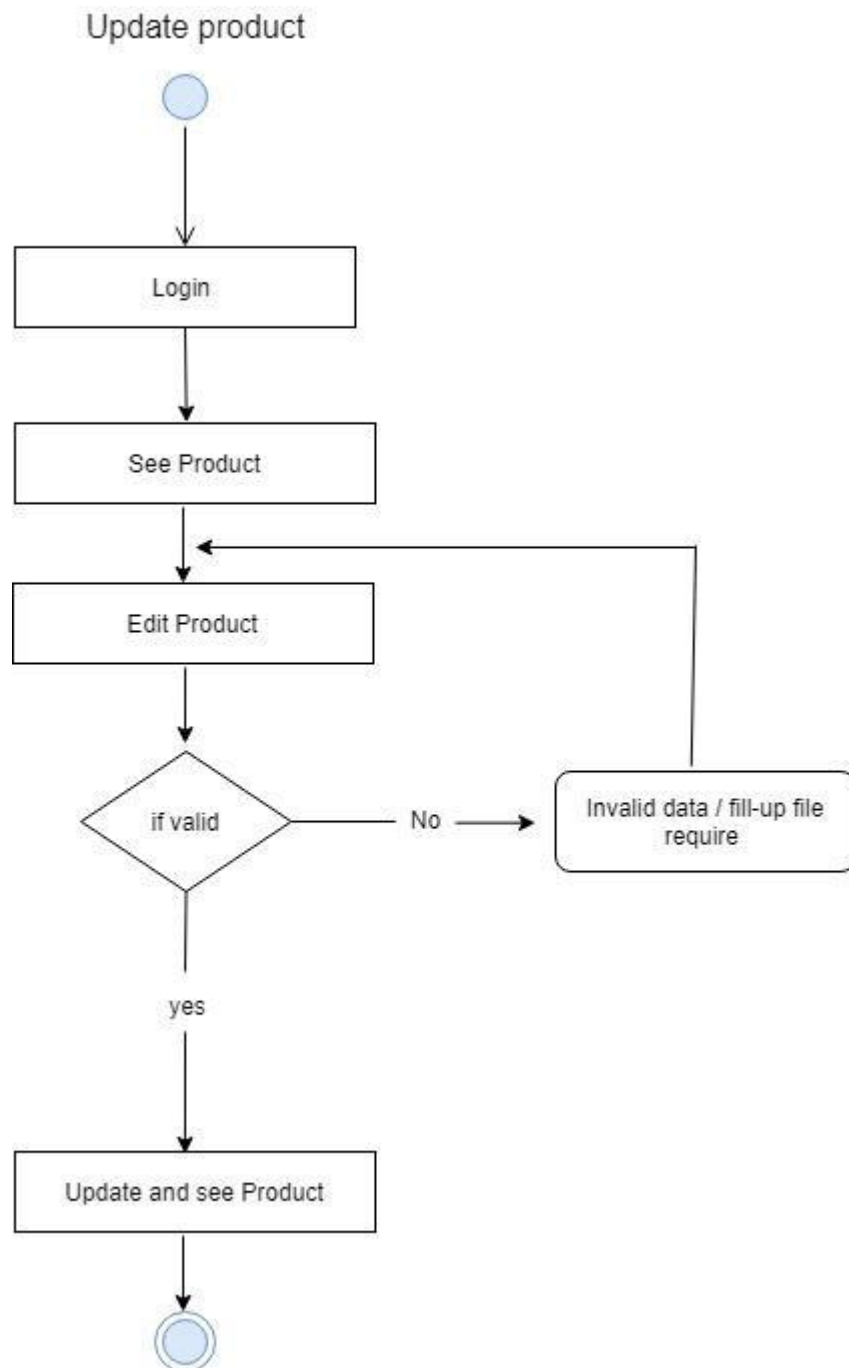
Update Supplier Activity Diagram

Update Customer



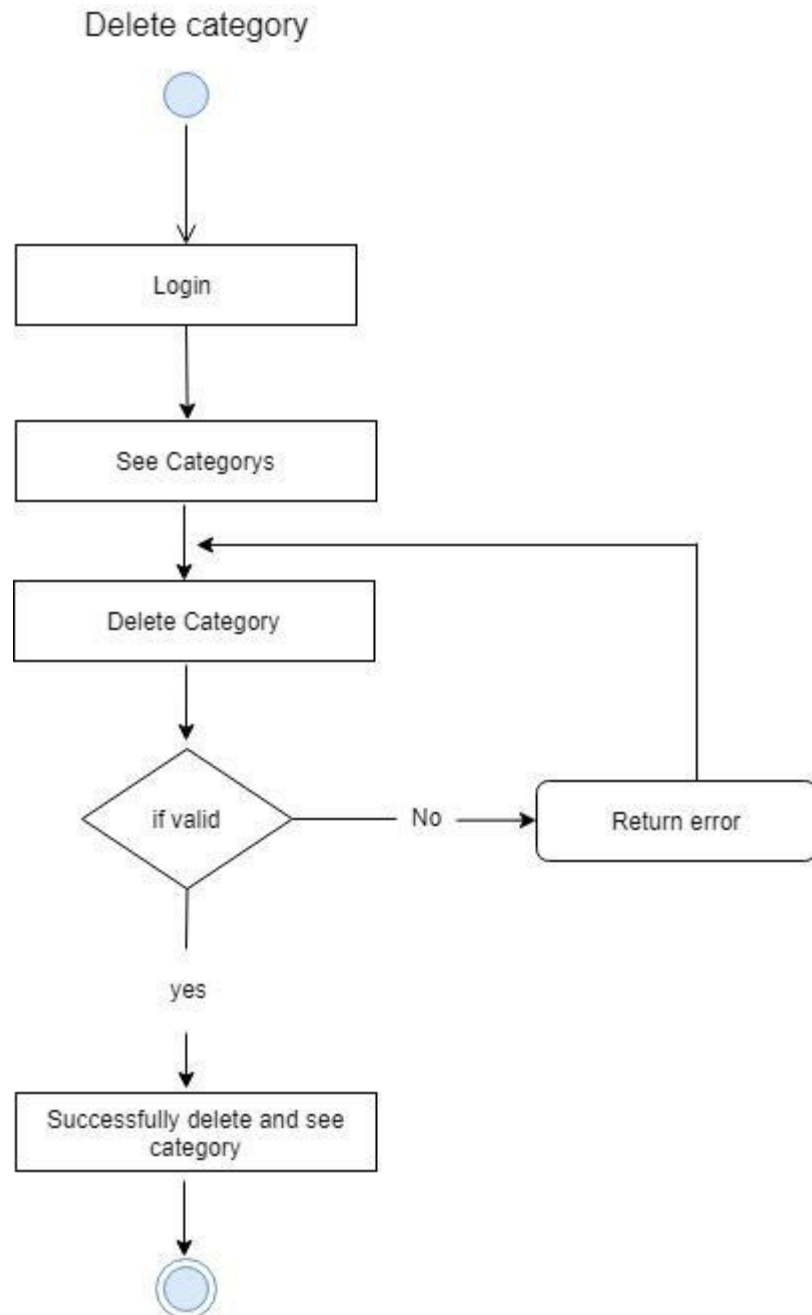
Update Customer Activity Diagram

Update Product



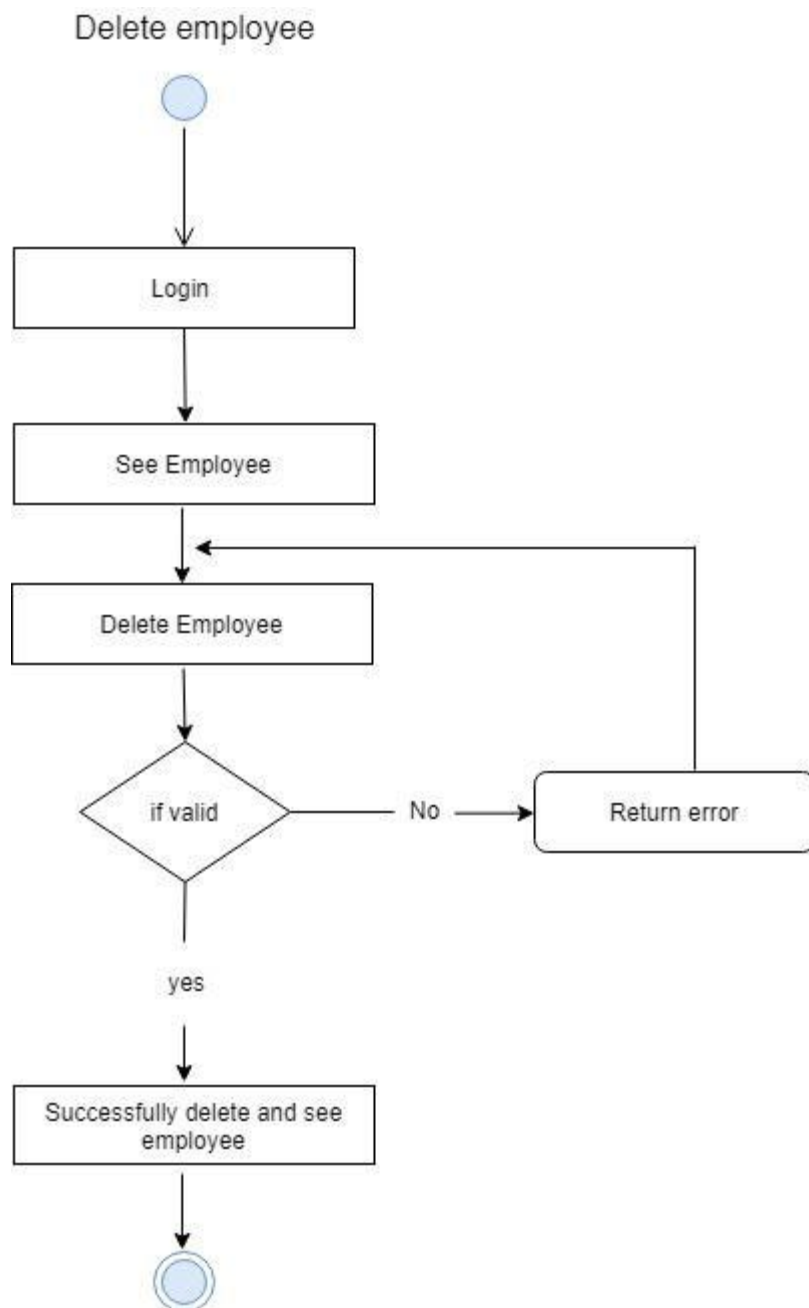
Update Product Activity Diagram

Delete Category



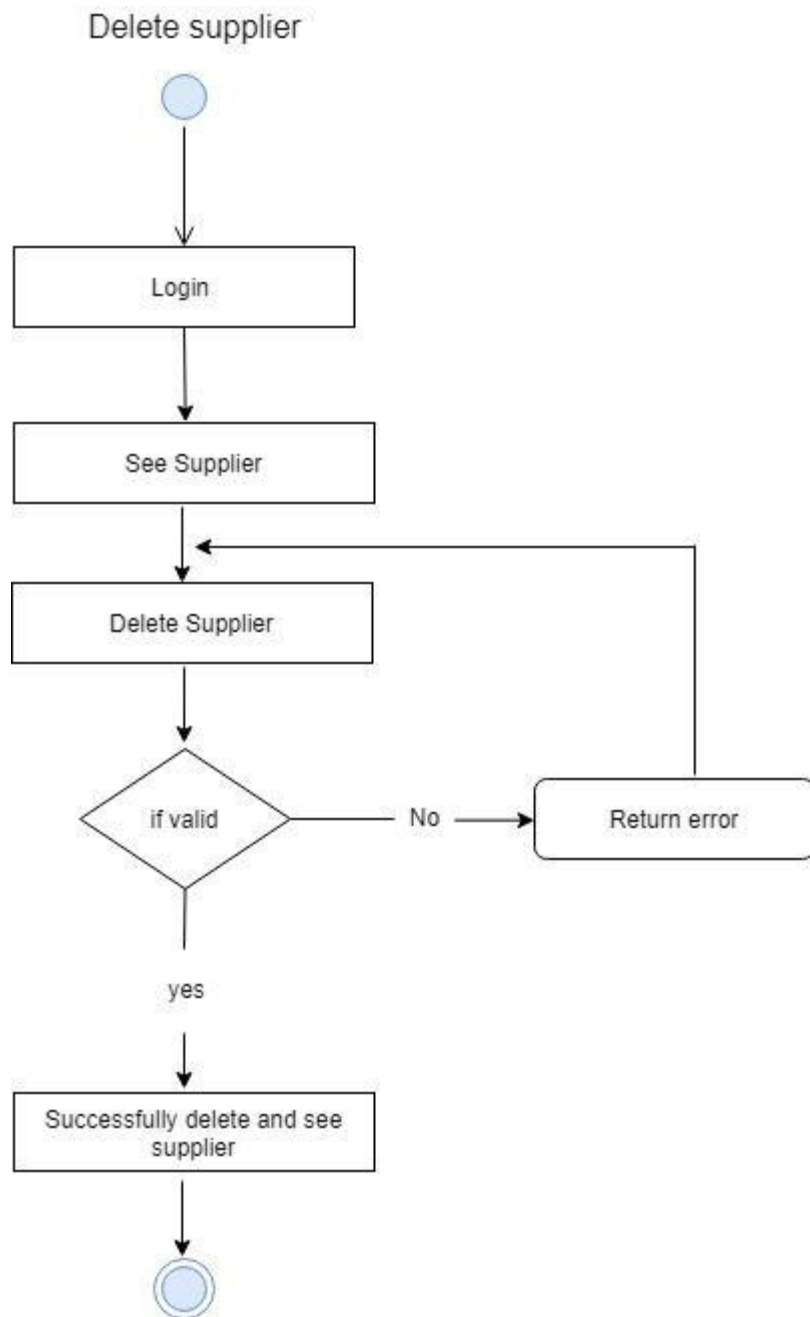
Admin Login Activity Diagram

Delete Employee



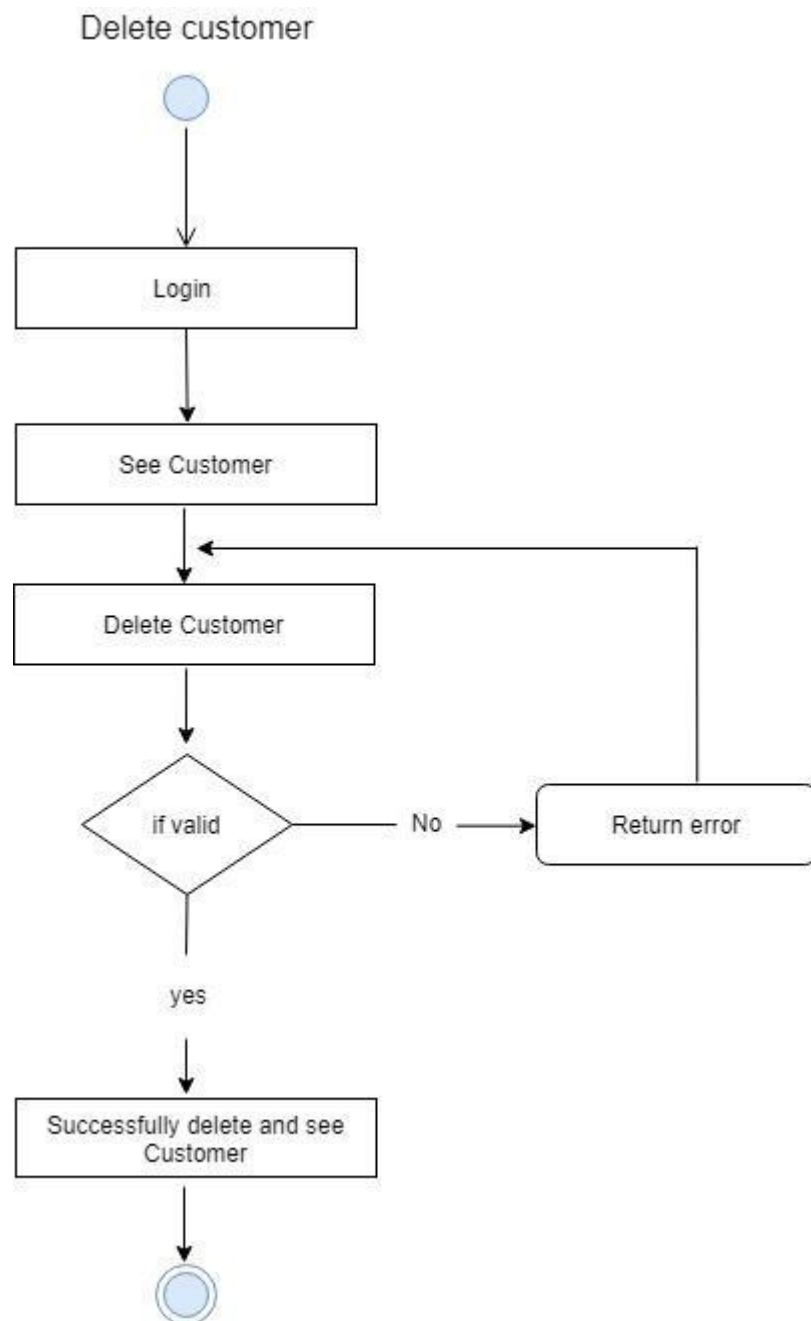
Delete Employee Activity Diagram

Delete Supplier



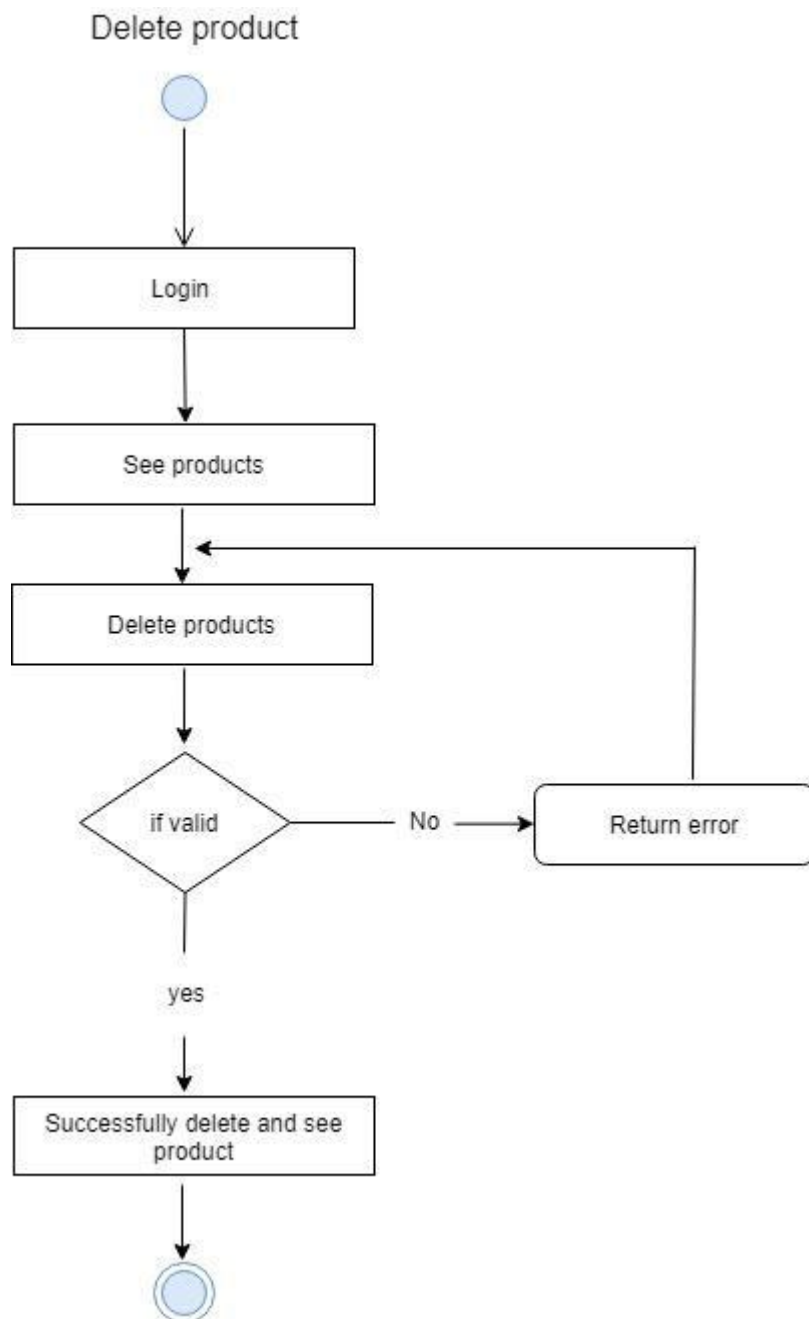
Delete Supplier Activity Diagram

Delete Customer



Delete Customer Activity Diagram

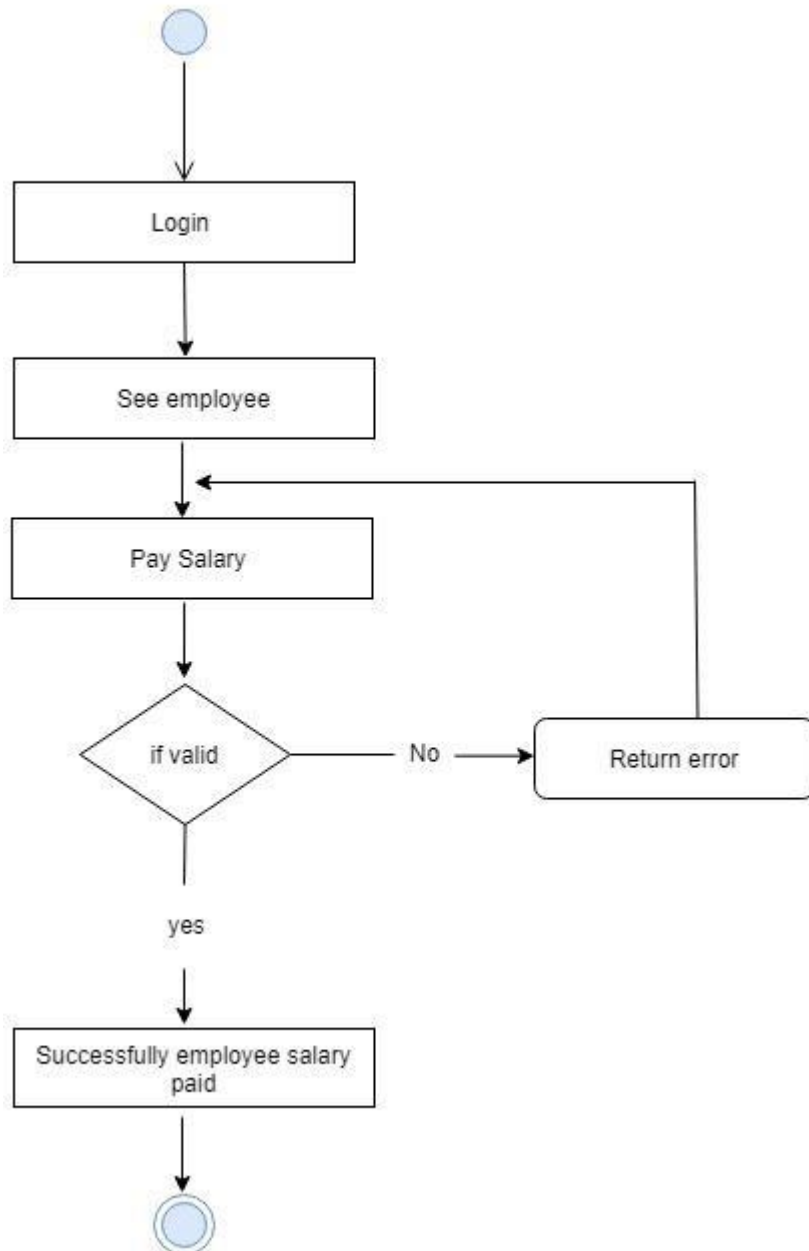
Delete Product



Delete Product Activity Diagram

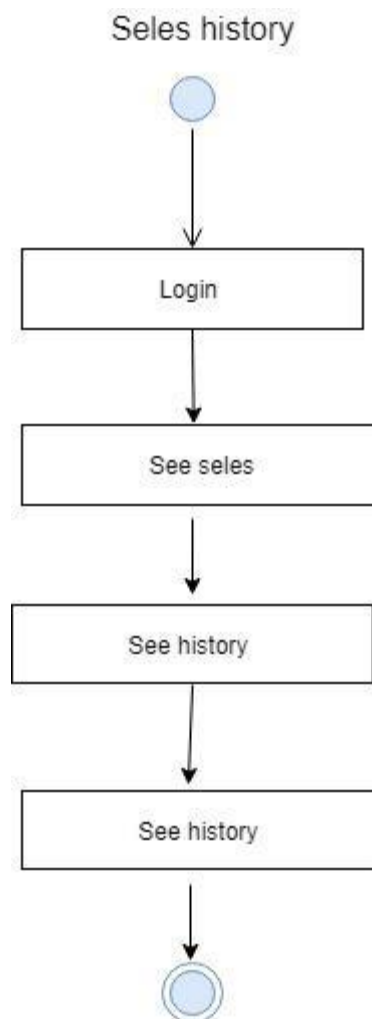
Employee Salary Payable

Employee salary payable



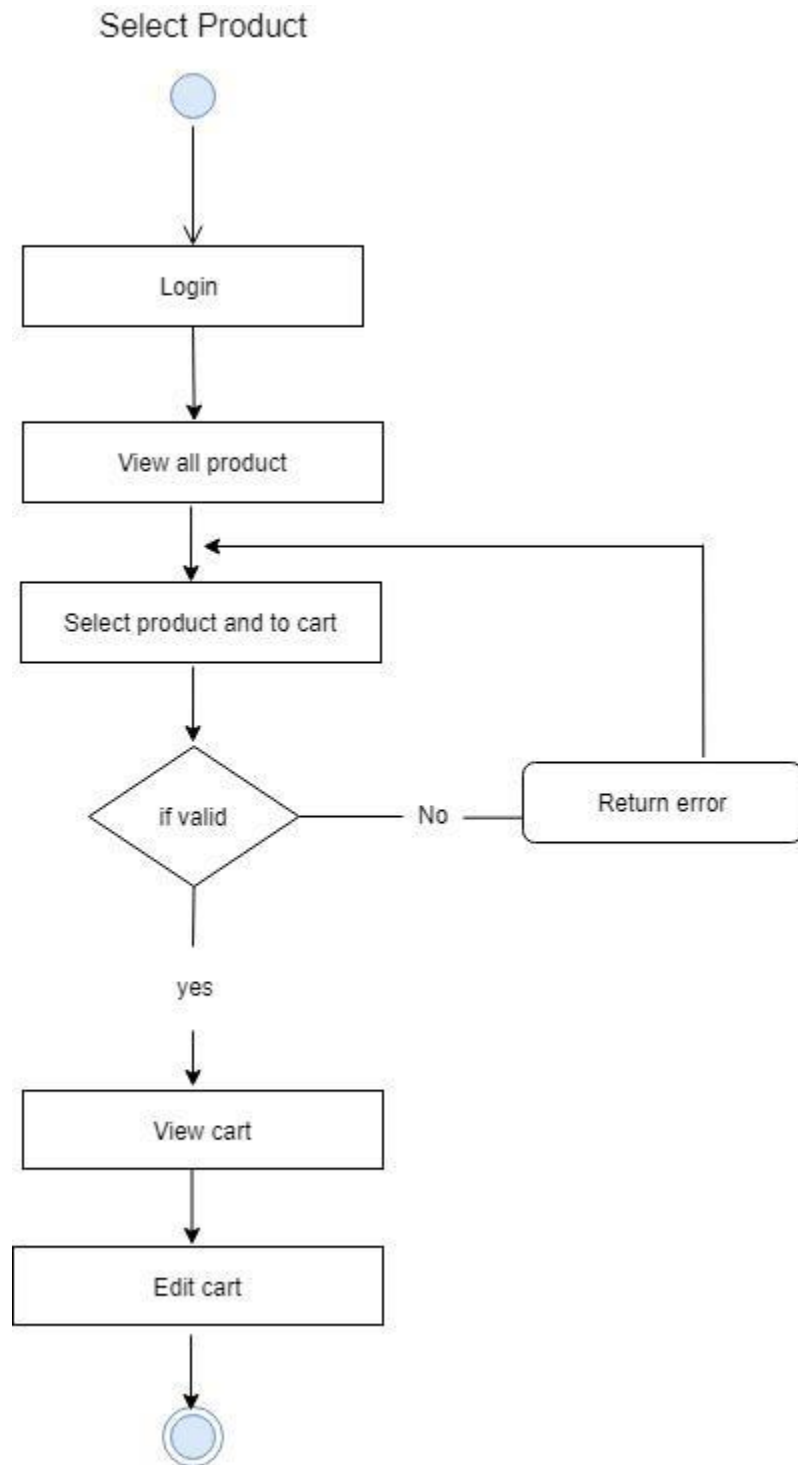
Salary Payable Activity Diagram

Sales History



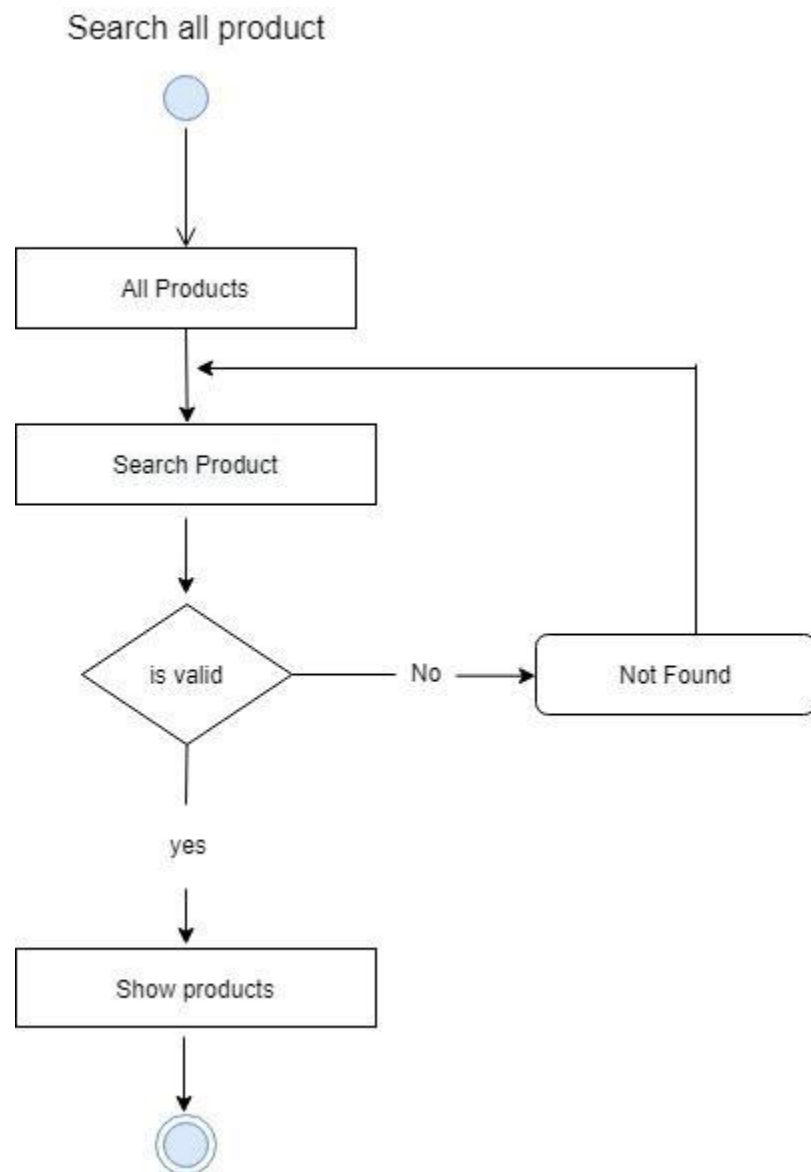
Sales History Activity Diagram

Select Product



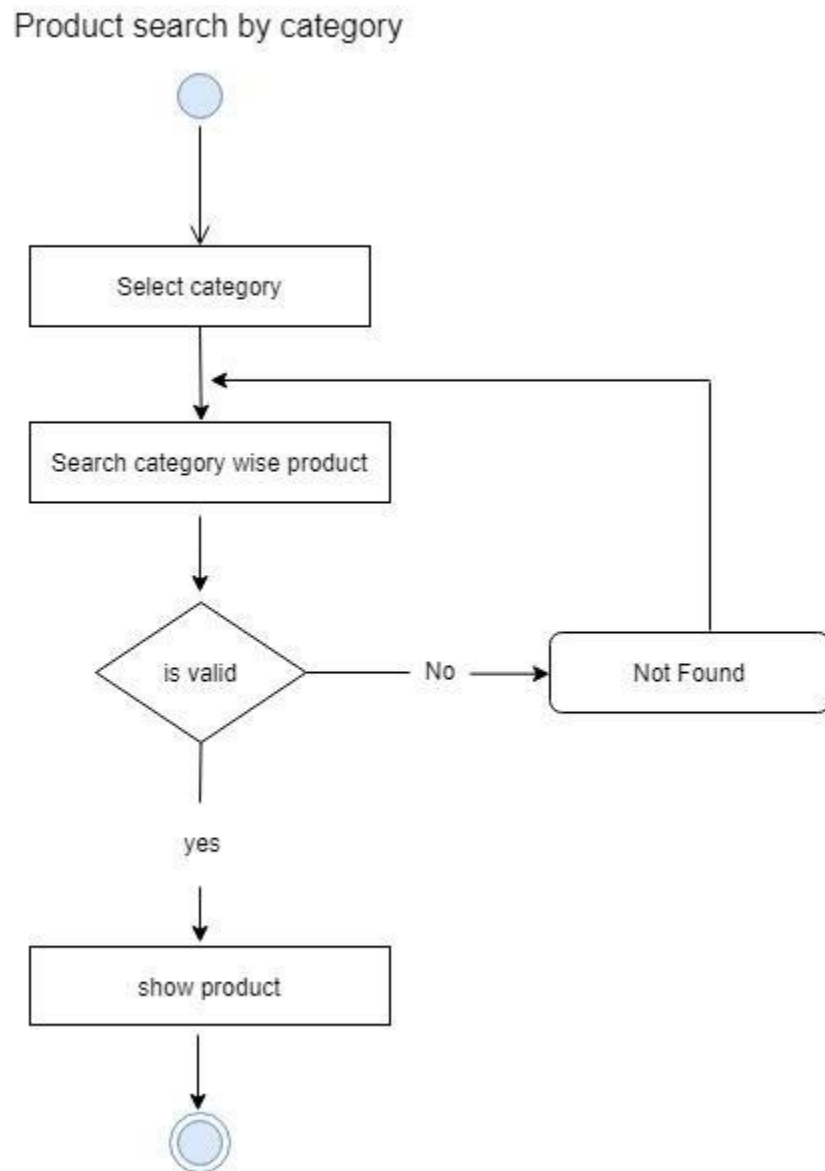
Select Product Activity Diagram

Search All Product Login



Search all Product Activity Diagram

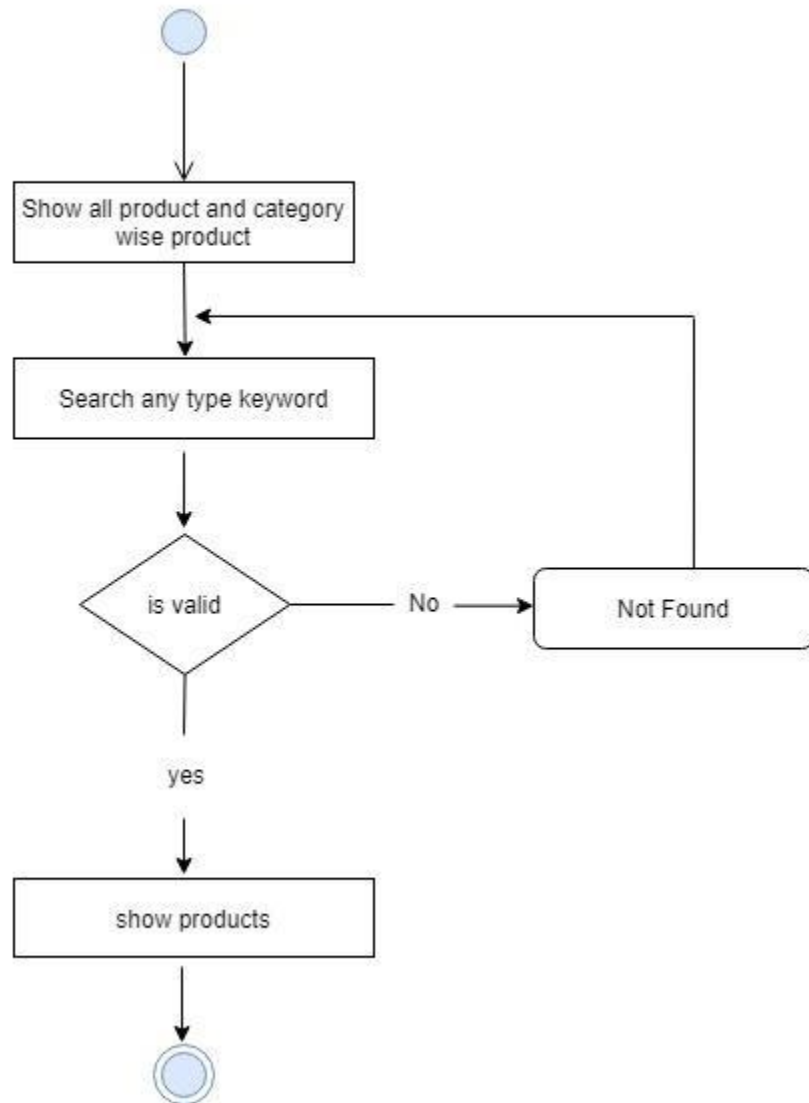
Product Search By Category



Product Search by Category Activity Diagram

Search by Keyword Login

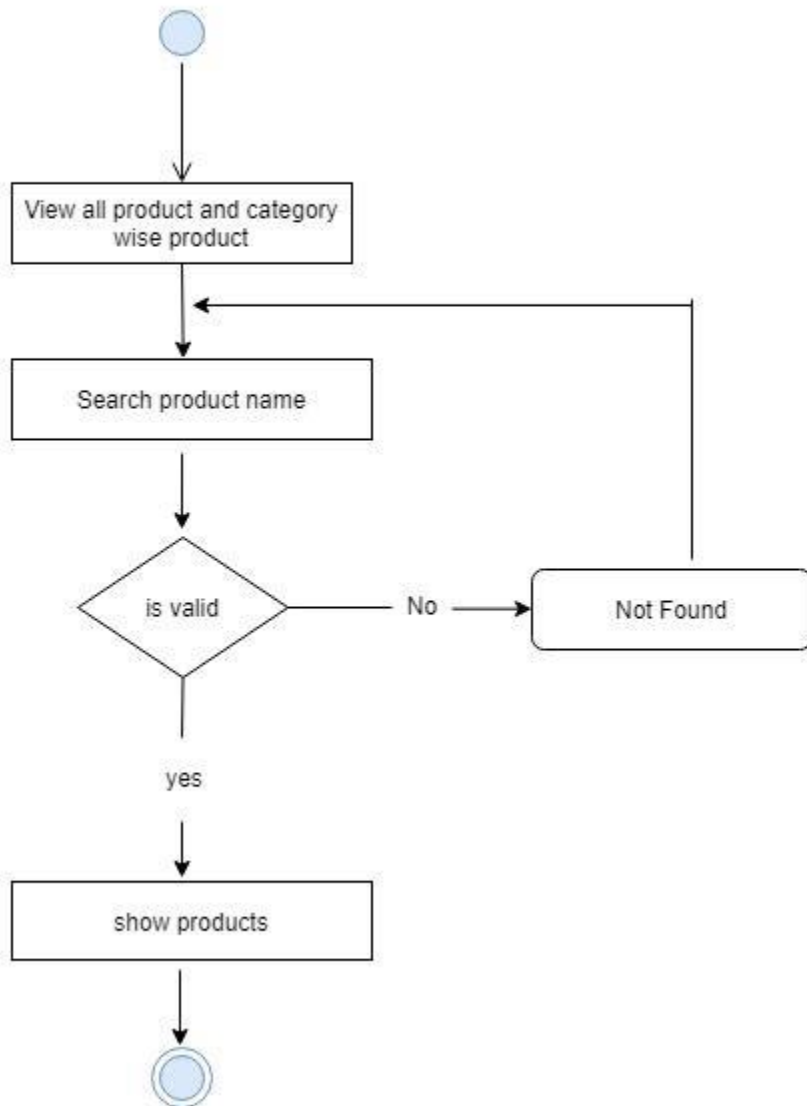
Product search by Keyword



Search by keyword Activity Diagram

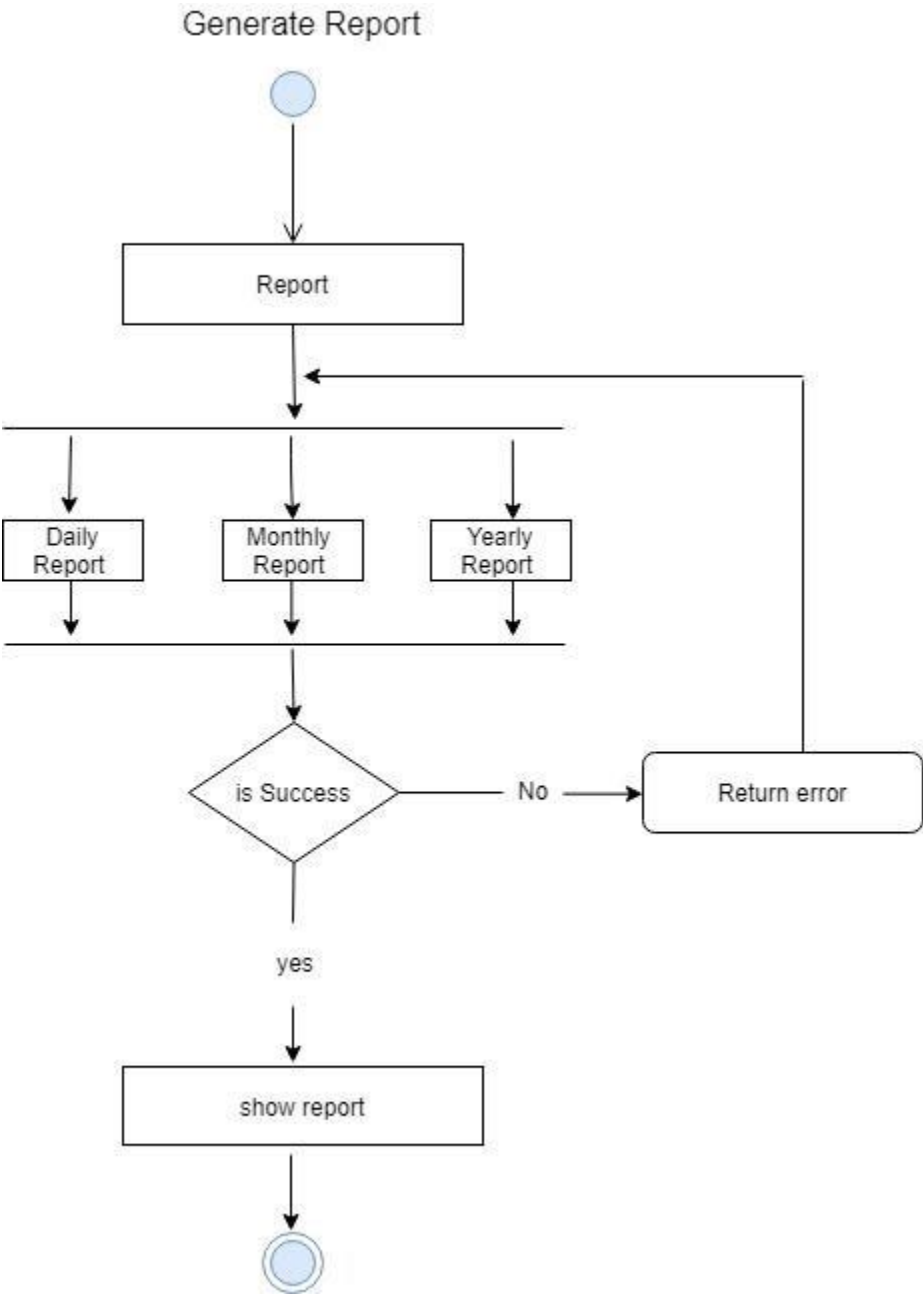
Search by Product Name

Search by Product name



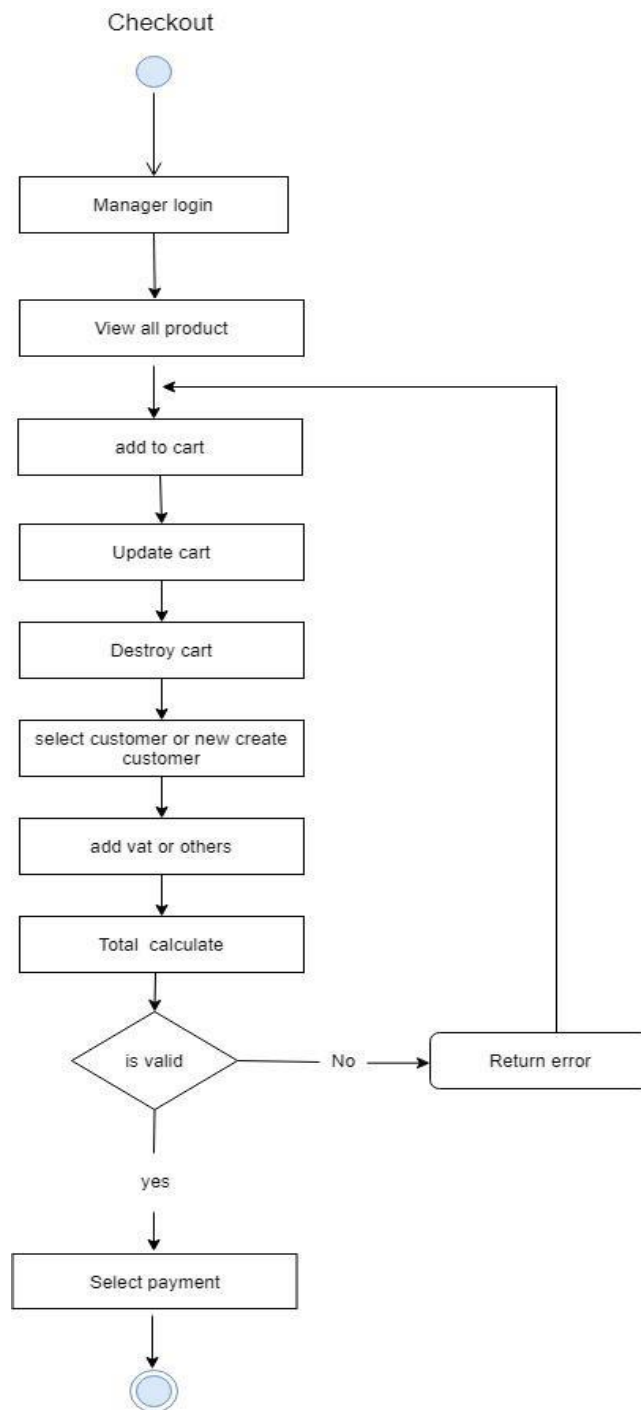
Search by Product Name Activity Diagram

Generate Report Login



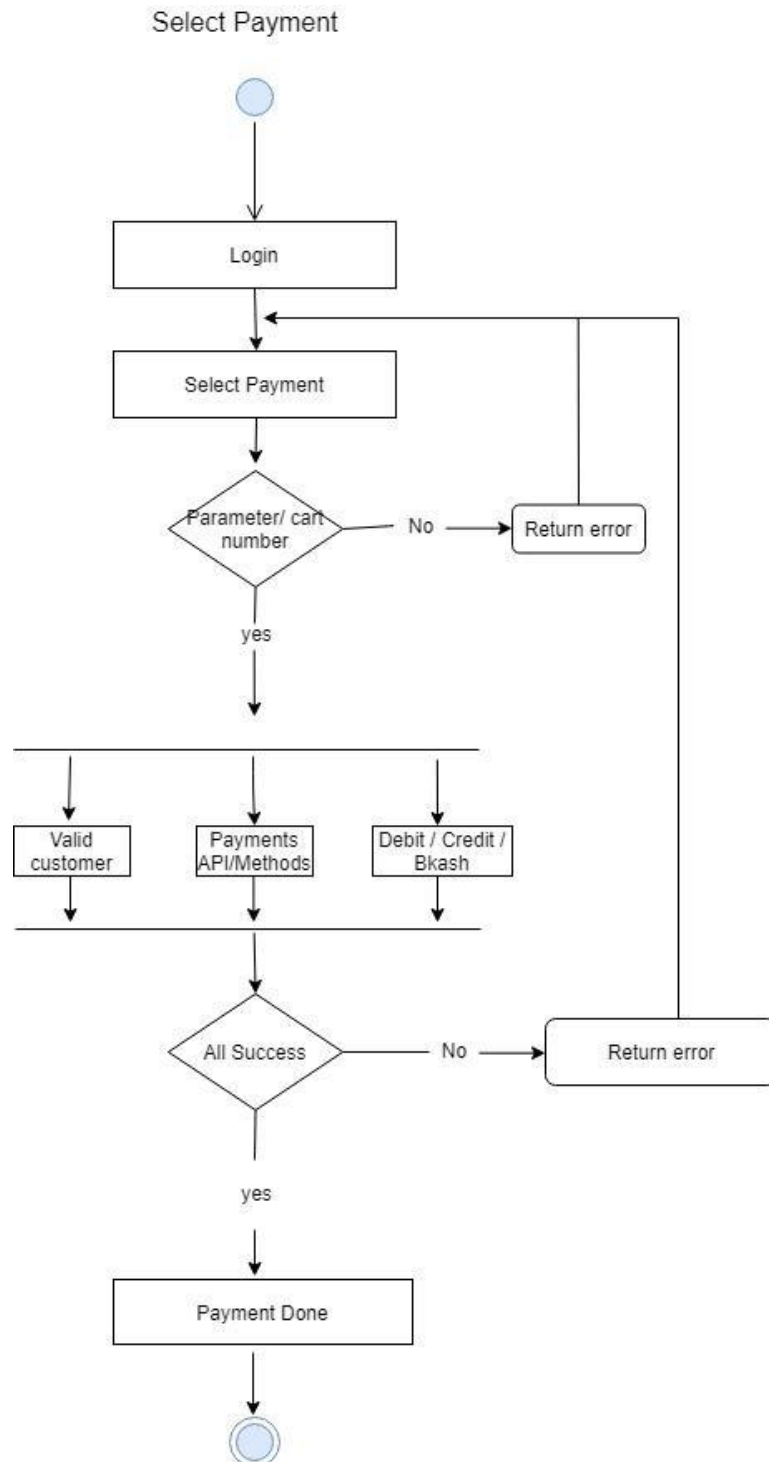
Generate Report Activity Diagram

Checkout



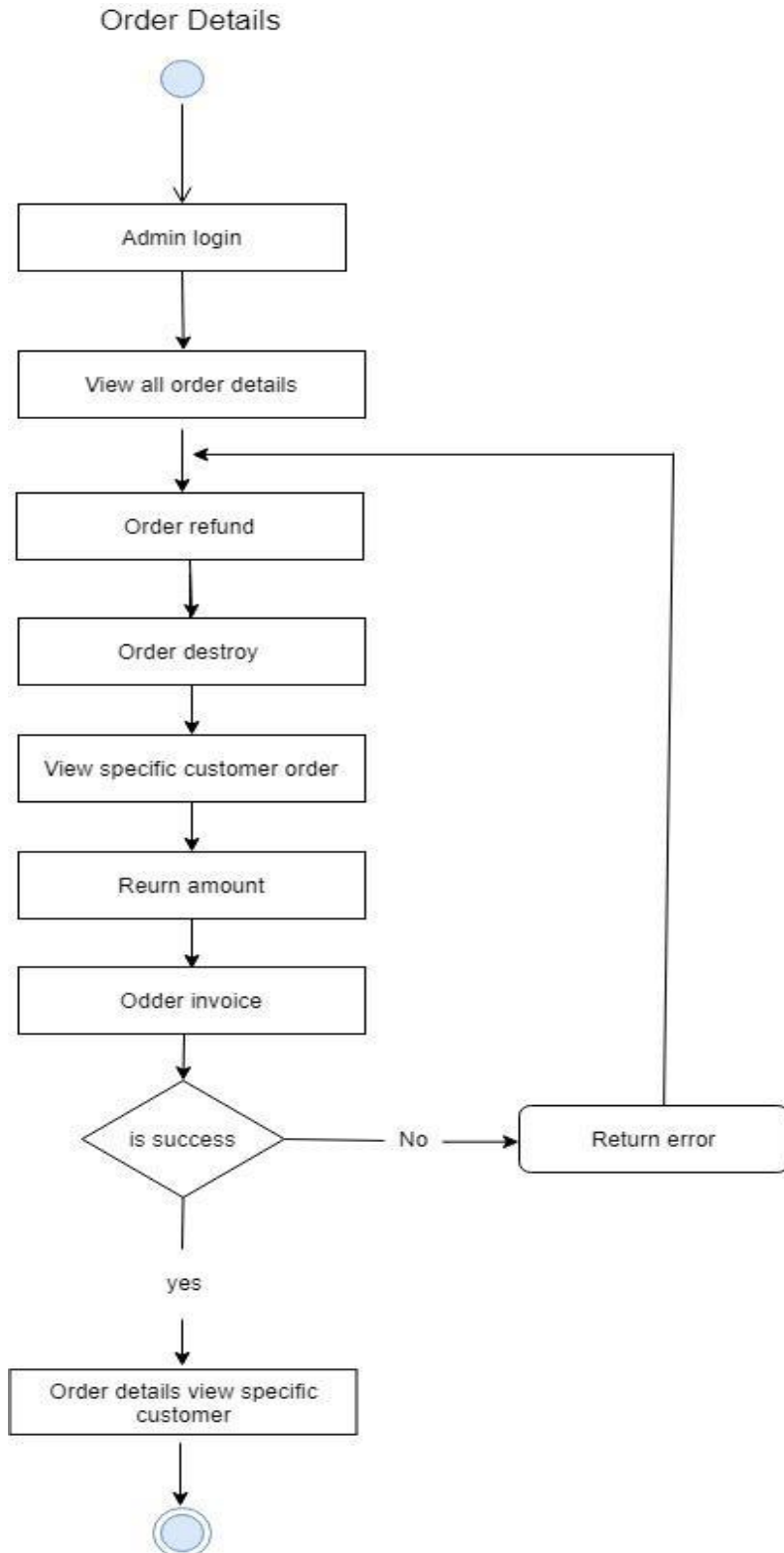
Checkout Activity Diagram

Select Payment



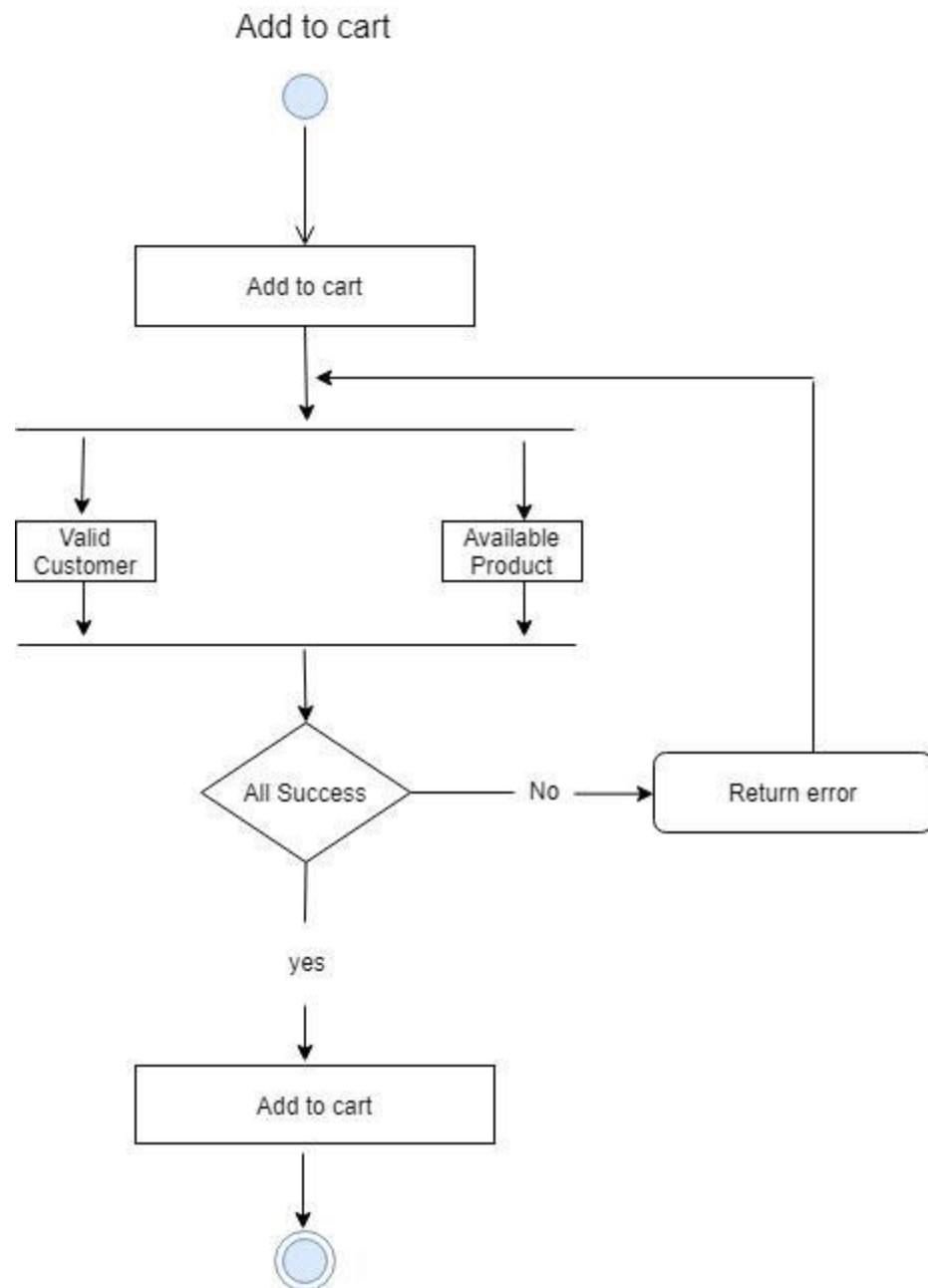
Select Payment Activity Diagram

Order Details



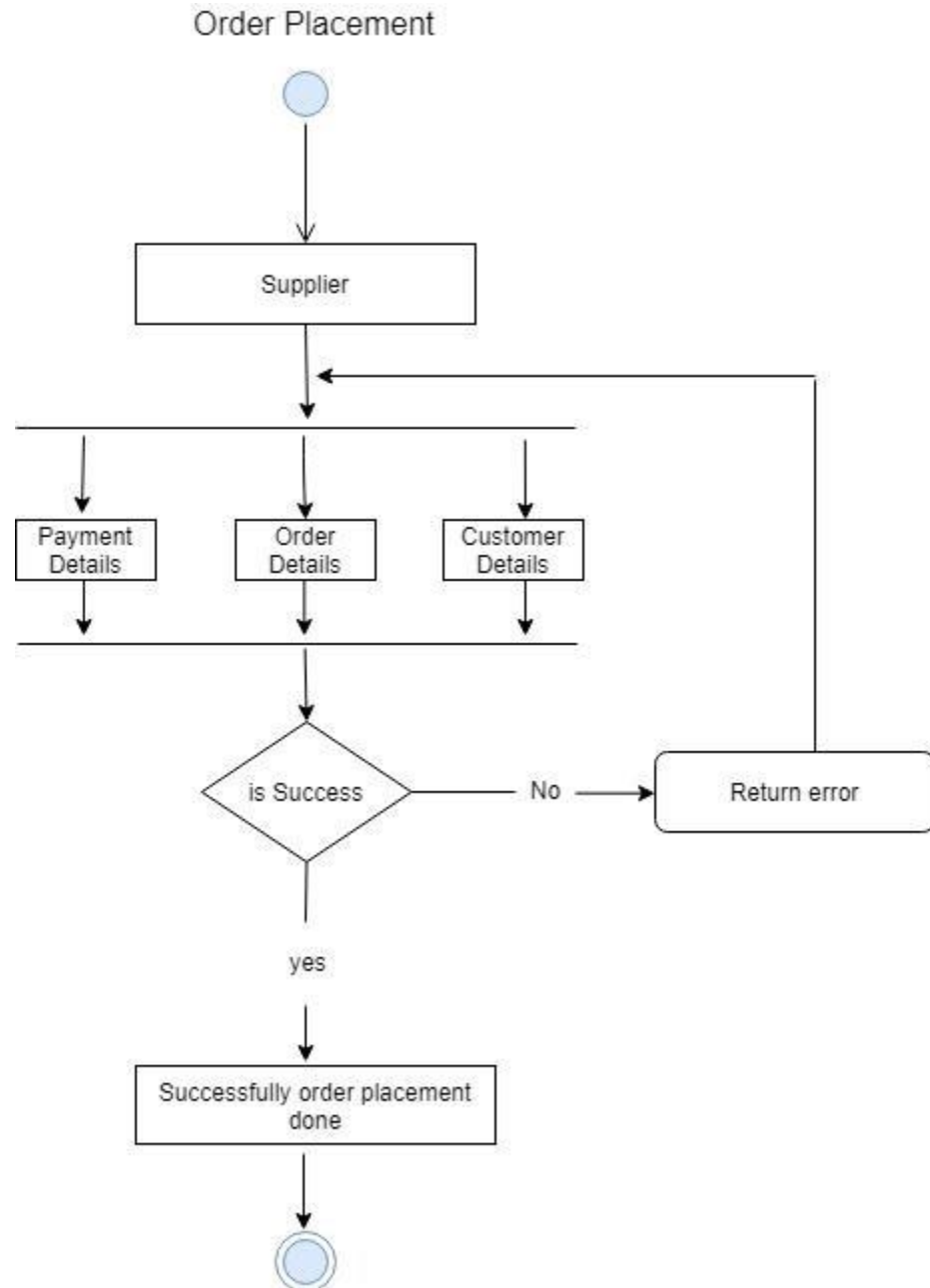
Order Details Activity Diagram

Add to Cart



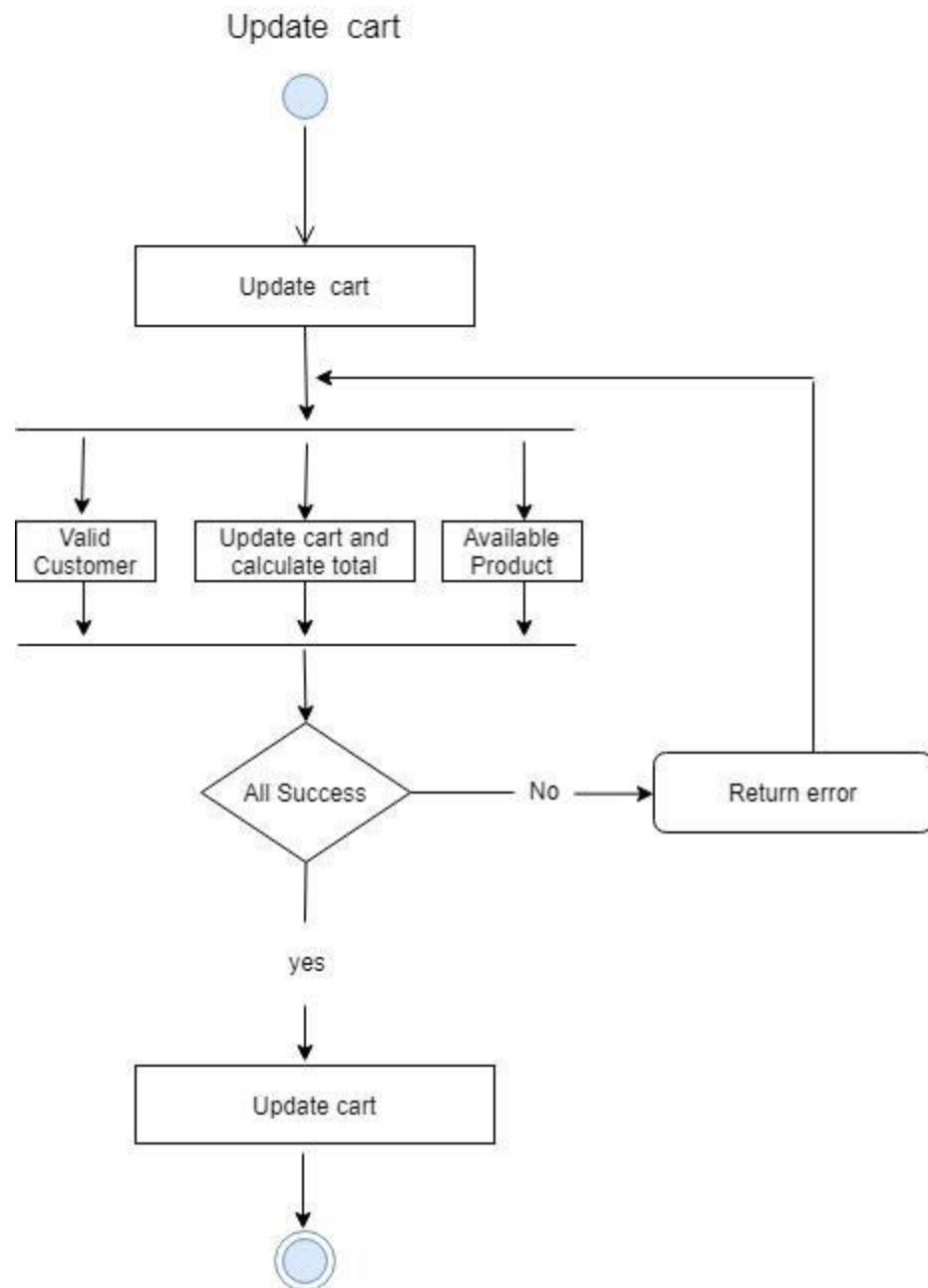
Add To Cart Activity Diagram

Order Placement



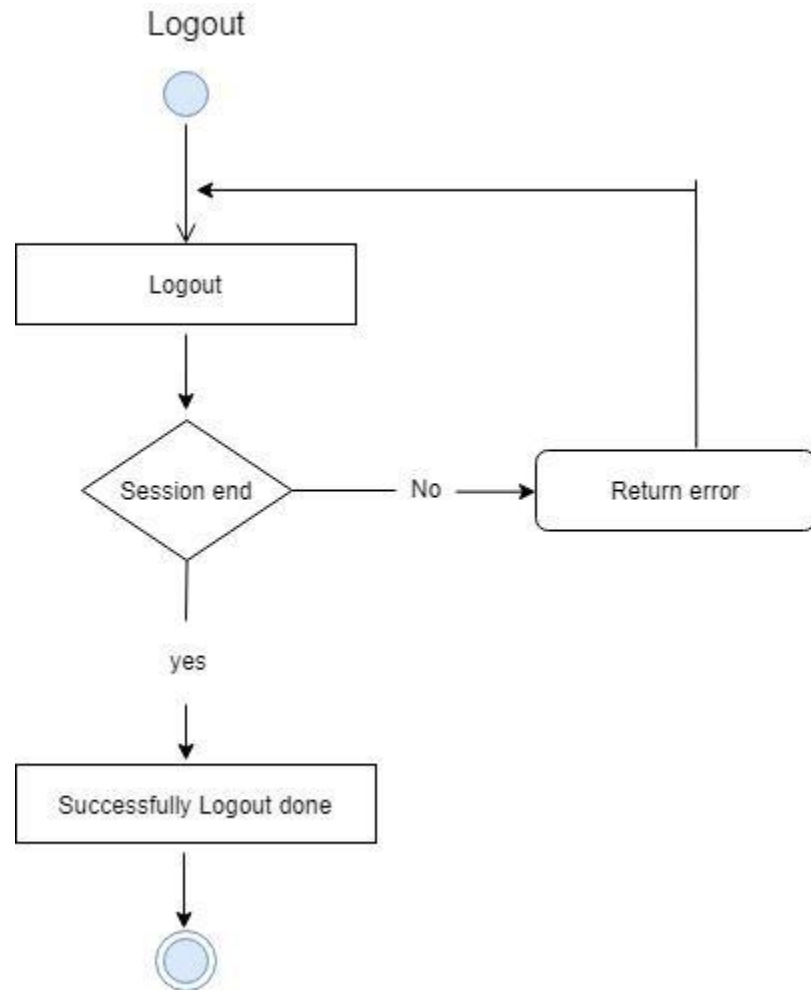
Order Placement Activity Diagram

Update Cart



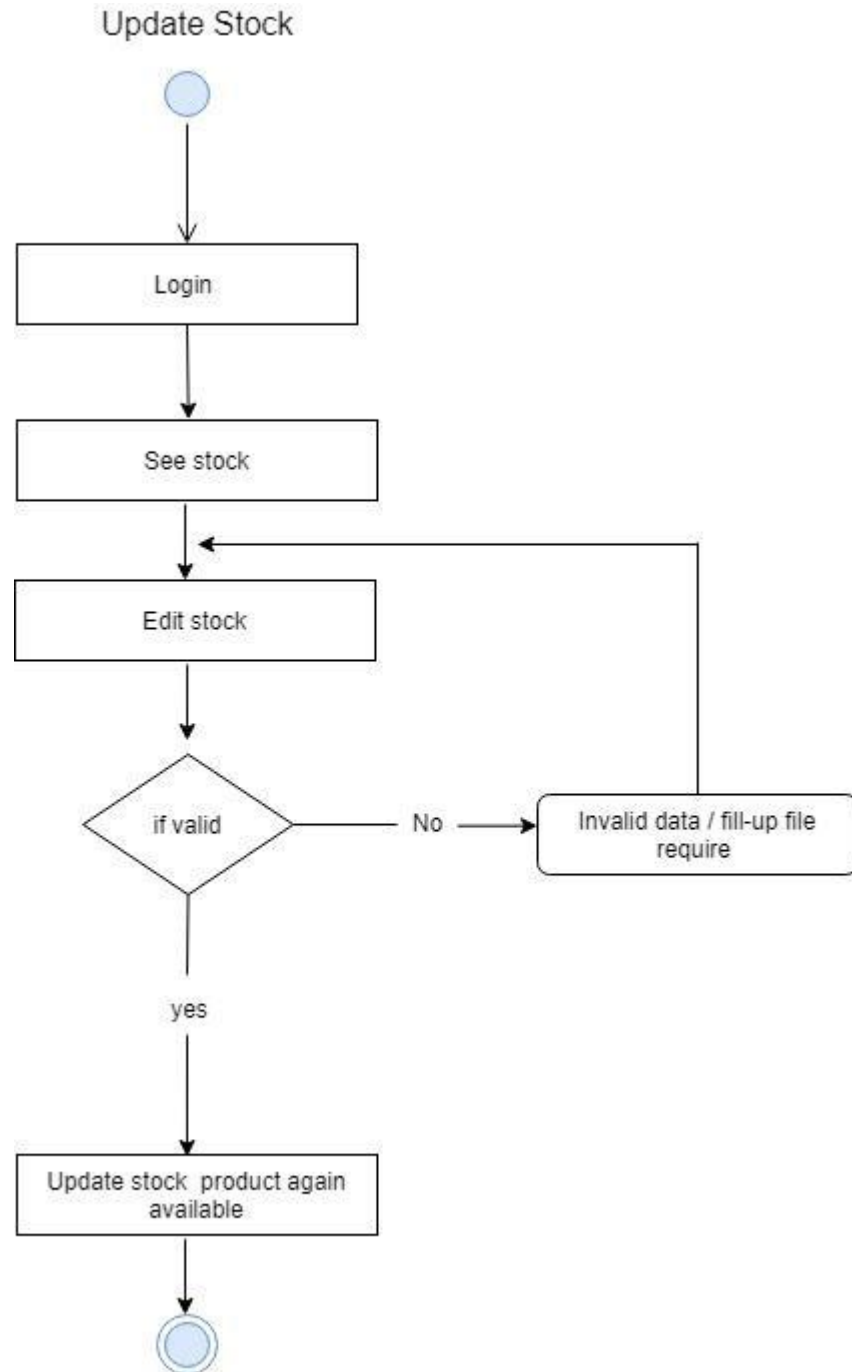
Update Cart Activity Diagram

Logout



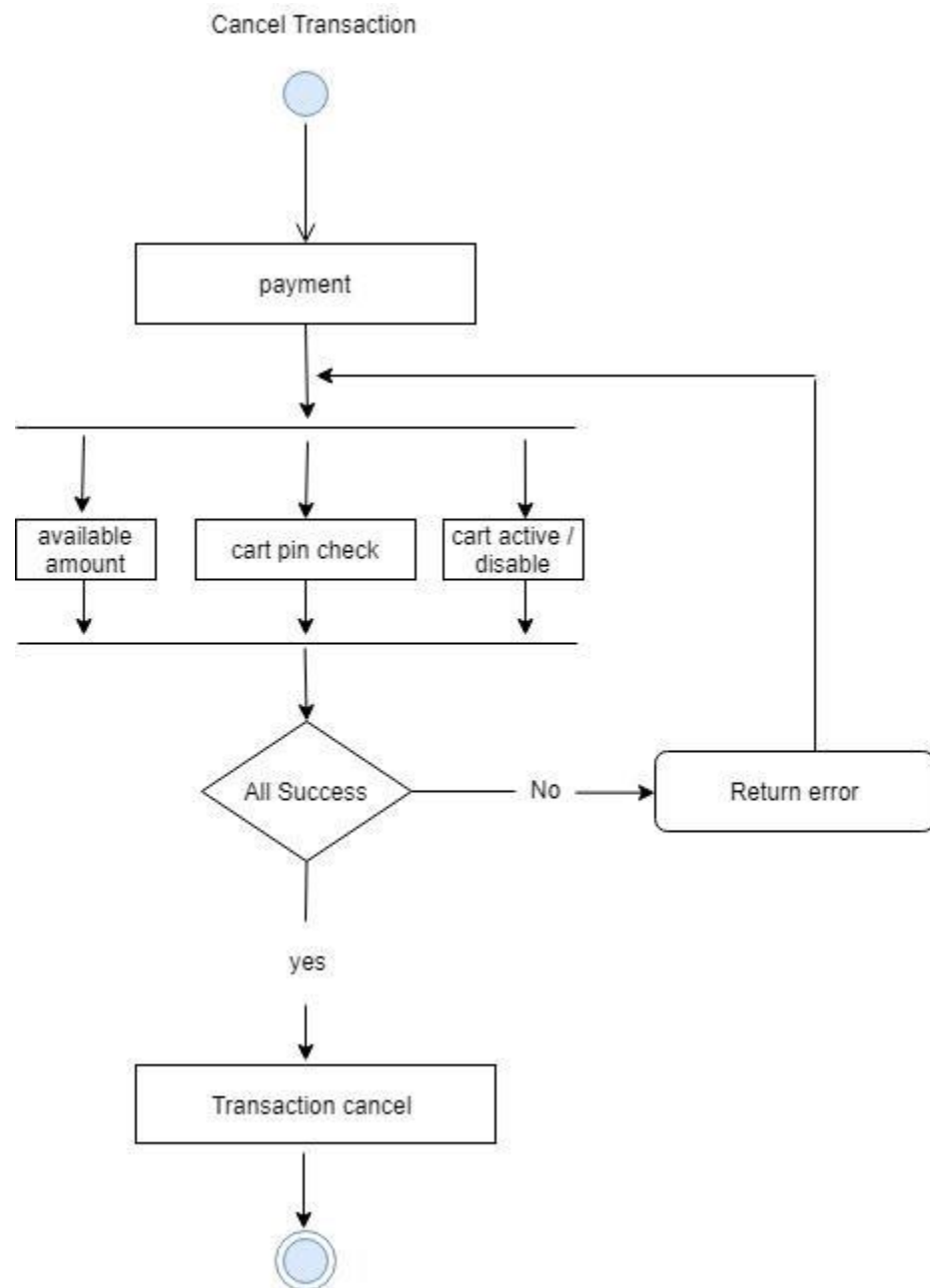
Logout Activity Diagram

Update Stock



Update Stock Activity Diagram

Cancel Transaction



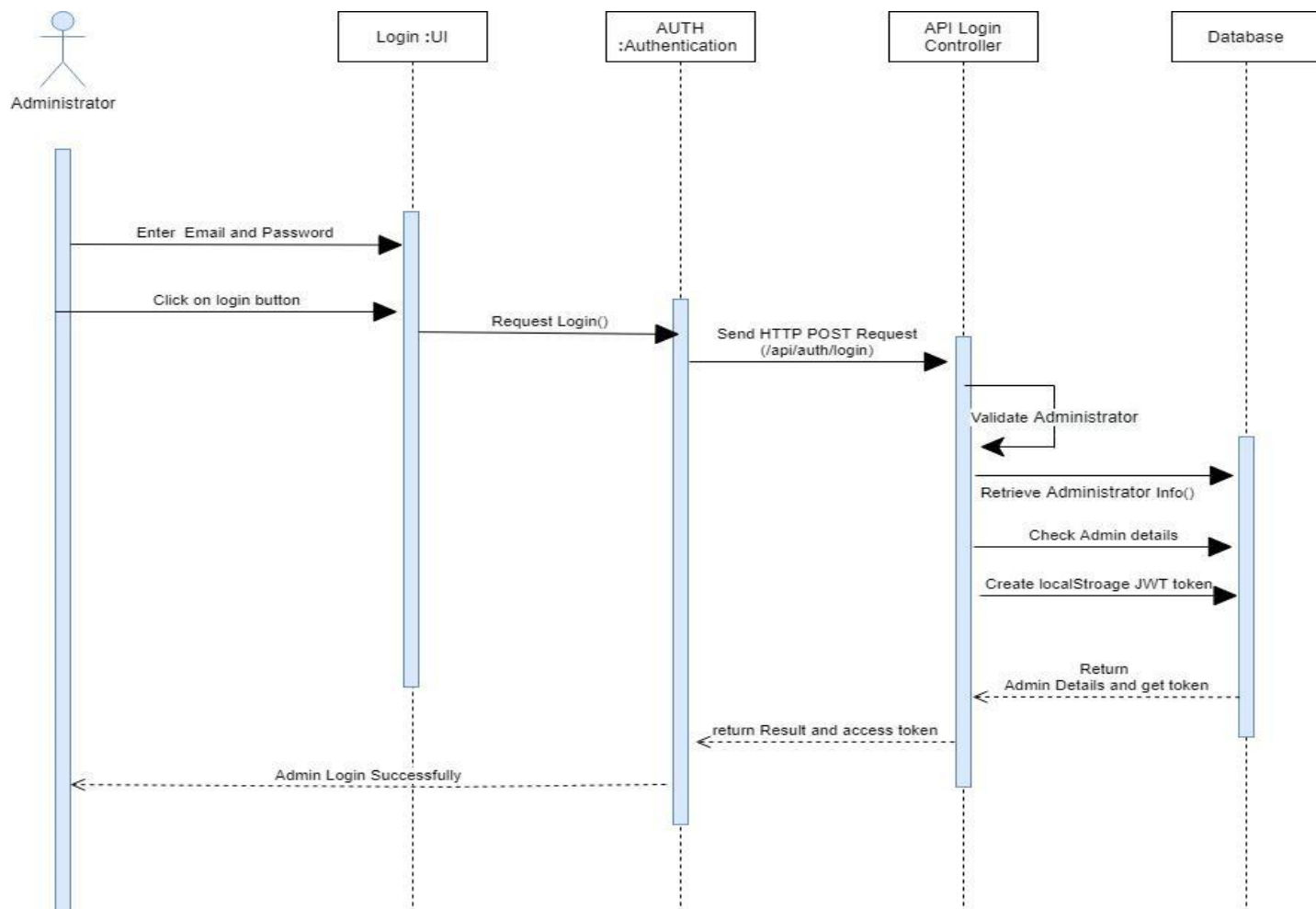
Cancel Transaction Activity Diagram

CHAPTER-04

4.1 Sequence Diagram

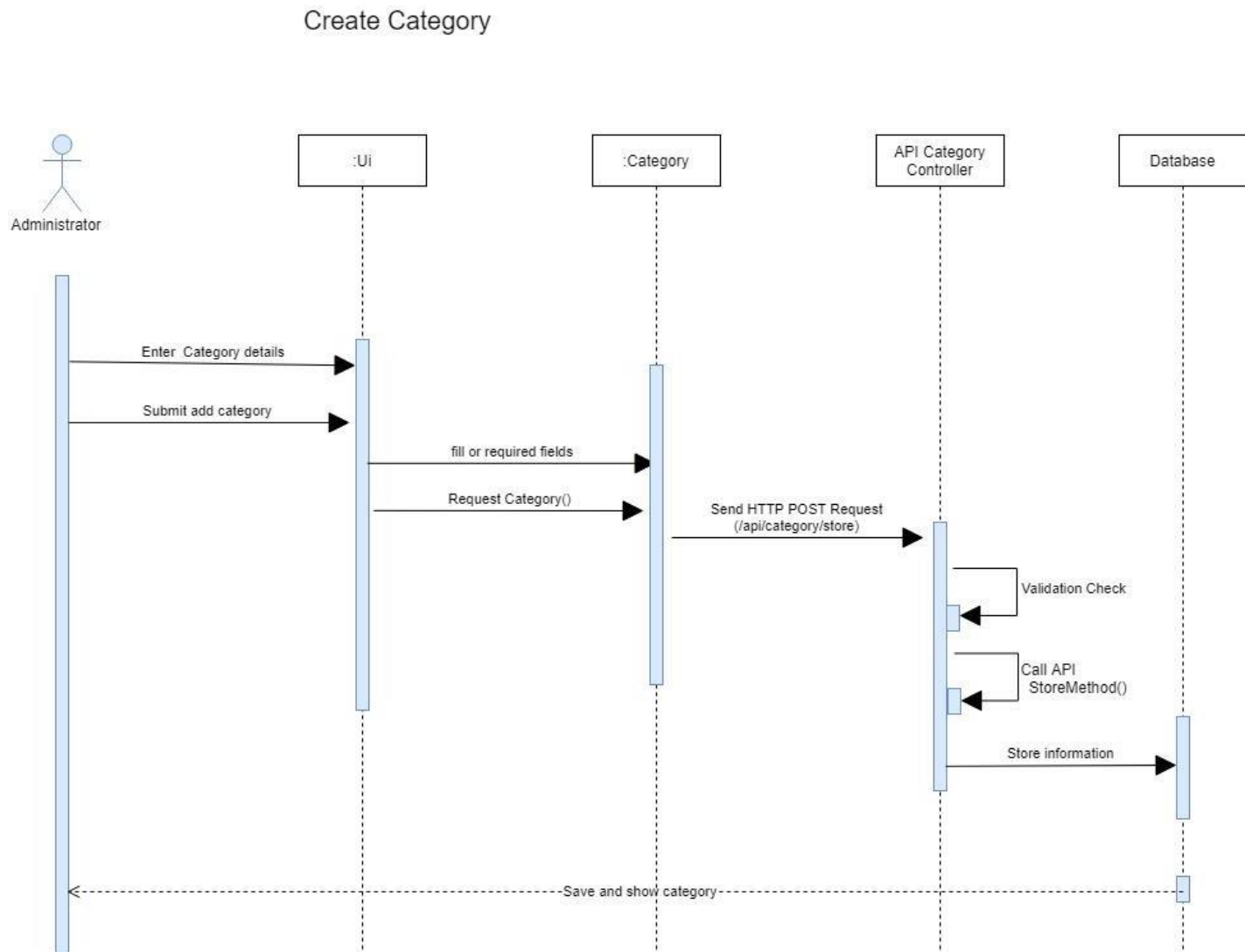
Sequence diagram show the process in sequential way that it's actor done. Sequence Diagram describe the sequence system to database.

Login



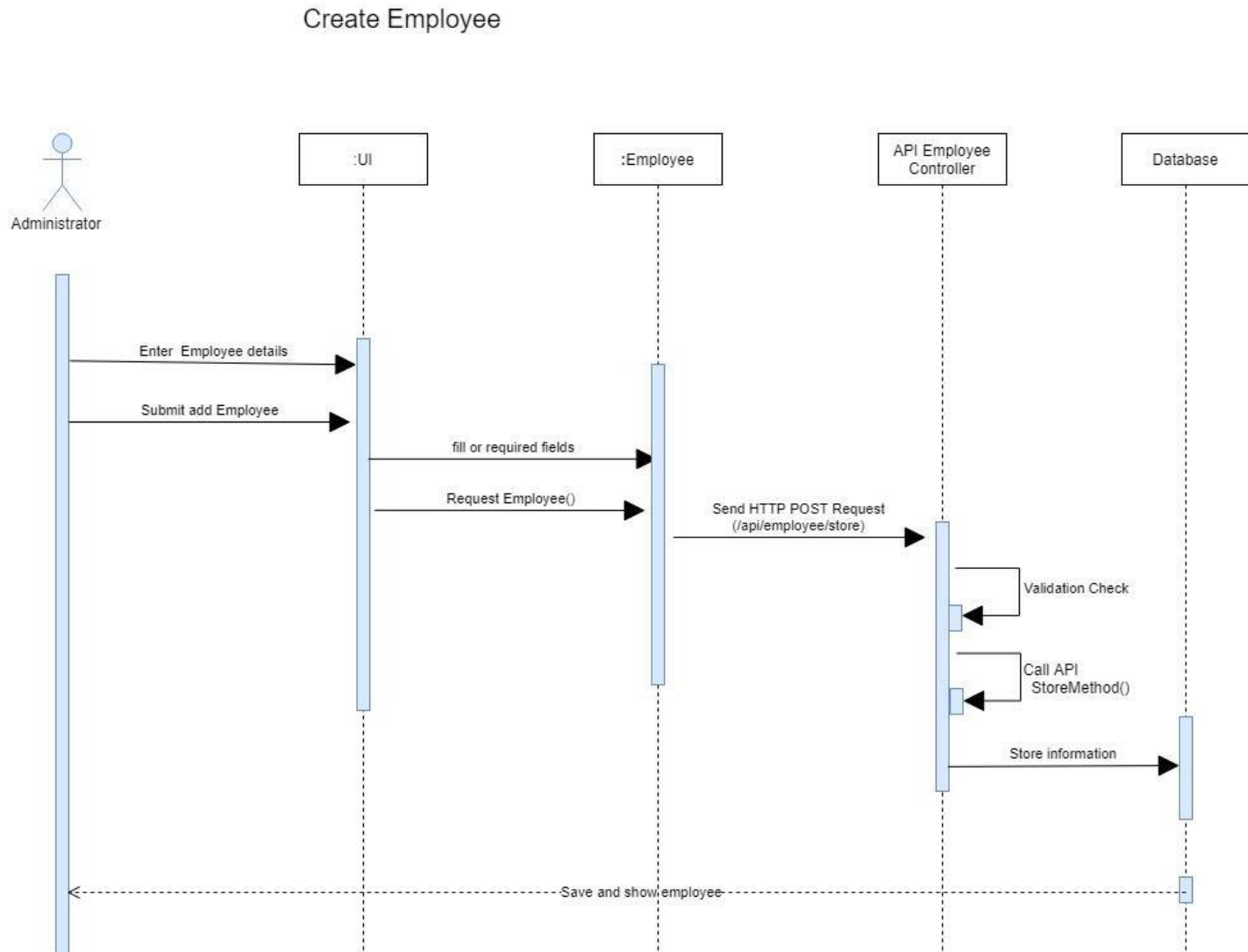
Login Sequence Diagram

Create Category



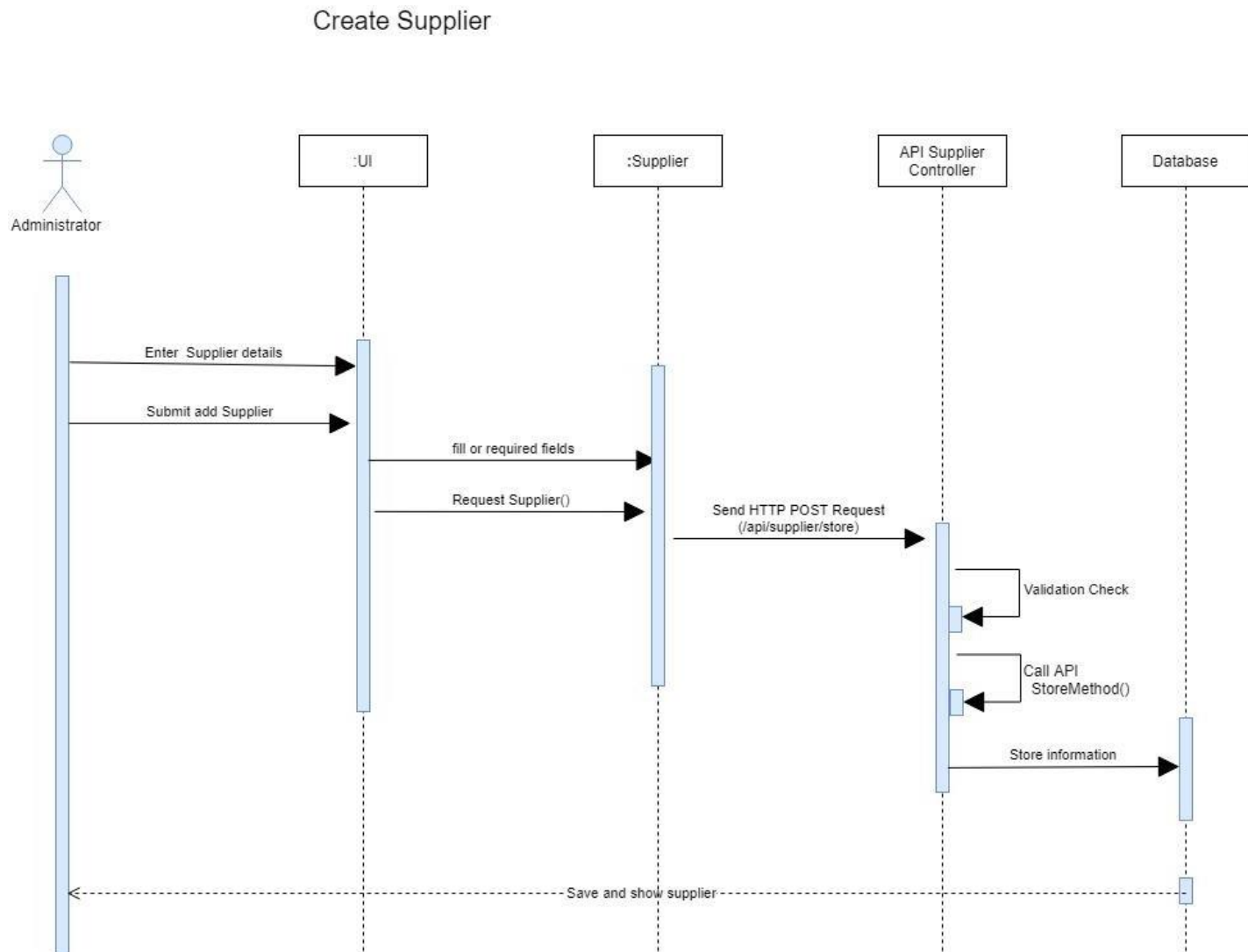
Create Category Sequence Diagram

Create Employee



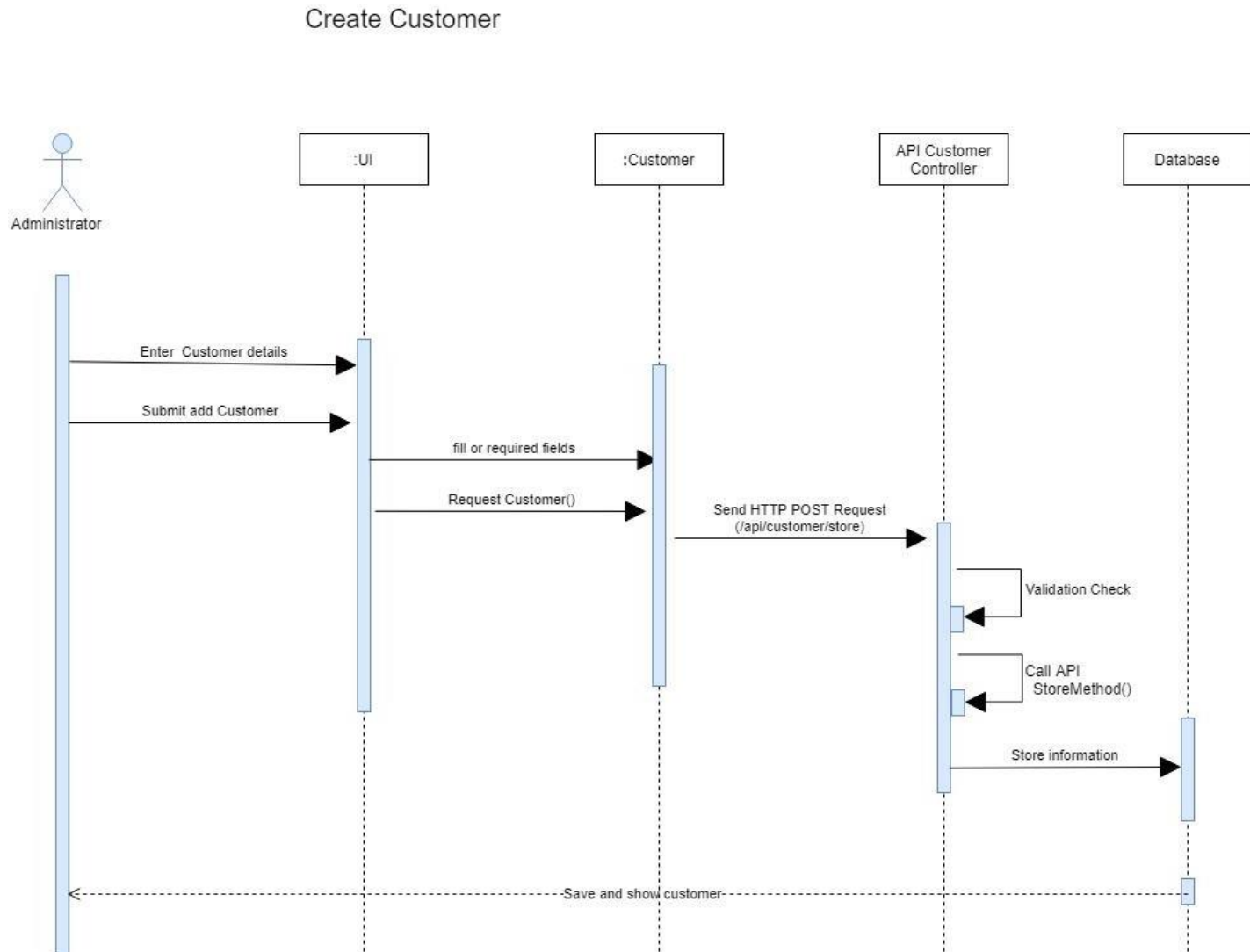
Create Employee Sequence Diagram

Create Supplier



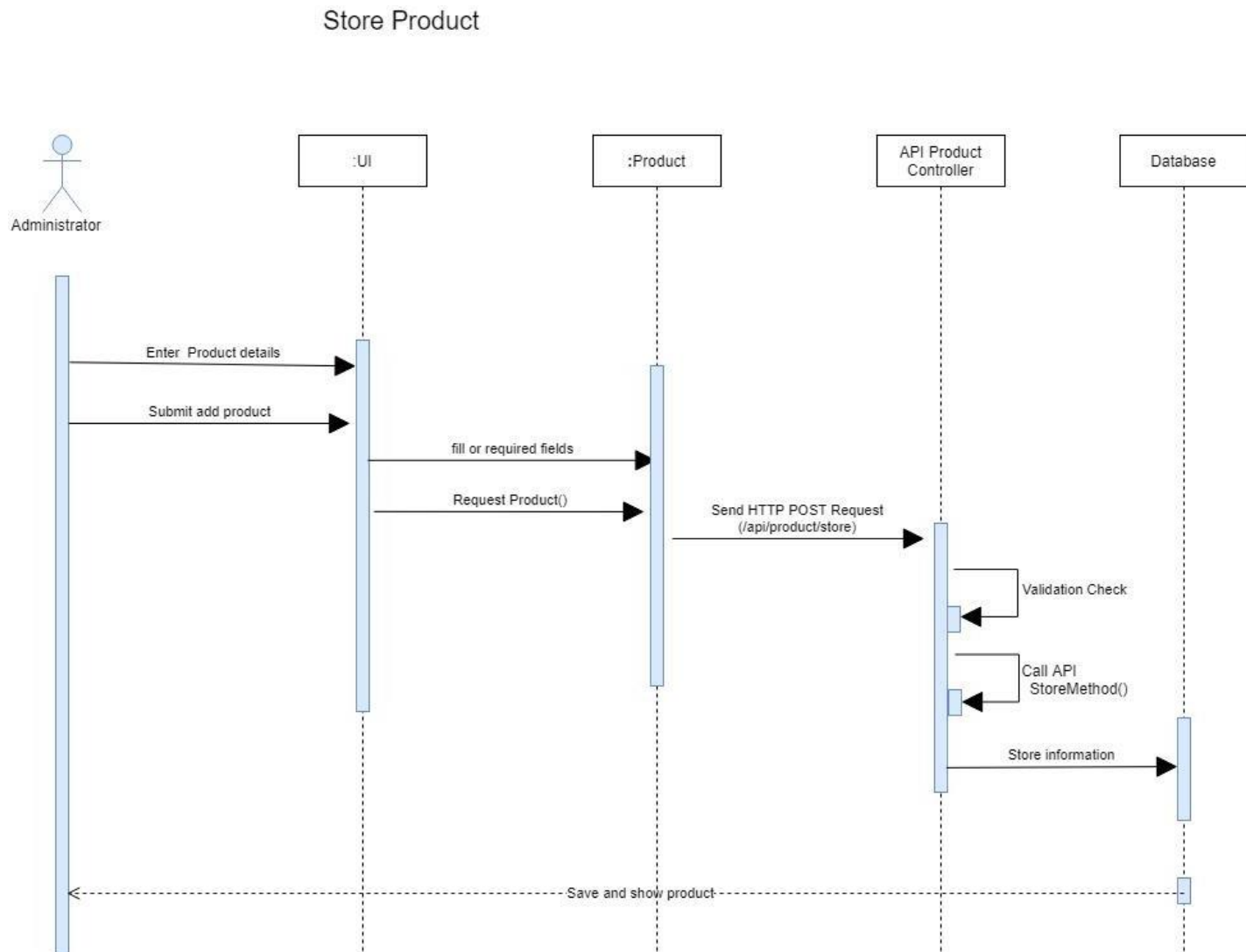
Create Supplier Sequence Diagram

Create Customer



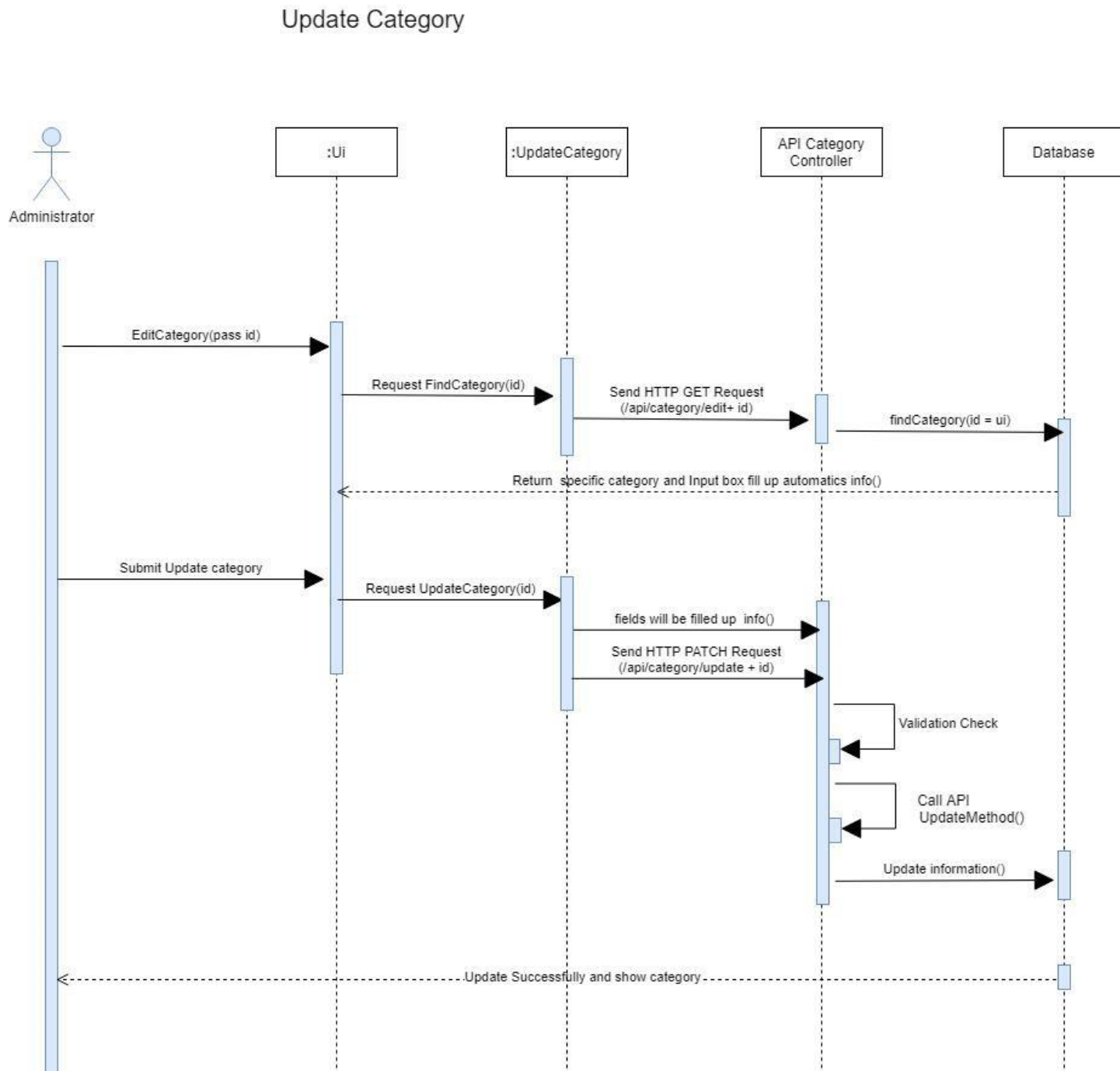
Create Customer Sequence Diagram

Store Product



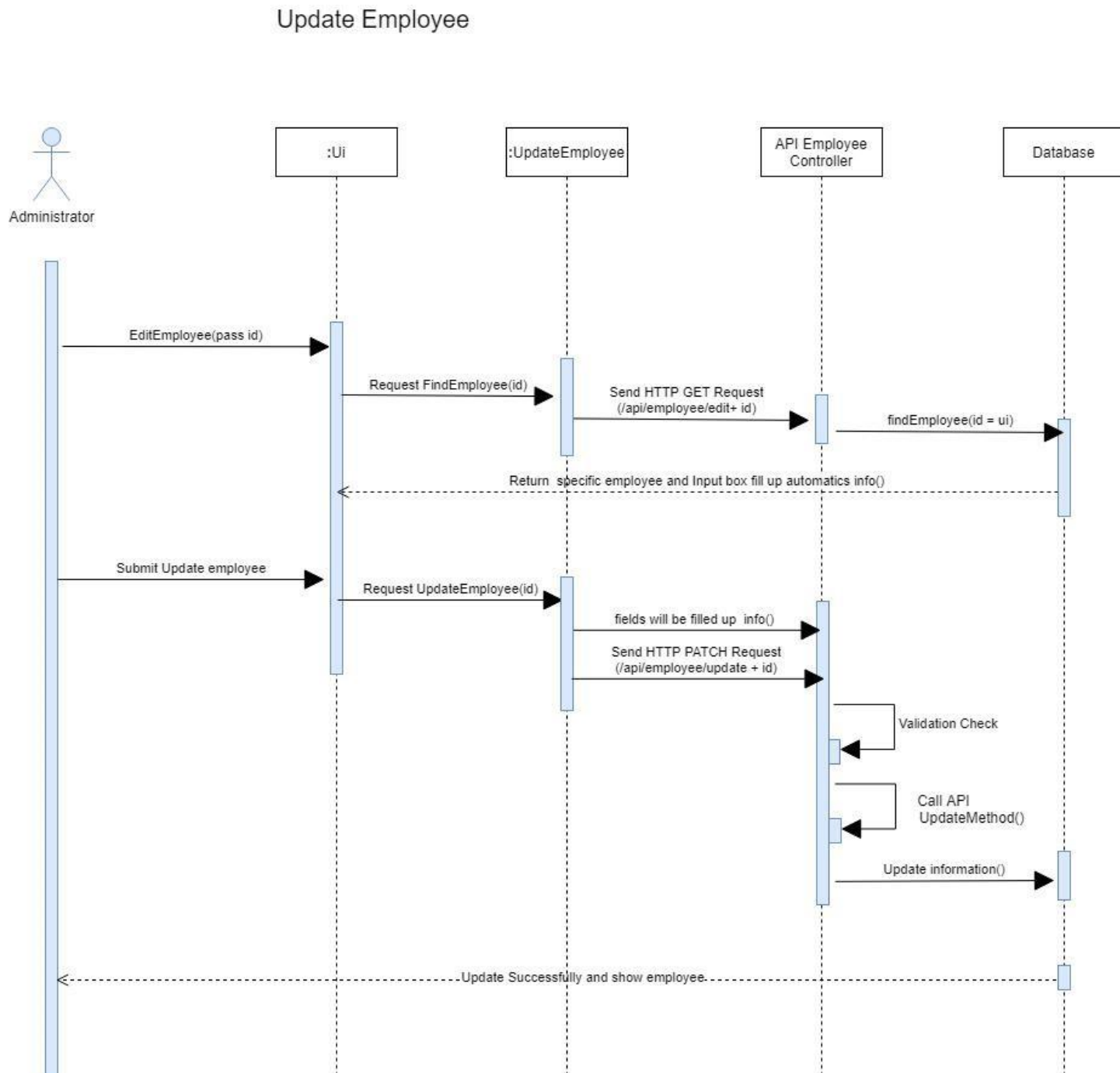
Store Product Sequence Diagram

Update Category



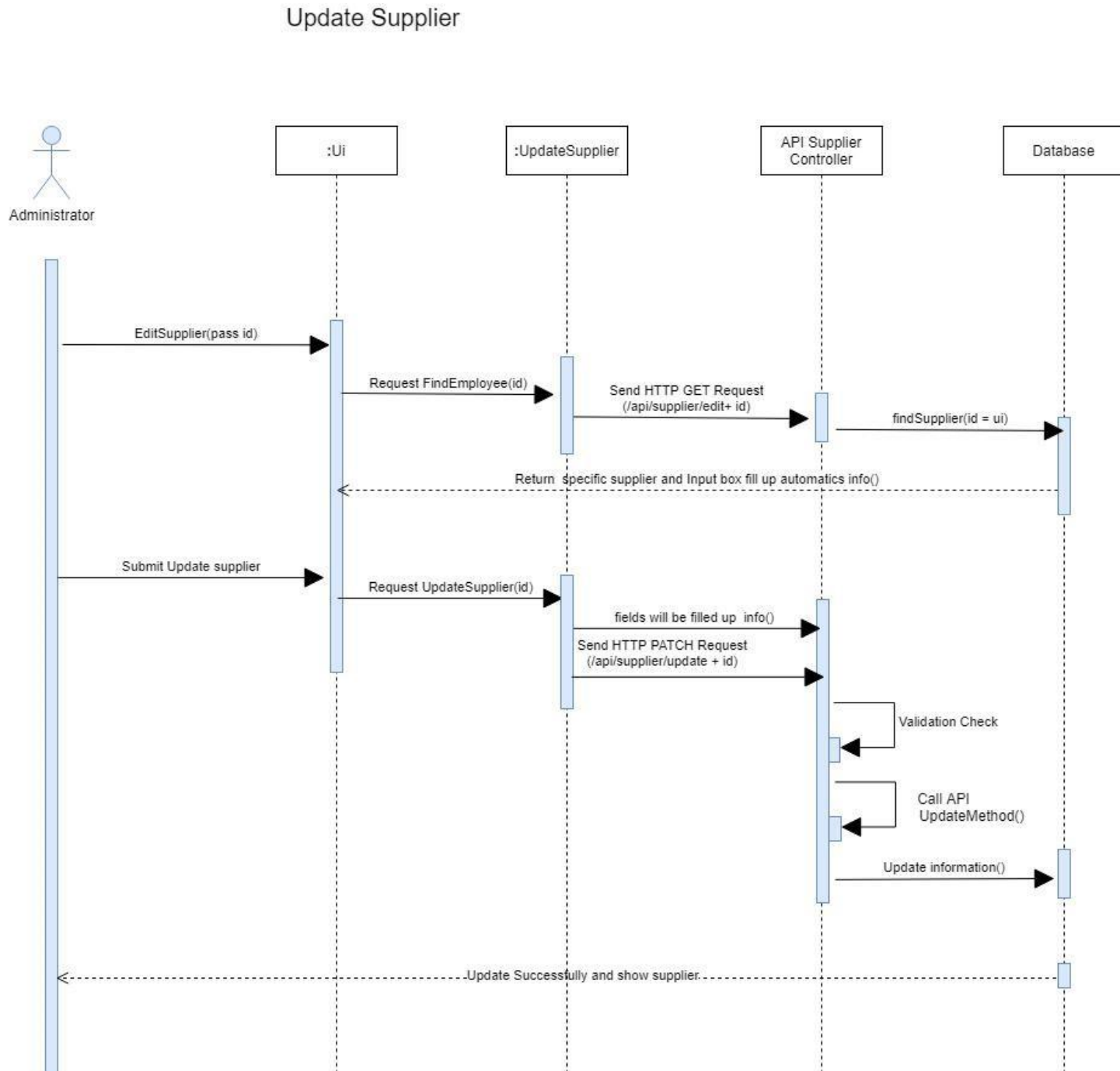
Update Category Sequence Diagram

Update Employee



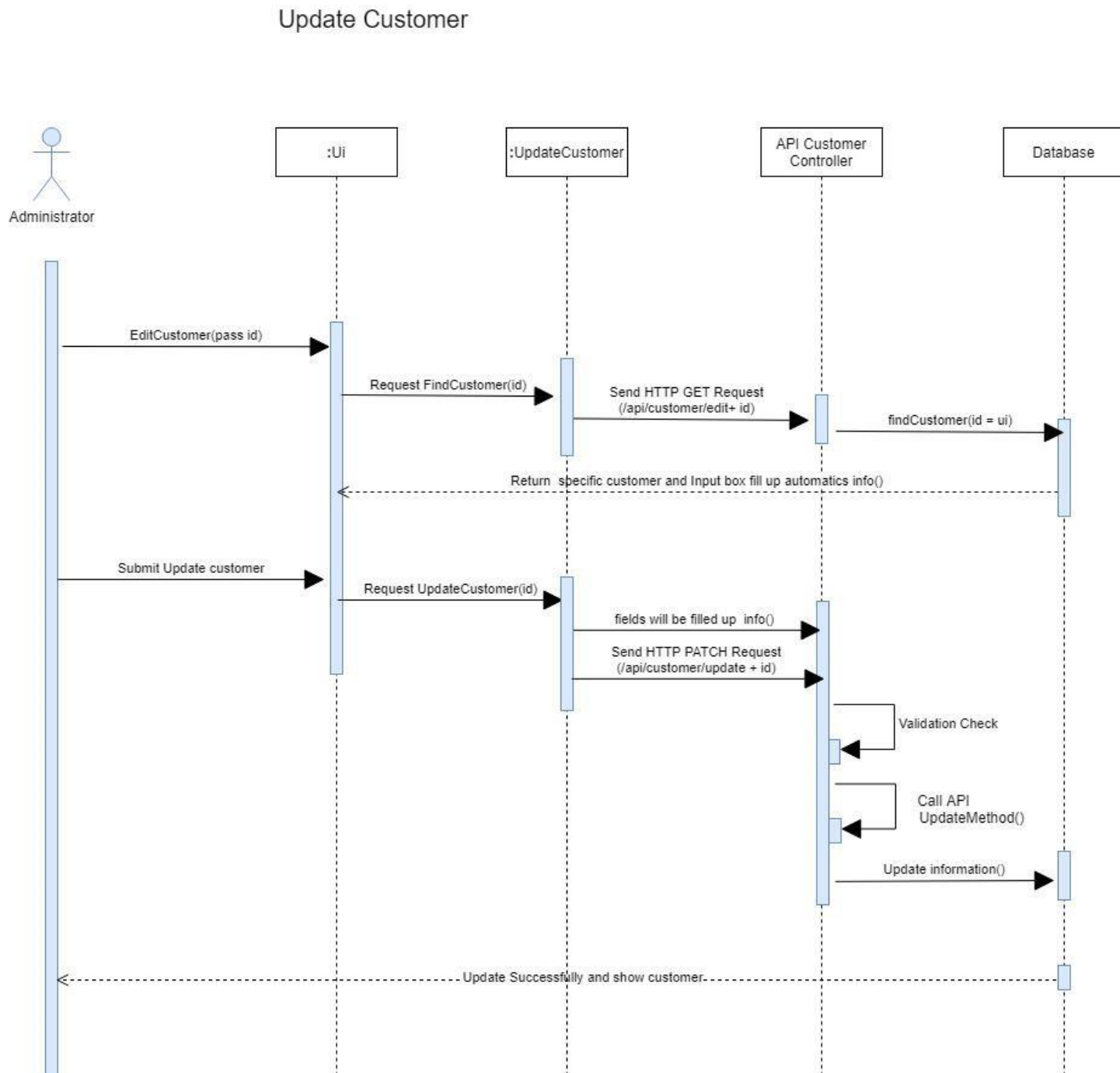
Update Employee Sequence Diagram

Update Supplier



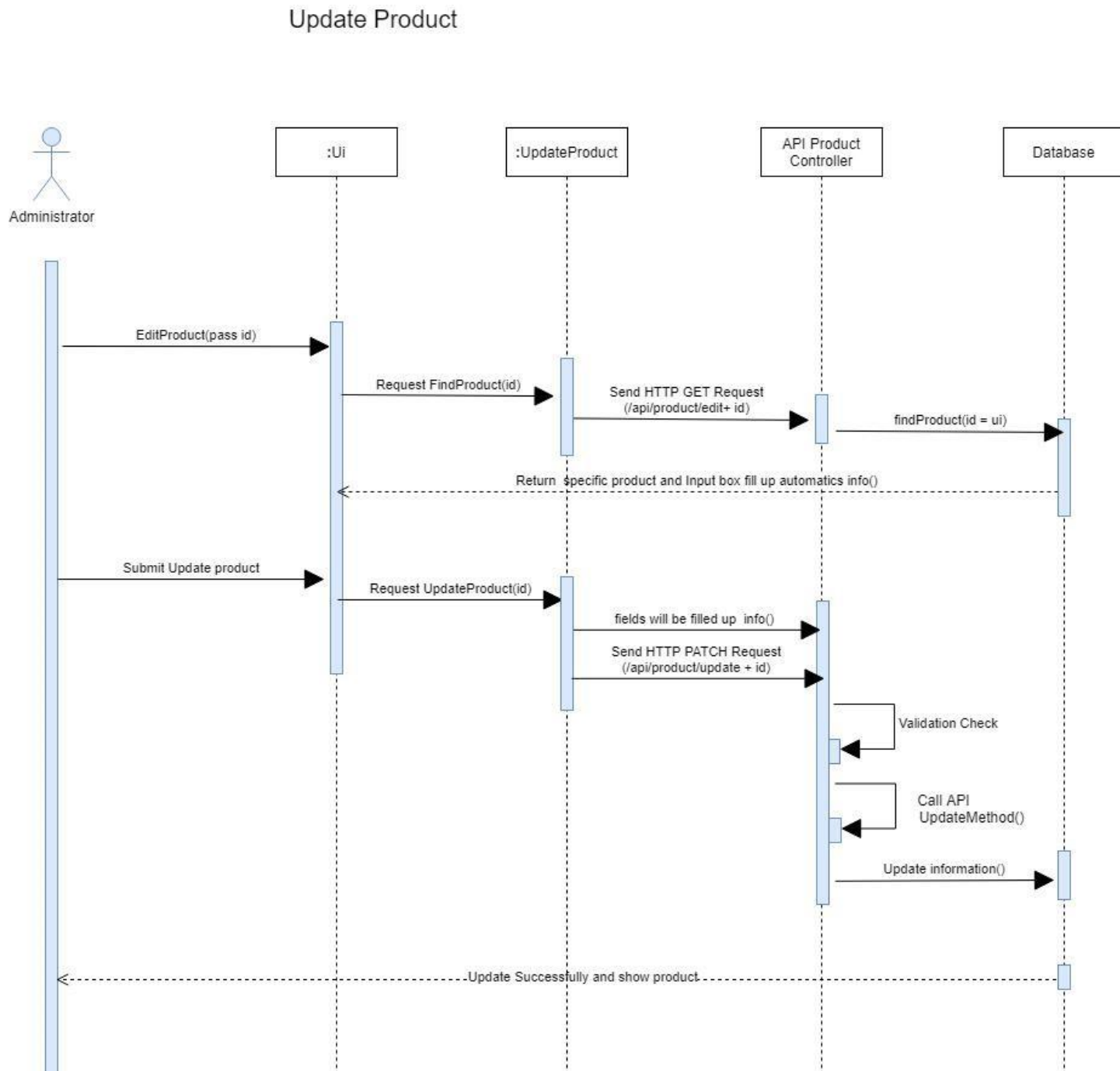
Update Supplier Sequence Diagram

Update Customer



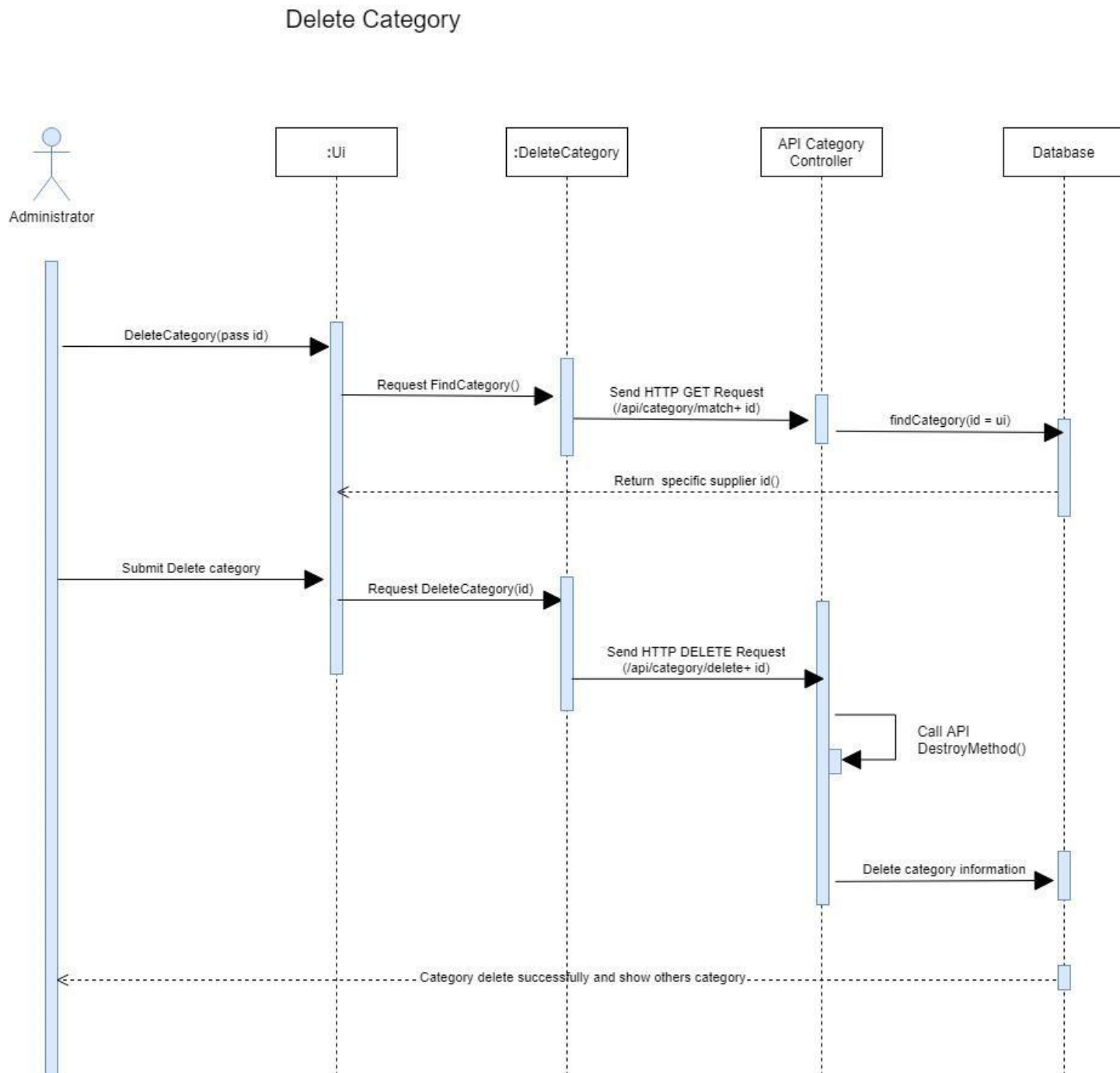
Update Customer Sequence Diagram

Update Product



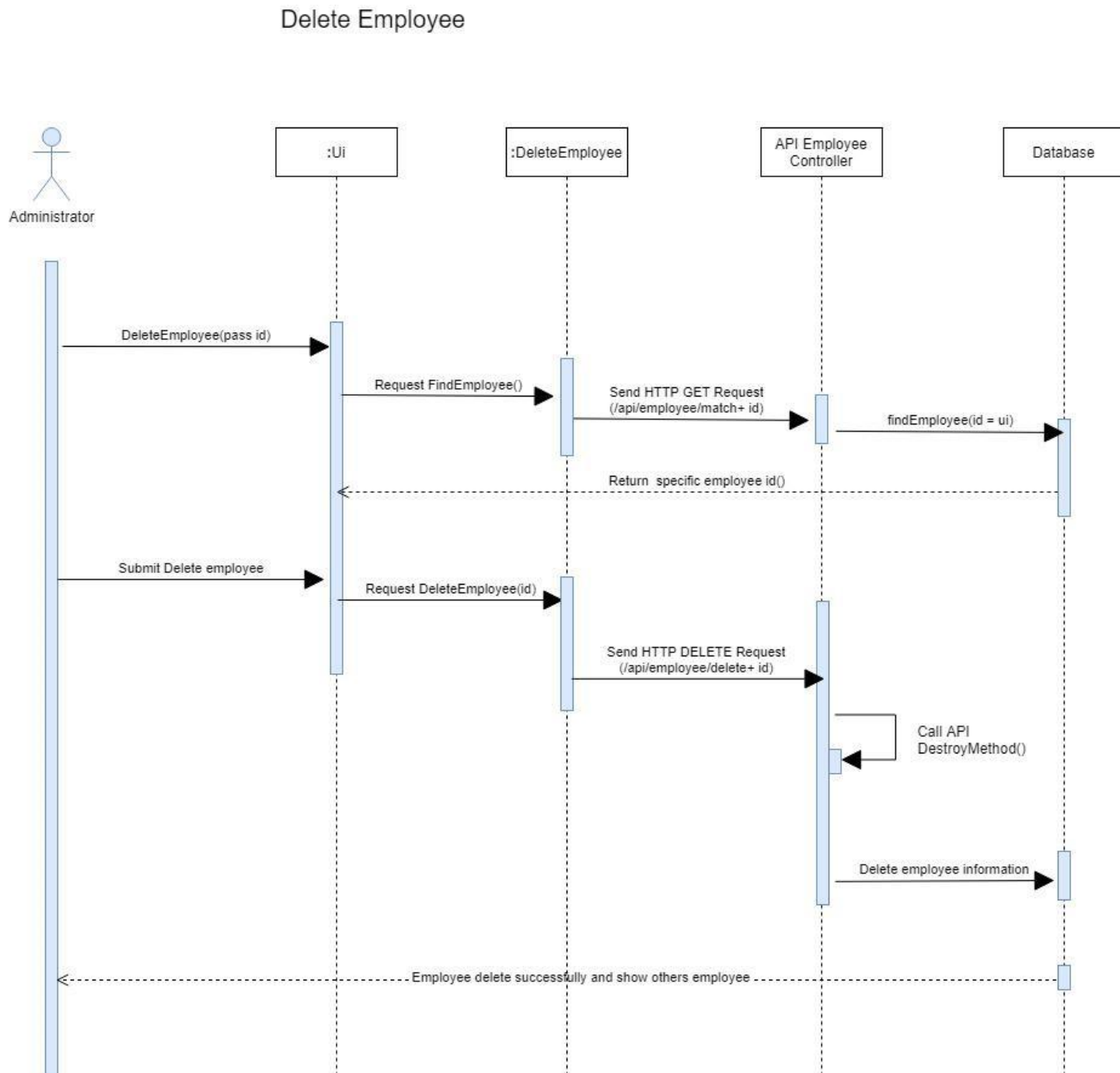
Update Product Sequence Diagram

Delete Category



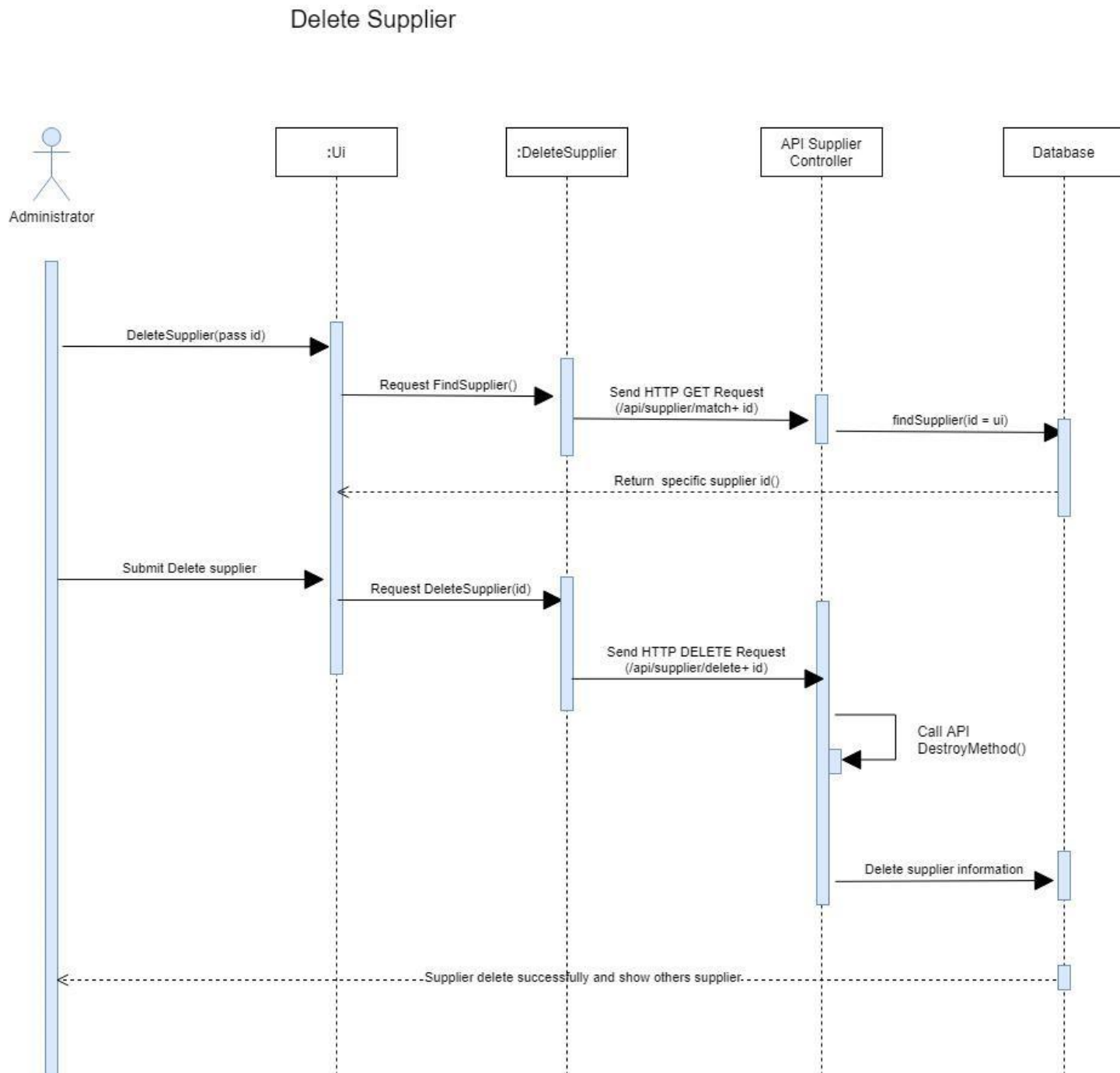
Delete Category Sequence Diagram

Delete Employee



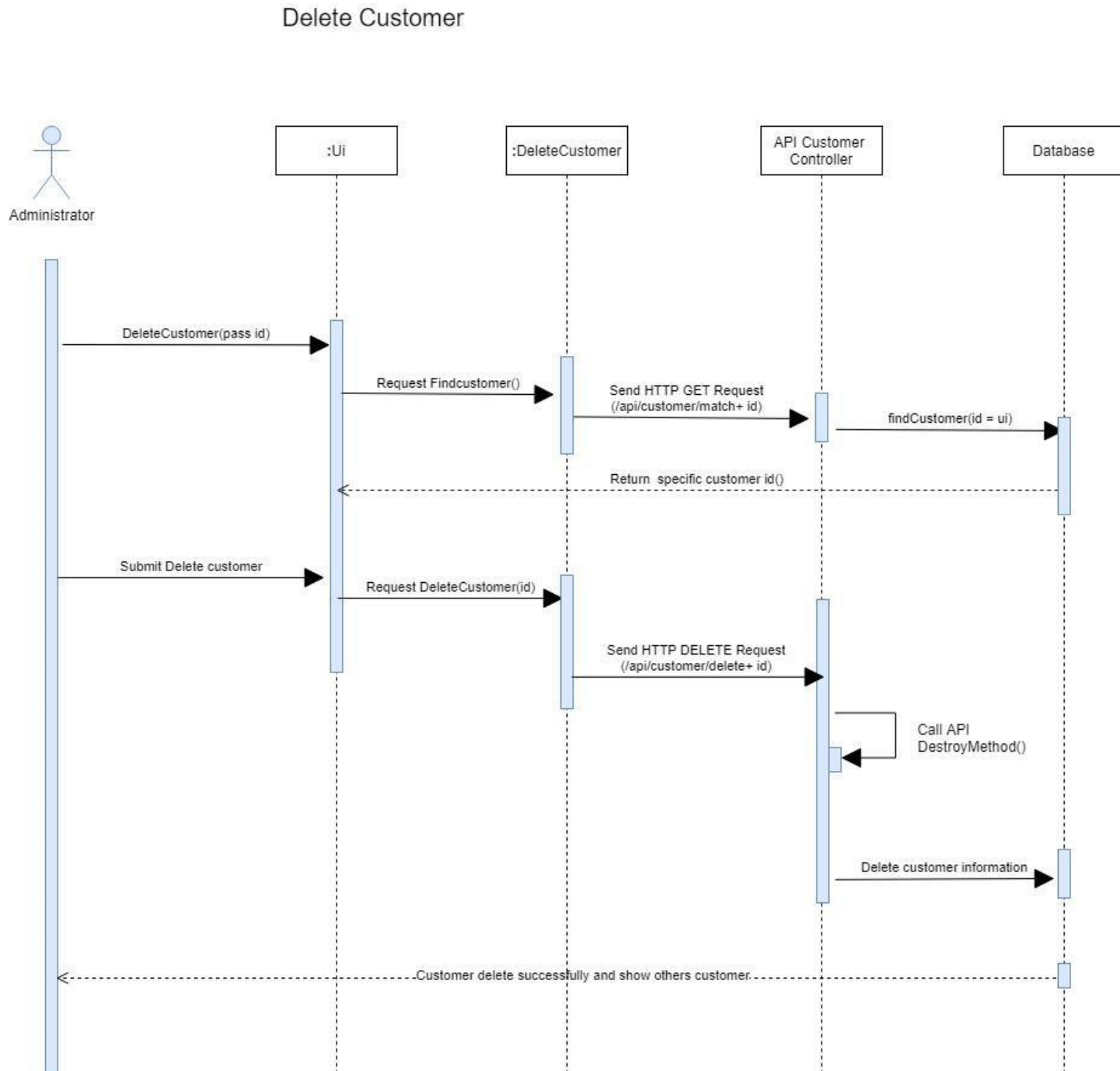
Delete Employee Sequence Diagram

Delete Supplier



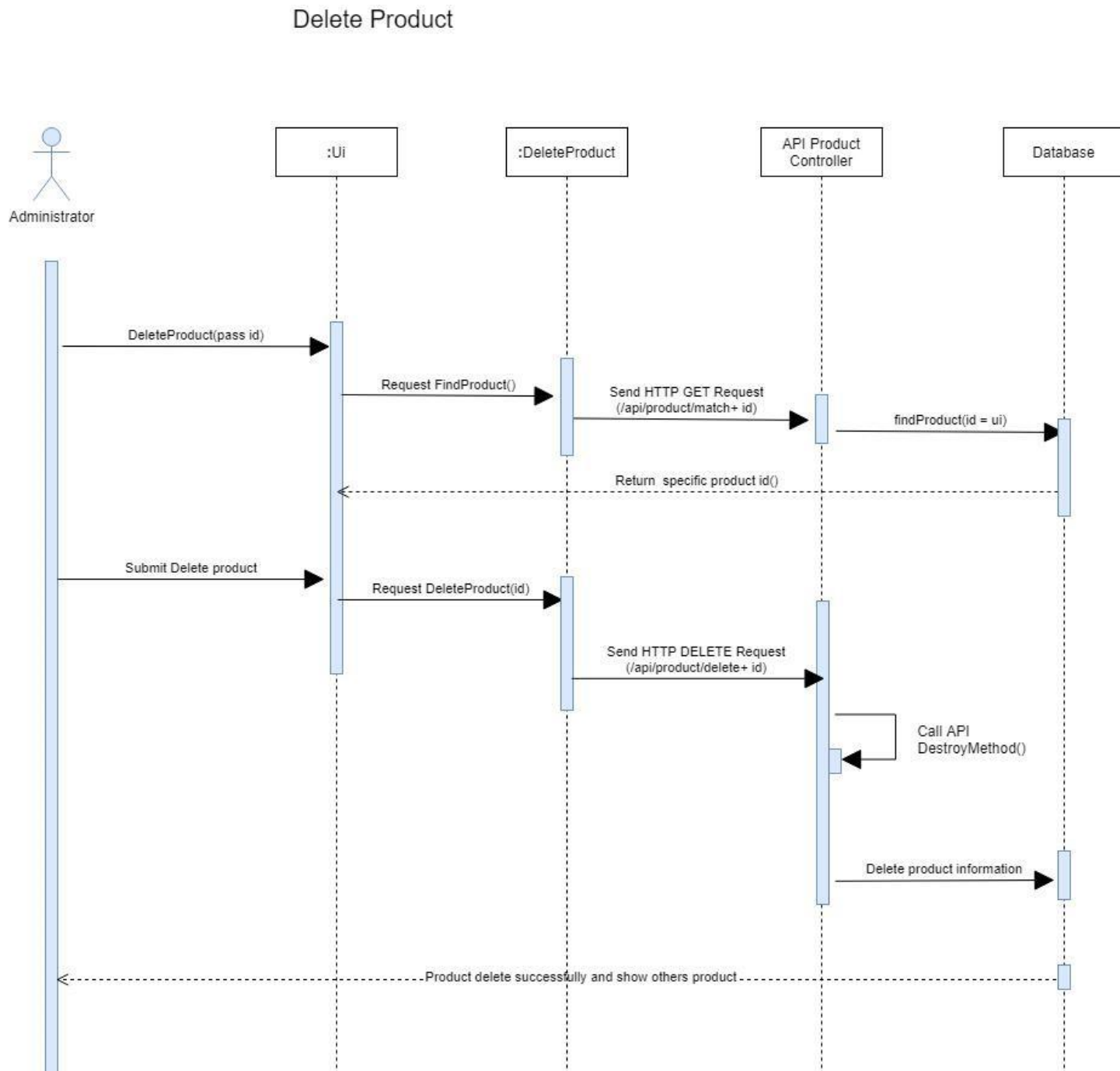
Delete Supplier Sequence Diagram

Delete Customer



Delete Customer Sequence Diagram

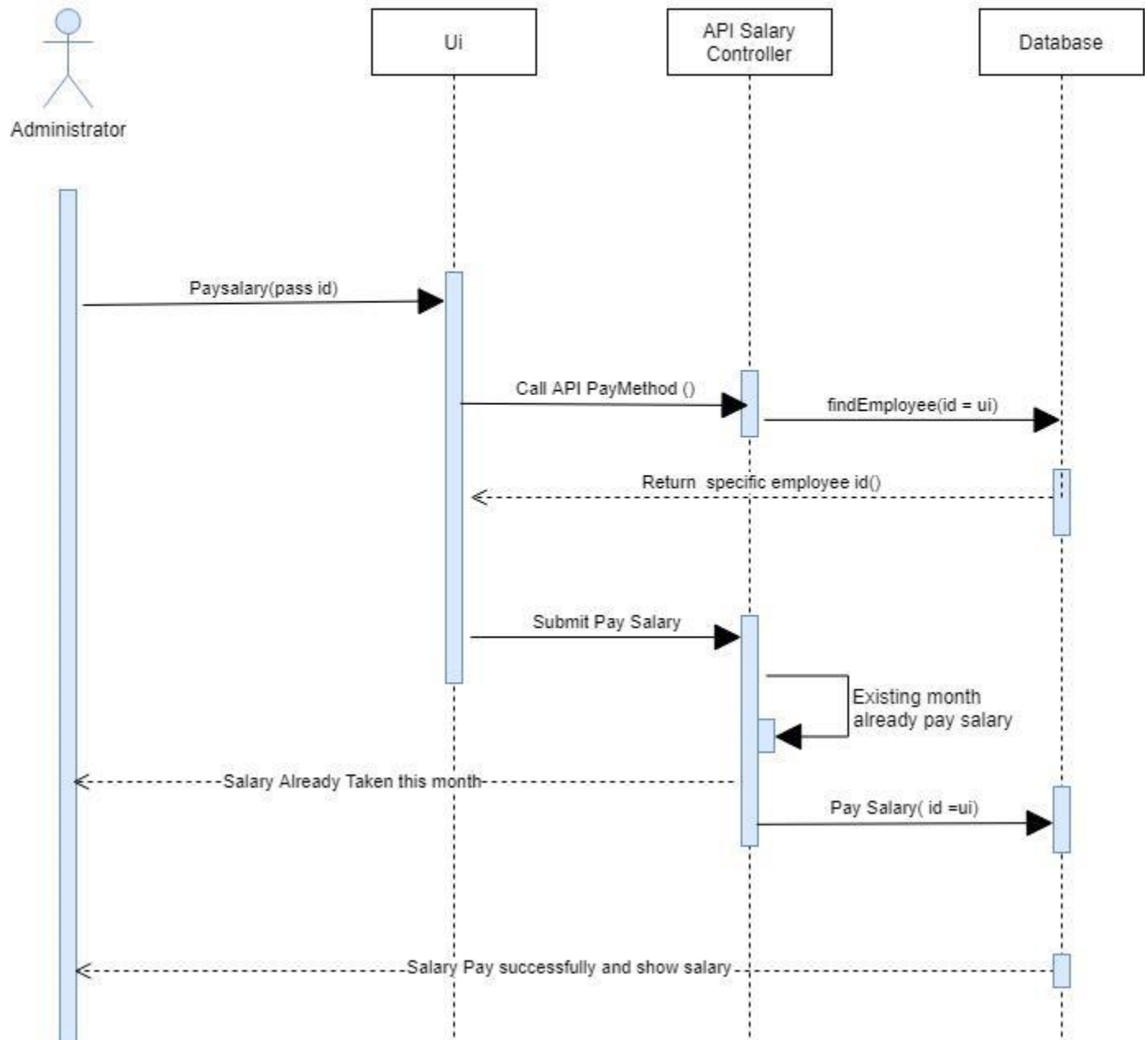
Delete Product



Delete Product Sequence Diagram

Pay Salary for Employee

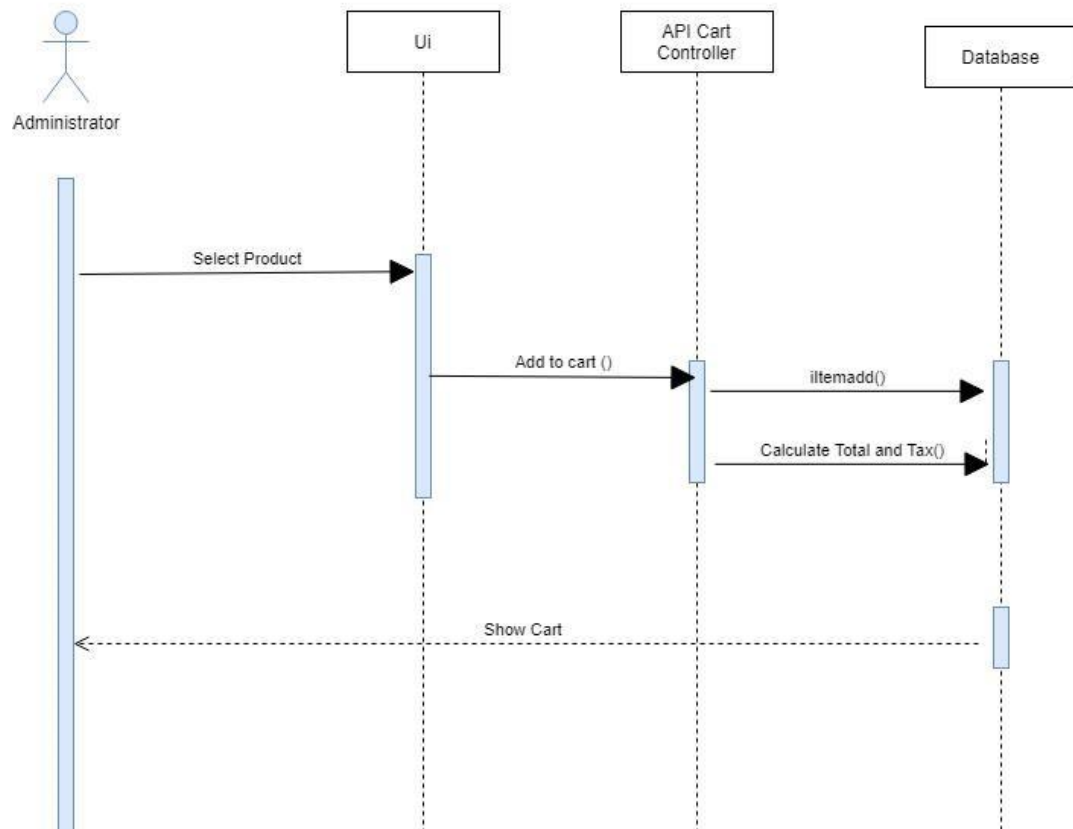
Pay Salary for employee



Pay Salary for Employee Sequence

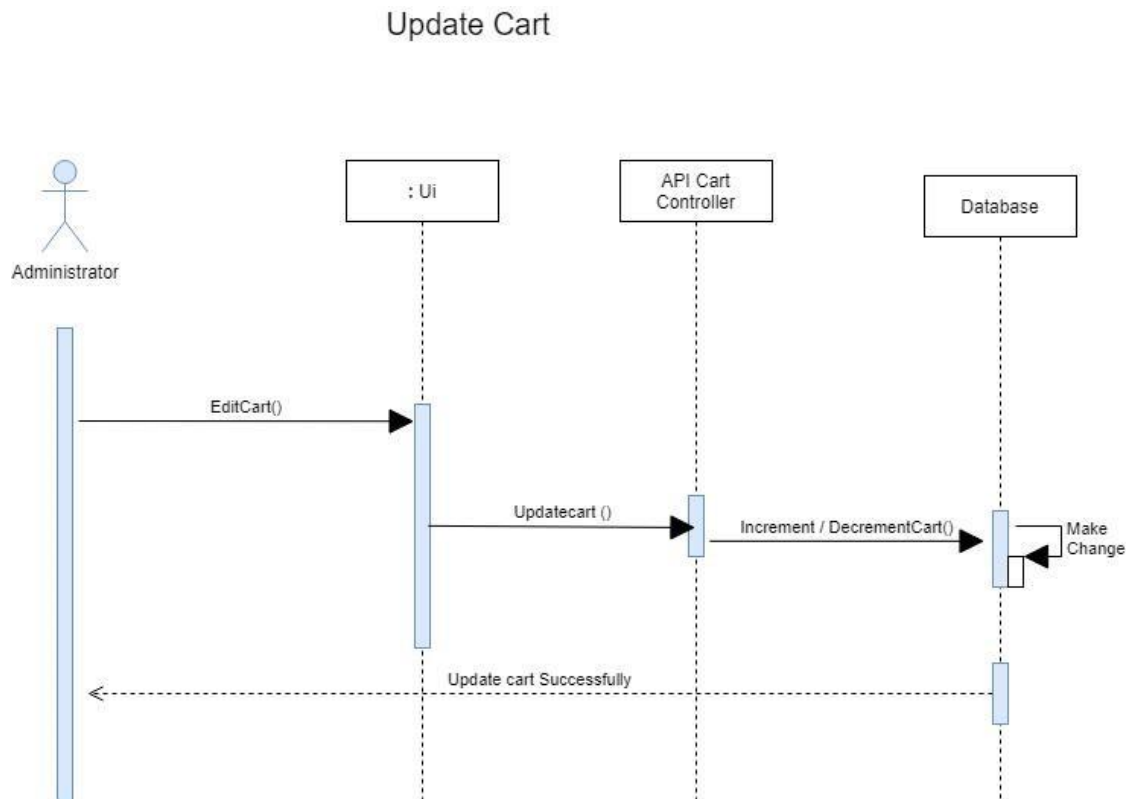
Select Product and Add To Cart

Select Product or add to cart



Select Product and Add To Cart Sequence

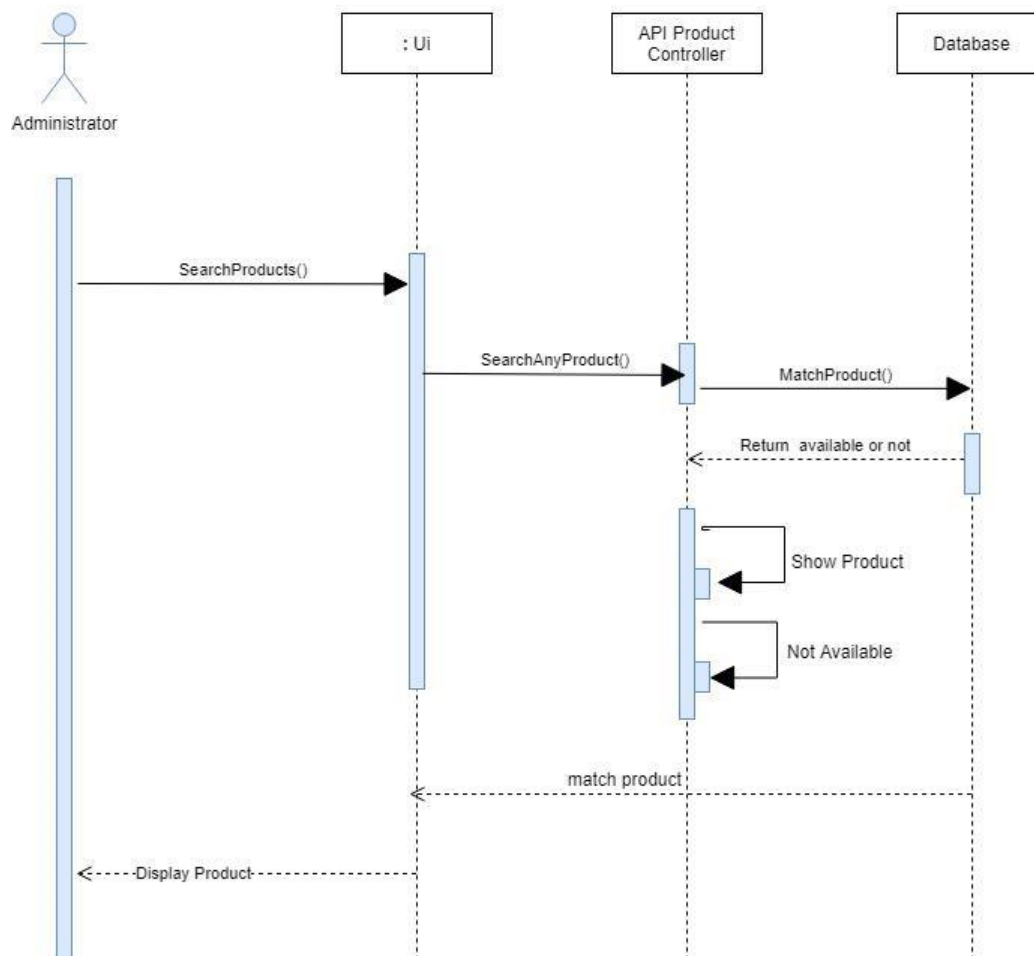
Update Cart



Update Cart

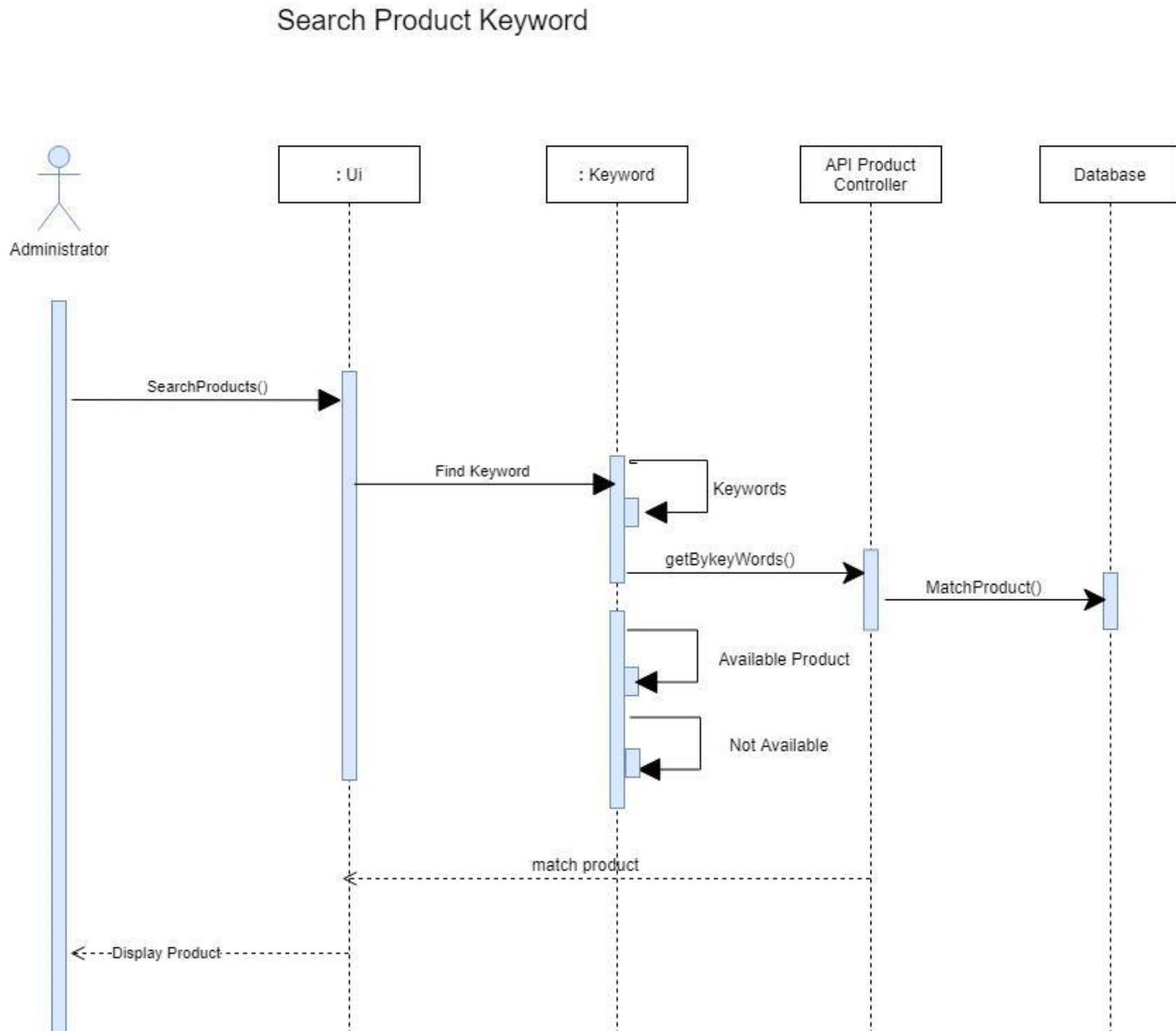
Search Product All

Search Product ALL



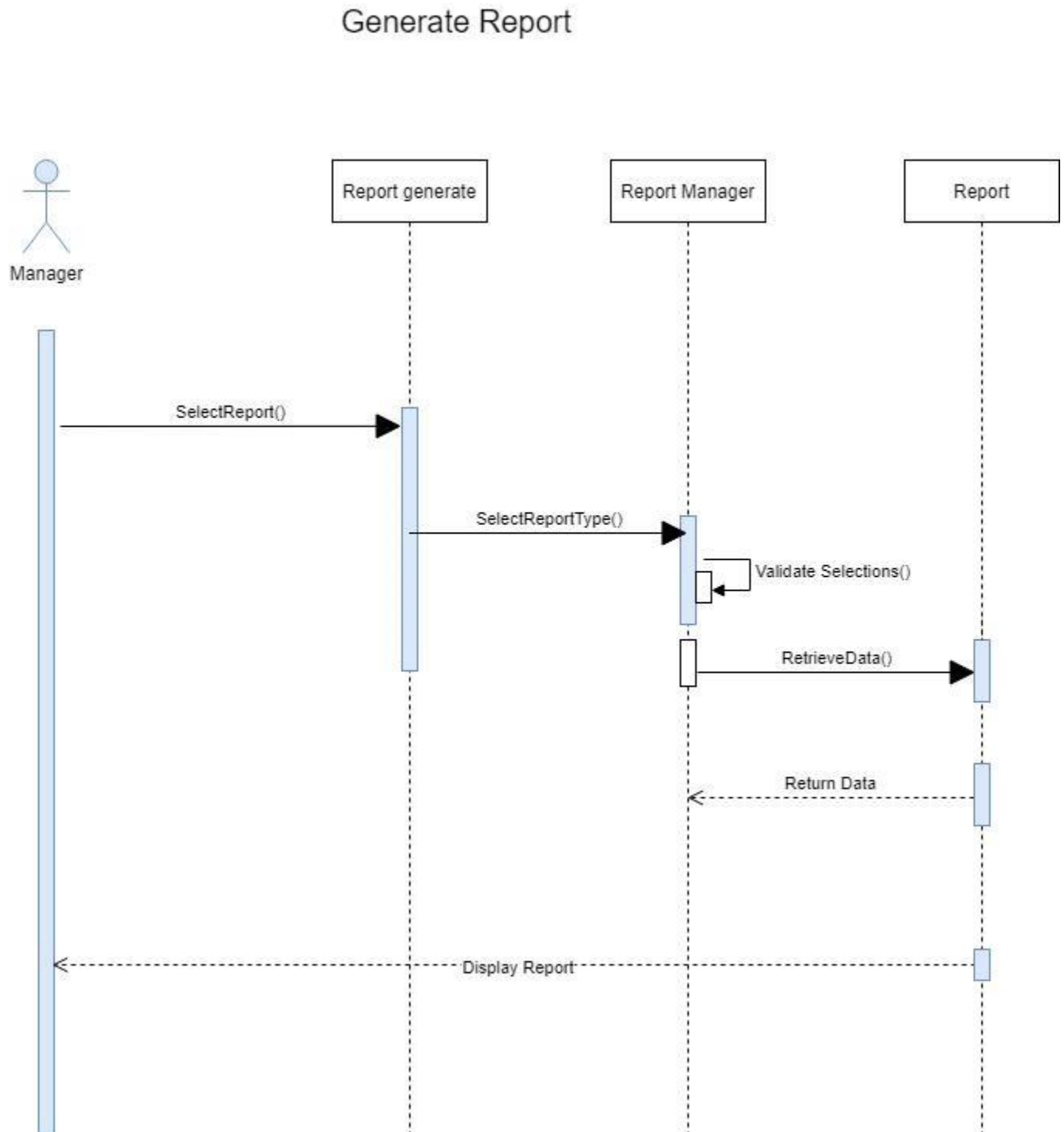
Search Product All Sequence

Search Product Keyword



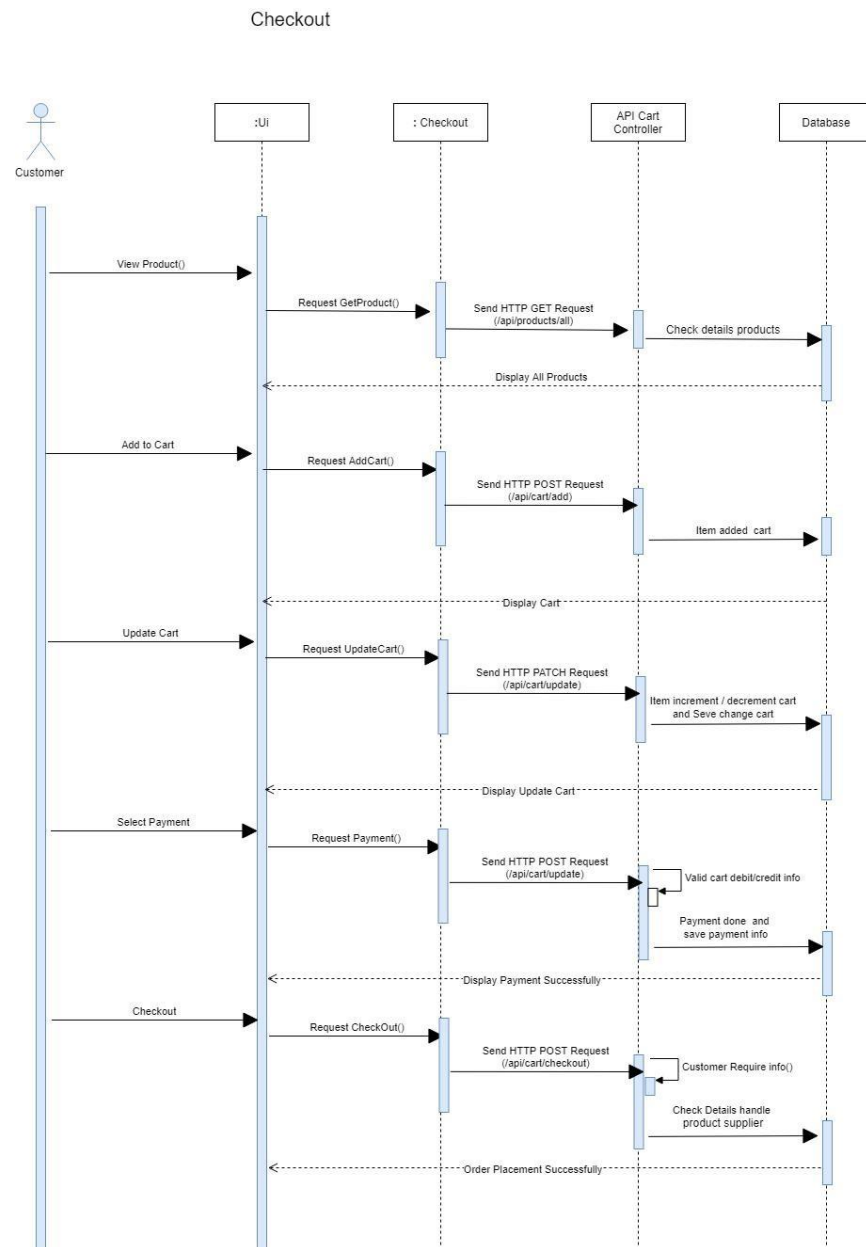
Search Product Keyword Sequence Diagram

Generate Report



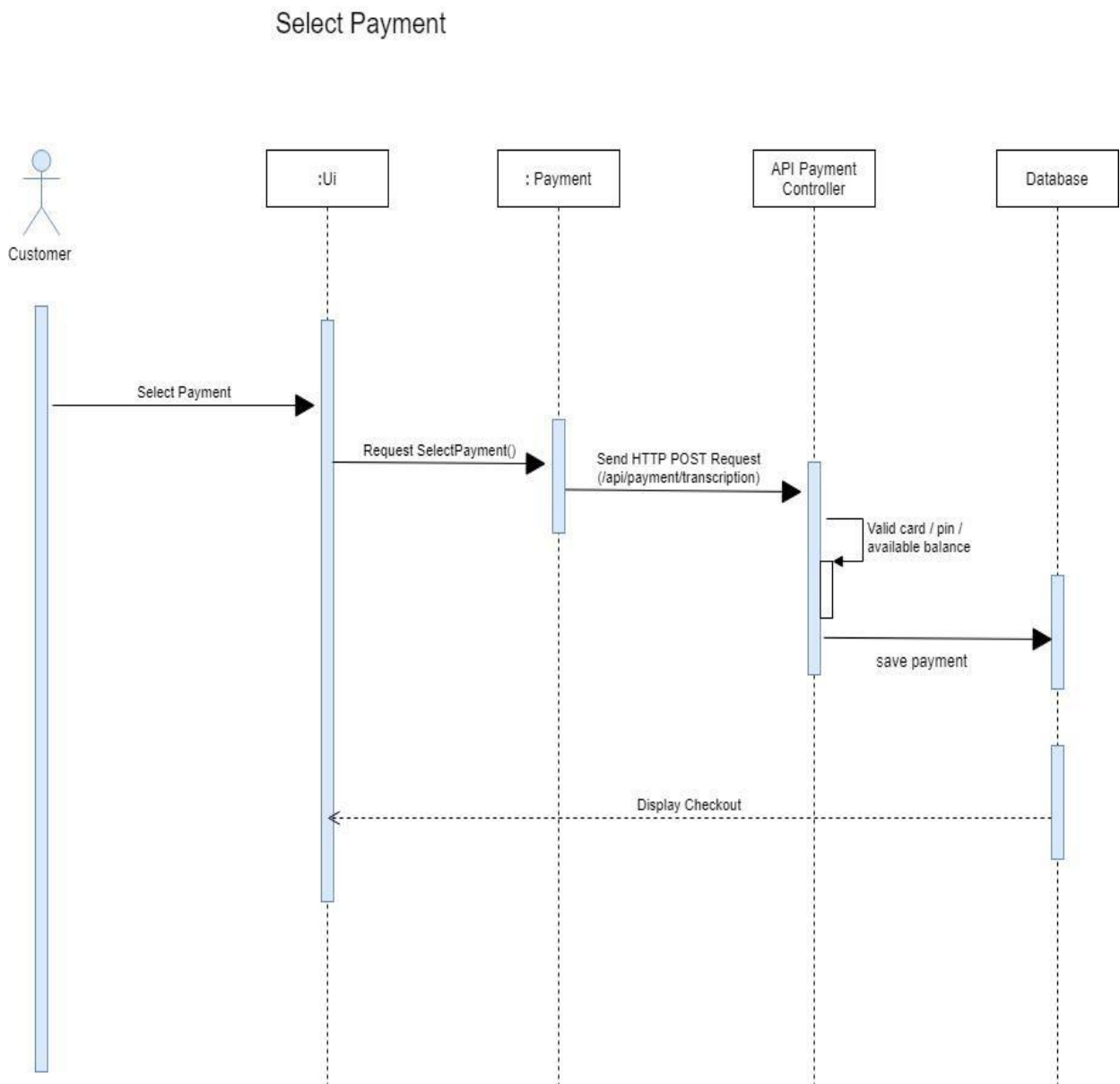
Generate Report Sequence Diagram

Checkout



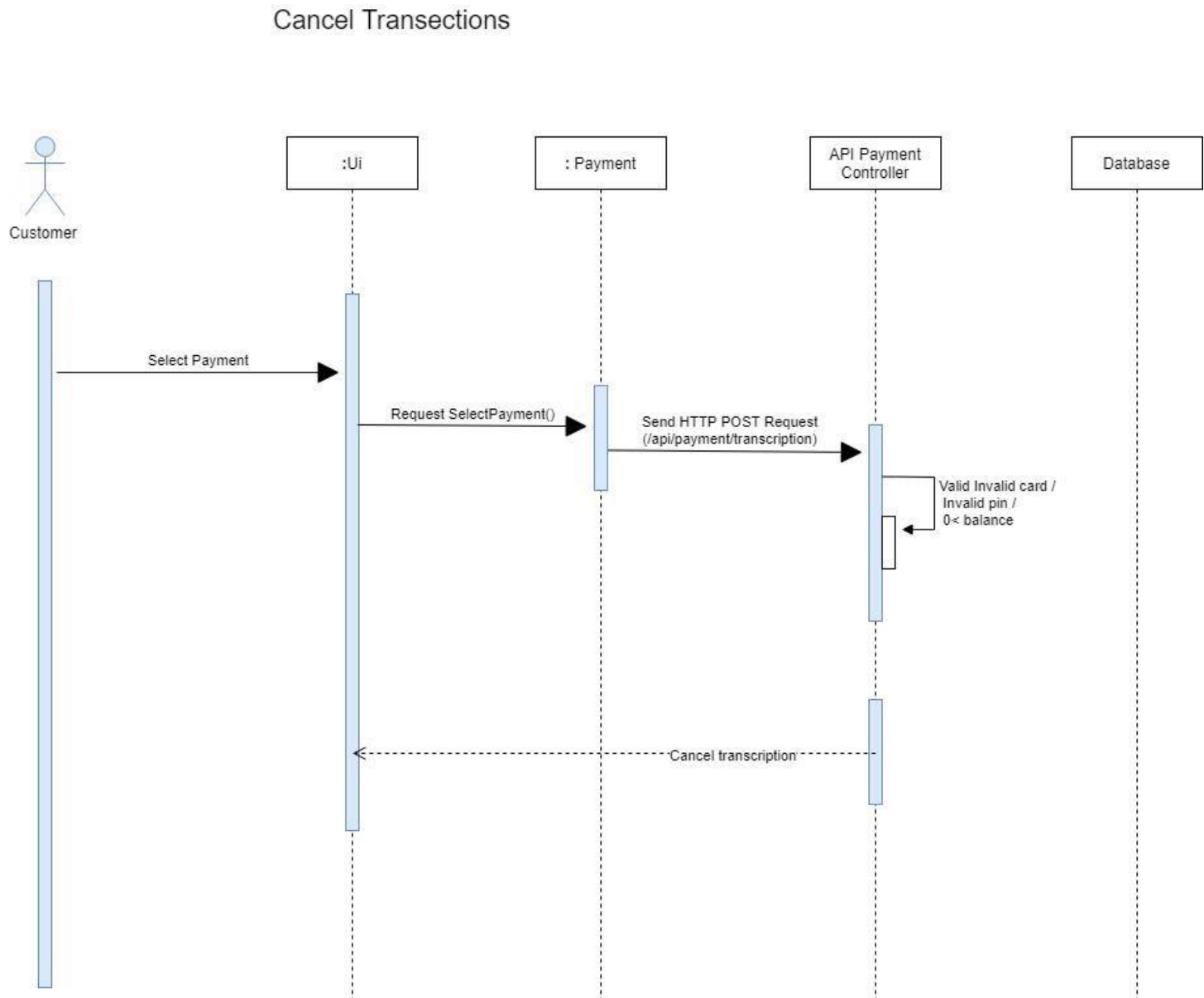
Checkout Sequence Diagram

Select Payment



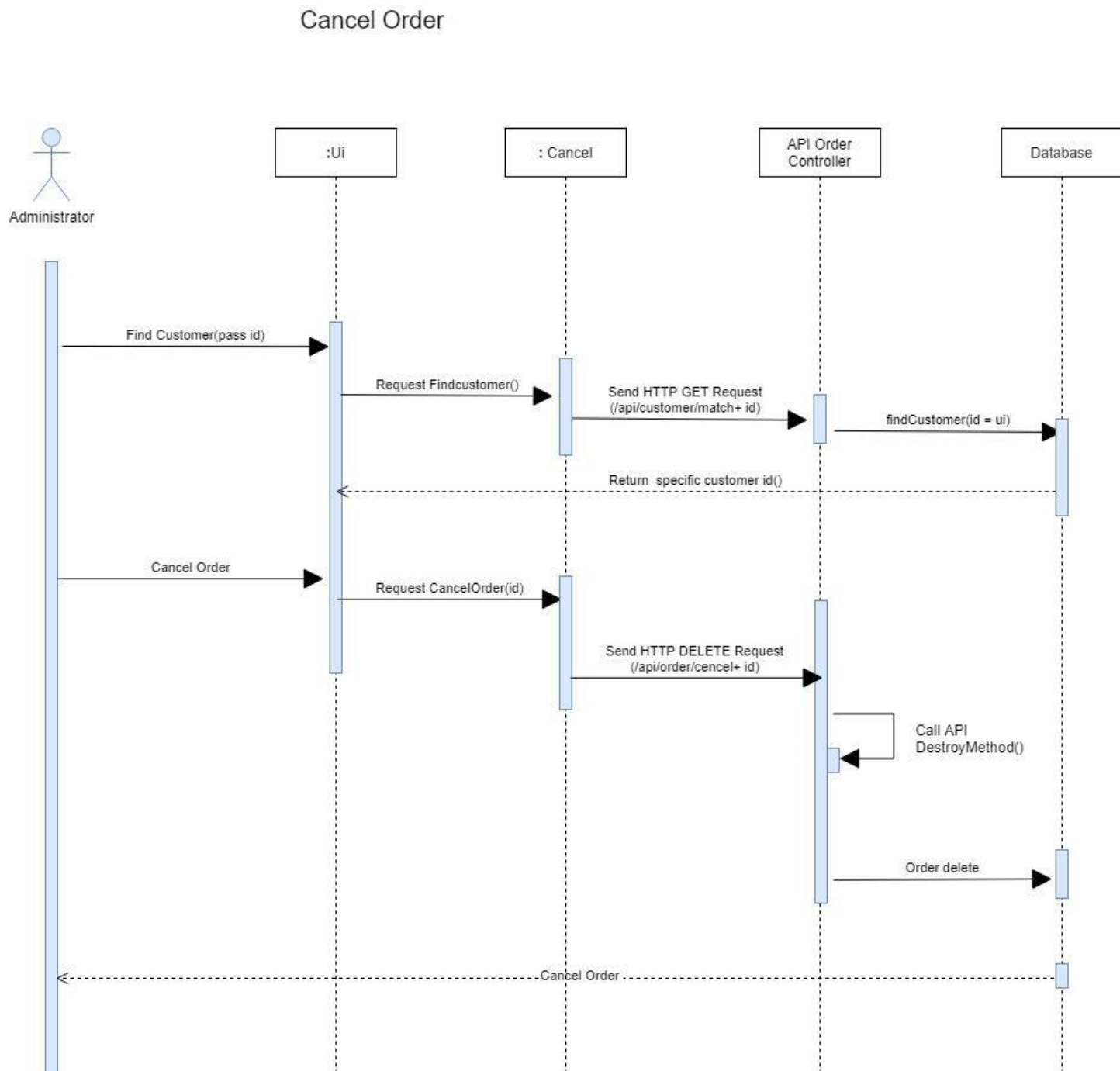
Select Payment Sequence Diagram

Cancel Transections



Cancel Transection Sequence Diagram

Cancel Order



Cancel Order Sequence Diagram

4.2 ER Diagram

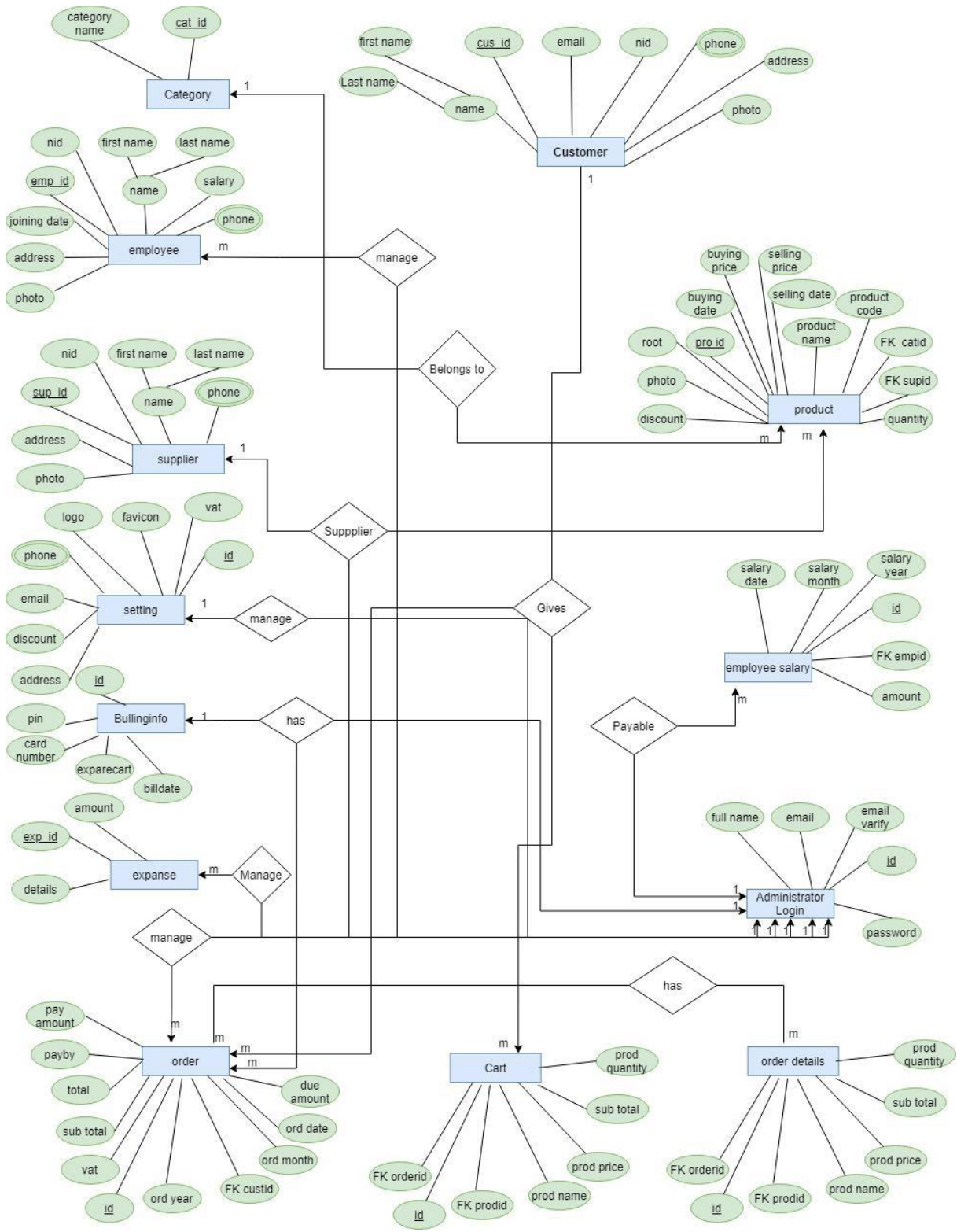
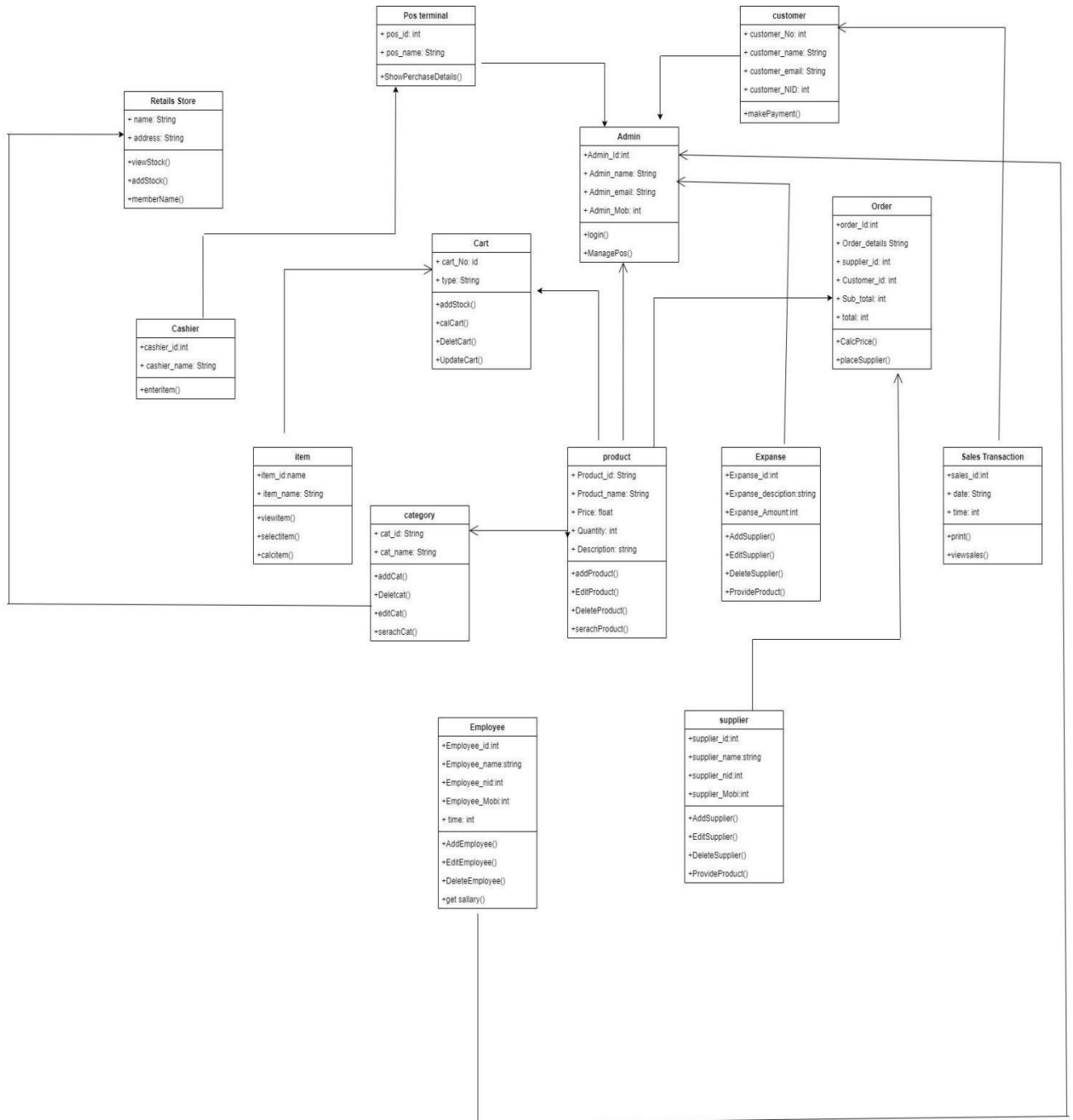


Fig 4.2 ER Diagram

4.3 class Diagram



4.4 Development Tools & Technology

4.4.1 User Interface Technology

- HTML, HTML5
- CSS3, CSS
- Bootstraps-4
- JavaScript Font Awesome

4.4.2 Implementation Tools Platform

- PHP Framework Laravel
- Vue Js (JavaScript Framework)
- Rest API Development
- Xampp
- VS code, Sublime Text.
- Windows CMD, Git Bash Here, Terminal.

CHAPTER-05

System Testing

5.1 Introduction

Testing is a process of executing a program with the aim of finding error. To make our software perform well it should be error free. If testing is done successfully it will remove all the error from the software.

Two common type of testing is black box testing and white box testing. Black box testing is also called functional testing. In this stage we test only functionality, input, and output. White box testing is a structure level testing. **For this project I have used black box testing method.**

Black Box testing:

Black box testing is a method of software testing that examines the functionality of an application based on the specifications. It is also known as specifications based testing. Independent testing team usually performs this type of testing during the software testing life cycle.

Principle or Testing

- All the test should meet the customer requirements
- To make our software testing should be performed by third party
- Exhaustive testing is not possible. As we need the optimal amount of testing based on the risk assessment of the application.
- All the test to be conducted should be planned before implementing it
- If follows pare to rule (80/20 rule) which states that 80% of errors comes from 20% of program components.
- Start testing with small parts and extend it to large parts.

5.2 Testing Featured

A software feature can be defined as the changes made in the system to add new functionality or modify the existing functionality. Each feature is said to have a characteristic that is designed to be useful, intuitive and effective.

5.2.1 Featured to be tested

“Features to be Tested” you define which of the features of the system or sub-system will be tested. In UAT the principle, focus is on what the system can do for the organization rather than if it works. This is a key principle as whether it works should have been done in system testing. Therefore, you need to identify the business operations, scenarios, and functionality that are to be tested in each system and sub-system as these are what delivers value to the organization.

5.3 Featured not to be tested

“Features Not to be Tested” you define which of the features of the system or sub-system will not be testing. This is necessary so as to avoid later confusion when stakeholders thought something’s would be tested, but was not.

5.4 Testing Strategy

A test strategy is a plan for defining the approach to Software Testing Life Cycle (STLC). It guides the QA team to define test coverage and testing scope. It also aids testers to get a clear picture of the project at any instance. The possibility of missing any test activity is very low when there is a proper test strategy in place.

5.4.1 Test Approach

A test approach is the test strategy implementation of a project, defines how testing would be carried out. Test approach has two techniques:

- ❖ **Proactive** – An approach in which the test design process is initiated as early as possible in order to find and fix defects the build is created.
- ❖ **Reactive**- An approach in which the testing is not started until after design and coding are completed.

5.4.2 Pass/ fail Criteria

The entrance for each phase of testing must be met before the next phase can commence. Now the criteria for pass and fail are given below.

- According to the given scenario the expected result need to take place then the scenario will be considered as pass otherwise that criteria should be failed.
- If an item tested 10 times, 9 times perfectly worked and single time do not work properly then it will consider as fail case.
- System crash will be considered as fail case.
- After submitting a query in the system, if expected page won’t appear then it will be considered as fail case.

5.5 Test Case

5.5.1 Test case Module-1 Registration

Test case ID: ATCI	Test Design by Dipak Debnath
Test priority: High	Test Design date: 08-01-21
Module Name: Registration	Test Execute by Dipak Debnath
Description: This section covers the Functionality of registration new users	Text Execute date: 01-12-21

Precondition: User has no precondition

Dependencies: Enter input required information

Step	Test case	Test data	Expected Result	P/F	Actual Result
01	Entre empty value for required field		Display error massage “	pass	Display error message
02	Enter non-numeric value in phone number field	gythh	Display error massage “Enter valid Number”	pass	Display error message “Enter Valid Number”
03	Enter different Email format instead of xxxx@xxx.xx	try@gmail tr@gmailcom	Display error massage “Invalid Email Address”	pass	Display error message “Invalid Email Address”
04	Enter Existing Email	dipak@gmail.com	Display error massage “Email Already Exist”	pass	Display message “Email already Exist”
05	New user Registration	N/A	Display Massage “Submitted Successfully”	pass	Display message” Submitted Successfully”

5.5.2 Test case Module- 2 User Login

Test Case ID: ATCI	Test Design by Dipak Debnath
Test Priority: High	Test Design Date: 01-12-21
Module Name: Login	Test design by Dipak Debnath
Description: this section covers the functionality of login register users.	Text Execute date: 09-01-21

Precondition: User has no precondition

Dependencies: Enter input required information

Step	Test case	Test data	Expected Result	P/F	Actual Result
01	Enter empty value for User name and password	N/A	Place enter name and password	pass	Place enter user name and password
02	Enter correct value For User name and password	Dipak	Accept	pass	Accept
03	Enter wrong value for User name and password	asdsdf	User name and password doesn't match	pass	User name and password doesn't match
04	After giving input click "submit" button	N/A	Direct on fieldworker/ manager/ admin Admin page	pass	Direct fieldworker/ manager Admin page

5.6 Testing Environment (hardware/software requirements)

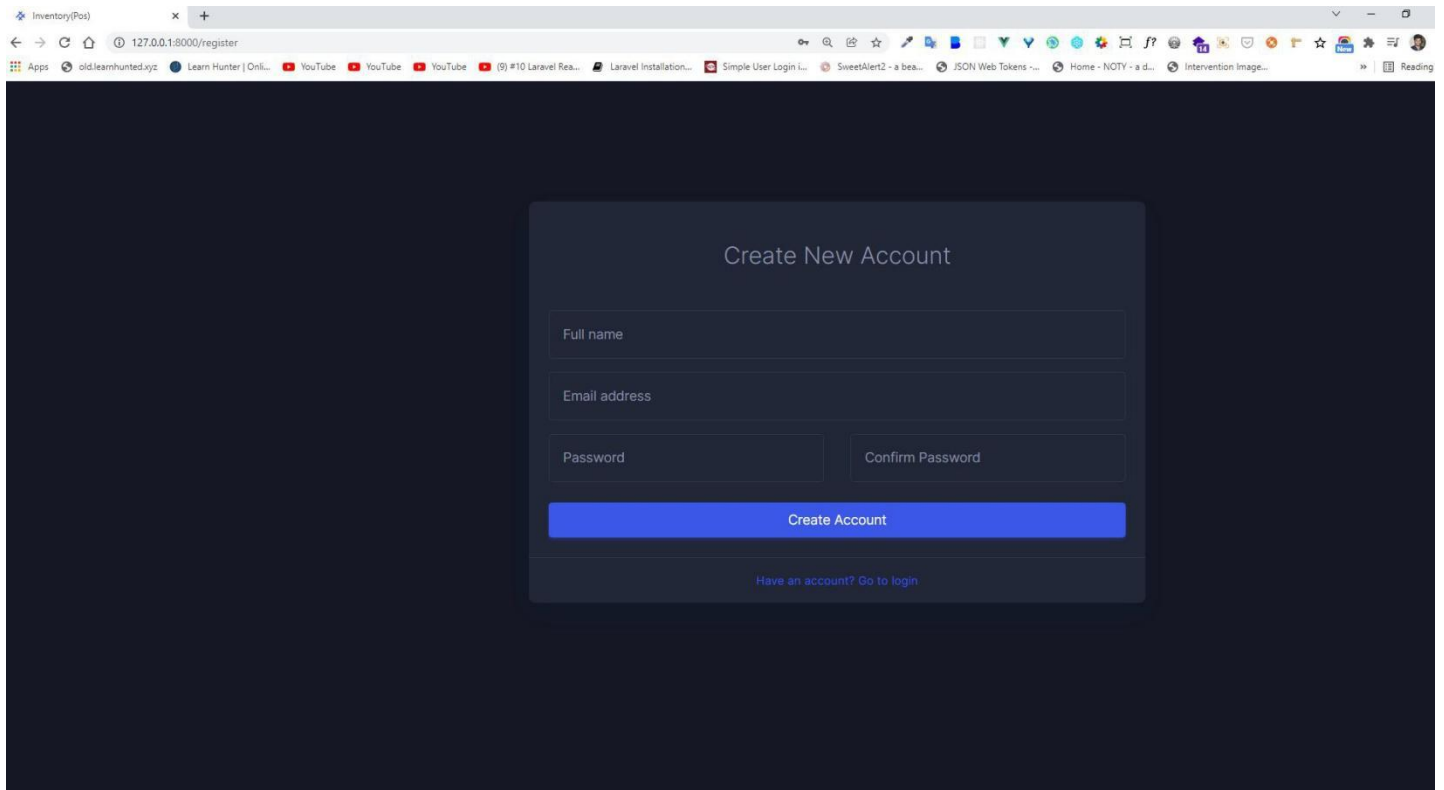
Testing environment means to prepare the environment with hardware and software so that test engineers can be able to execute test cases as required. Besides hardware and software usage, network configuration might be needed to execute test plans.

1. Browser: -Google Chrome, Firefox.
2. CoreI5, Ram# 8GB, SSD-120GB, HDD-1TB.

CHAPTER - 06

User Interface

Create Account

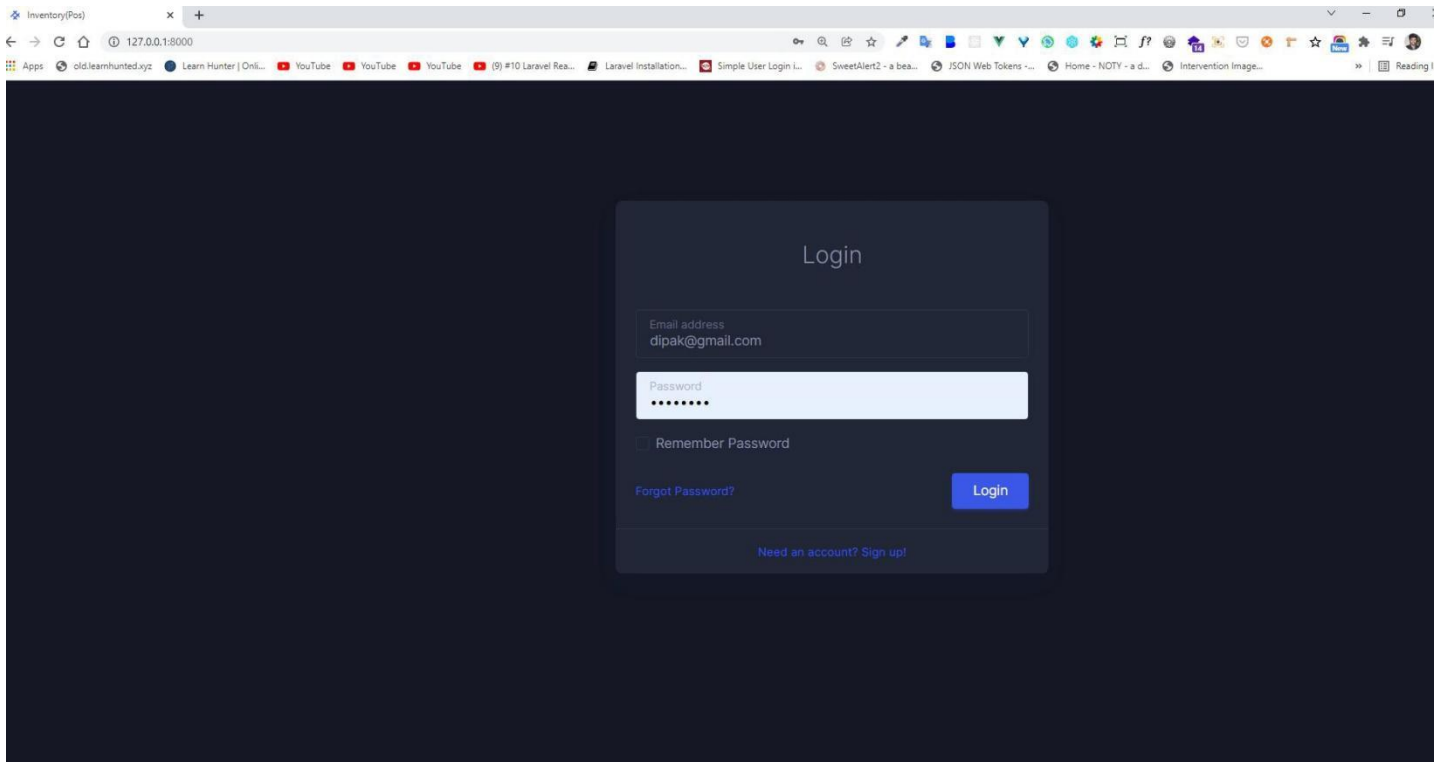


The screenshot displays a web browser window with the address bar showing '127.0.0.1:8000/register'. The browser's tab bar includes 'Inventory(Poi)' and several other tabs. The main content area features a dark-themed 'Create New Account' form. The form contains the following elements:

- Title: 'Create New Account'
- Input fields: 'Full name', 'Email address', 'Password', and 'Confirm Password'.
- Submit button: A blue button labeled 'Create Account'.
- Footer link: A link that reads 'Have an account? Go to login'.

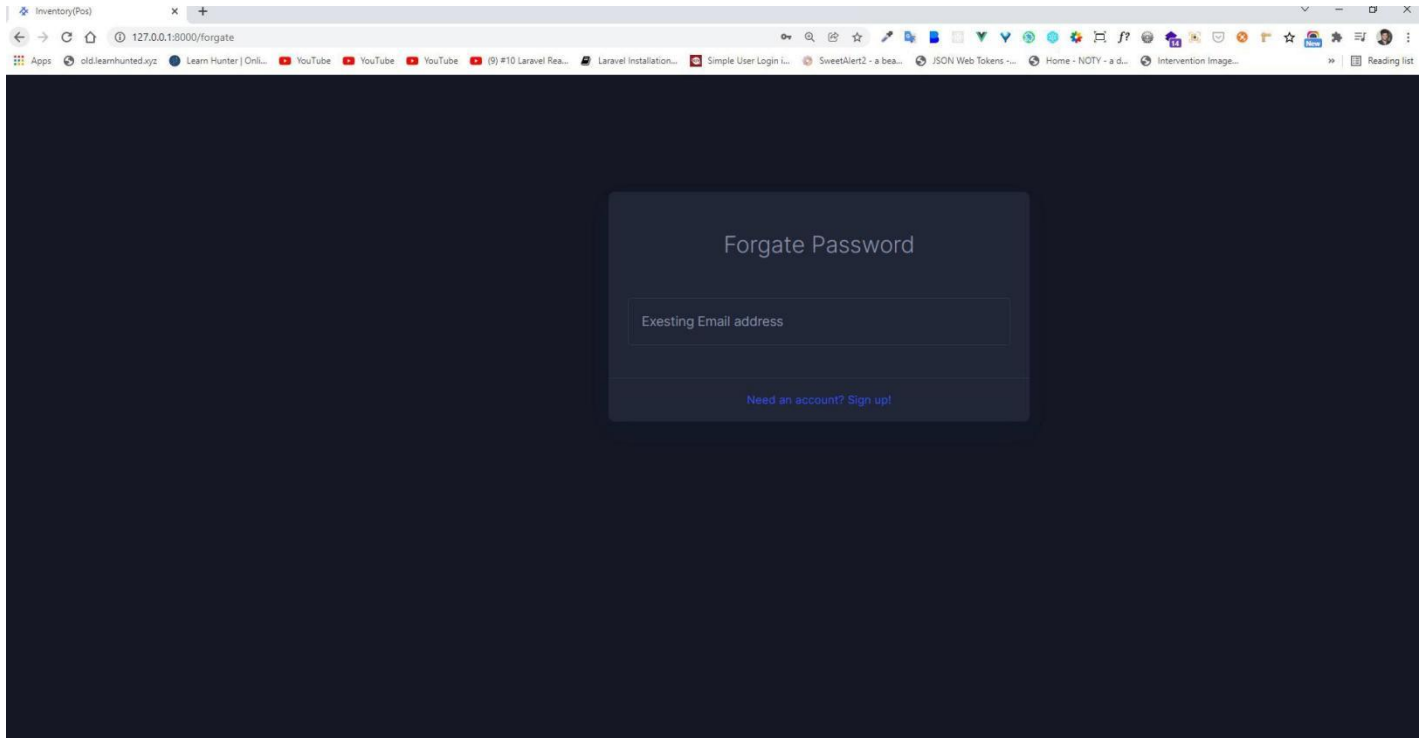
Create Account Page

Login



Login Page

Forgate Password



Forgate Password Page

Add Category

Inventory(Pos)

127.0.0.1:8000/store-category

Apps old.learnhunted.xyz Learn Hunter | Onli... YouTube YouTube YouTube (9) #10 Laravel Res... Laravel Installation... Simple User Login L... SweetAlert2 - a bea... JSON Web Tokens ~... Home - NOTY - a d... Intervention Image... Reading list

Home

- Dashboard
- Pos(Point Of Sale)
- Employee >
- Suppliers >
- Category >
 - Add Category
 - All Category
- Product >
- Expenses >
- Salary >
- Stock >
- Customer >
- Order >

Add New Category

All Category

Category Name

Desktop Build

Submit

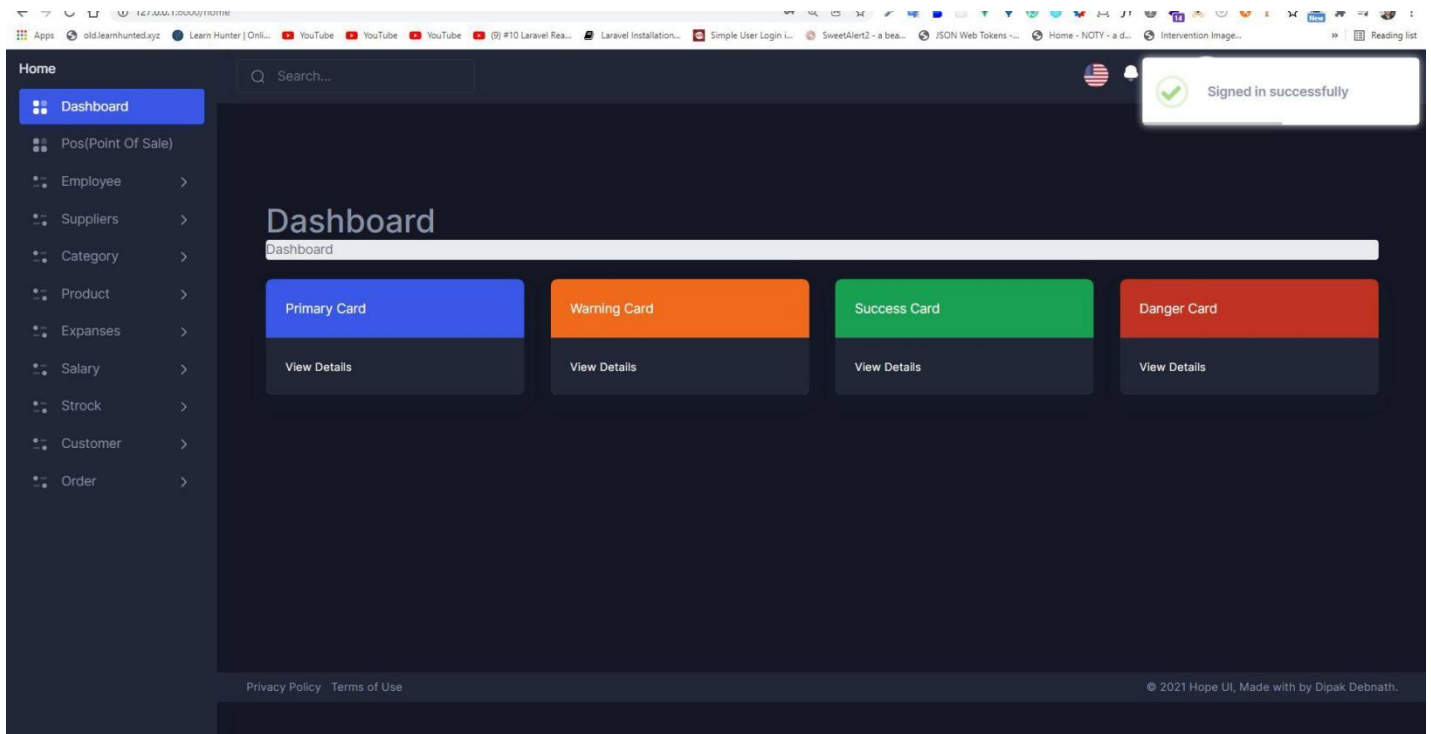
Privacy Policy Terms of Use

© 2021 Hope UI. Made with by Dipak Deb Nath.

7:11 PM

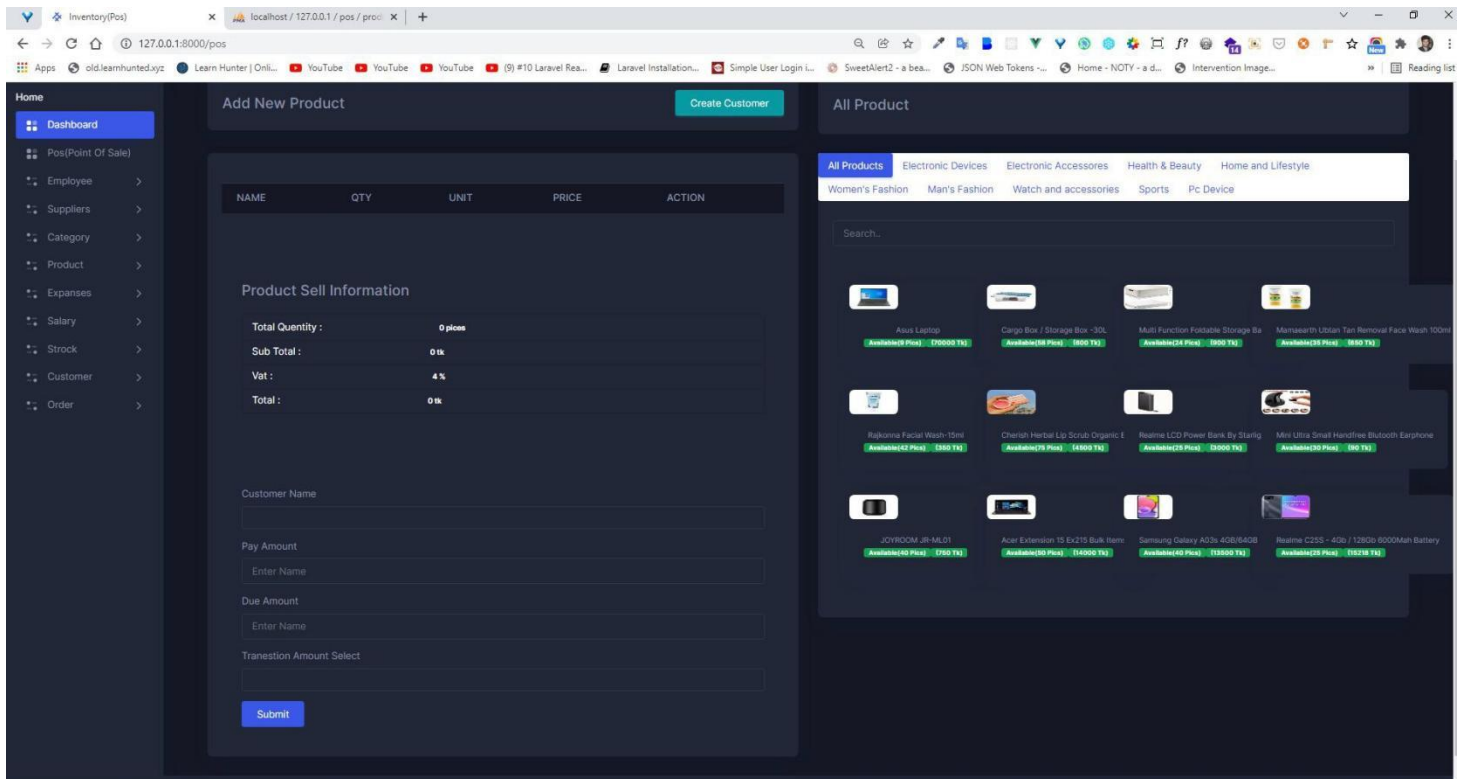
Add Category Page

Admin Dashboard



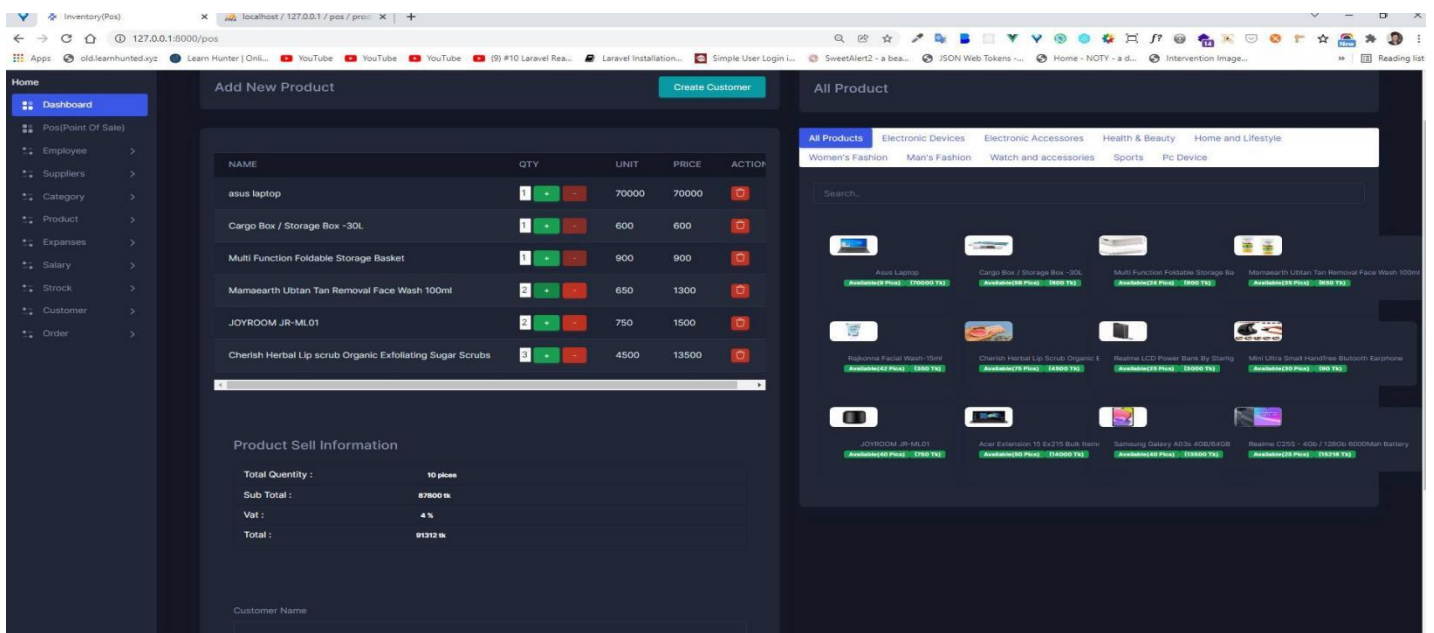
Admin Dashboard Page

Inventory POS (Point Of Sale)



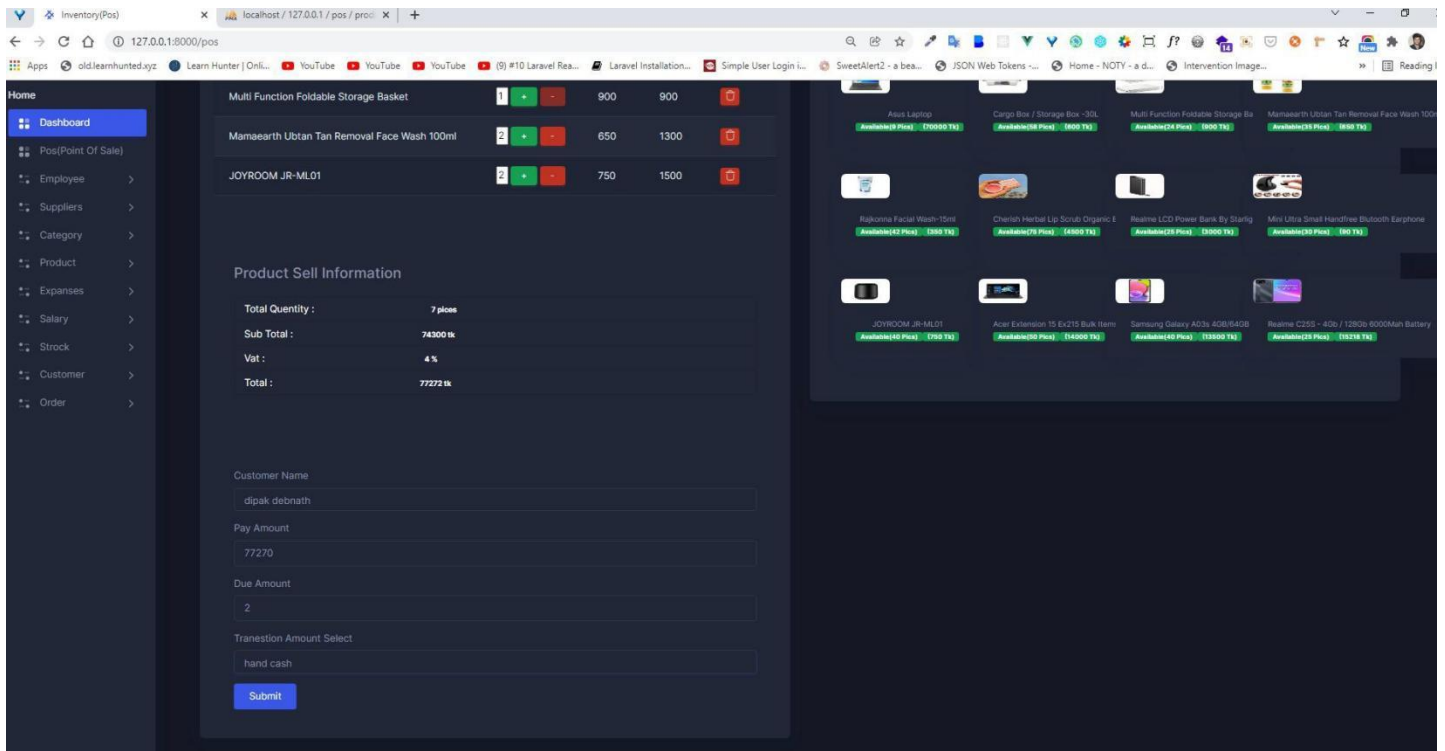
POS Page

Add To Cart Product



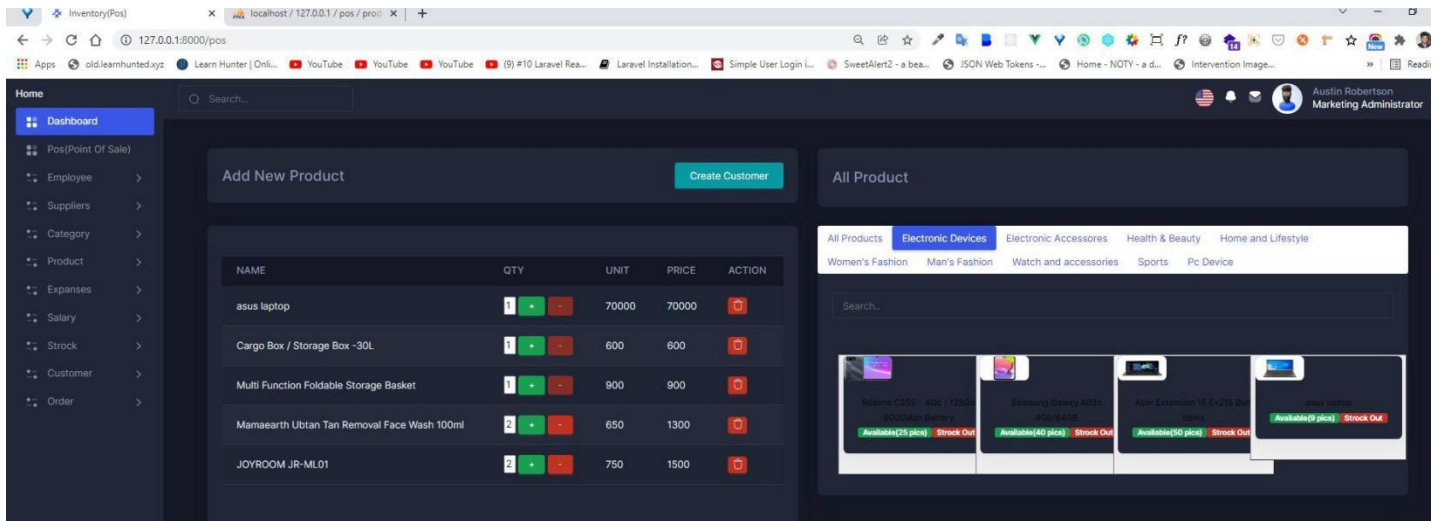
Add To Cart Page

Select Customer



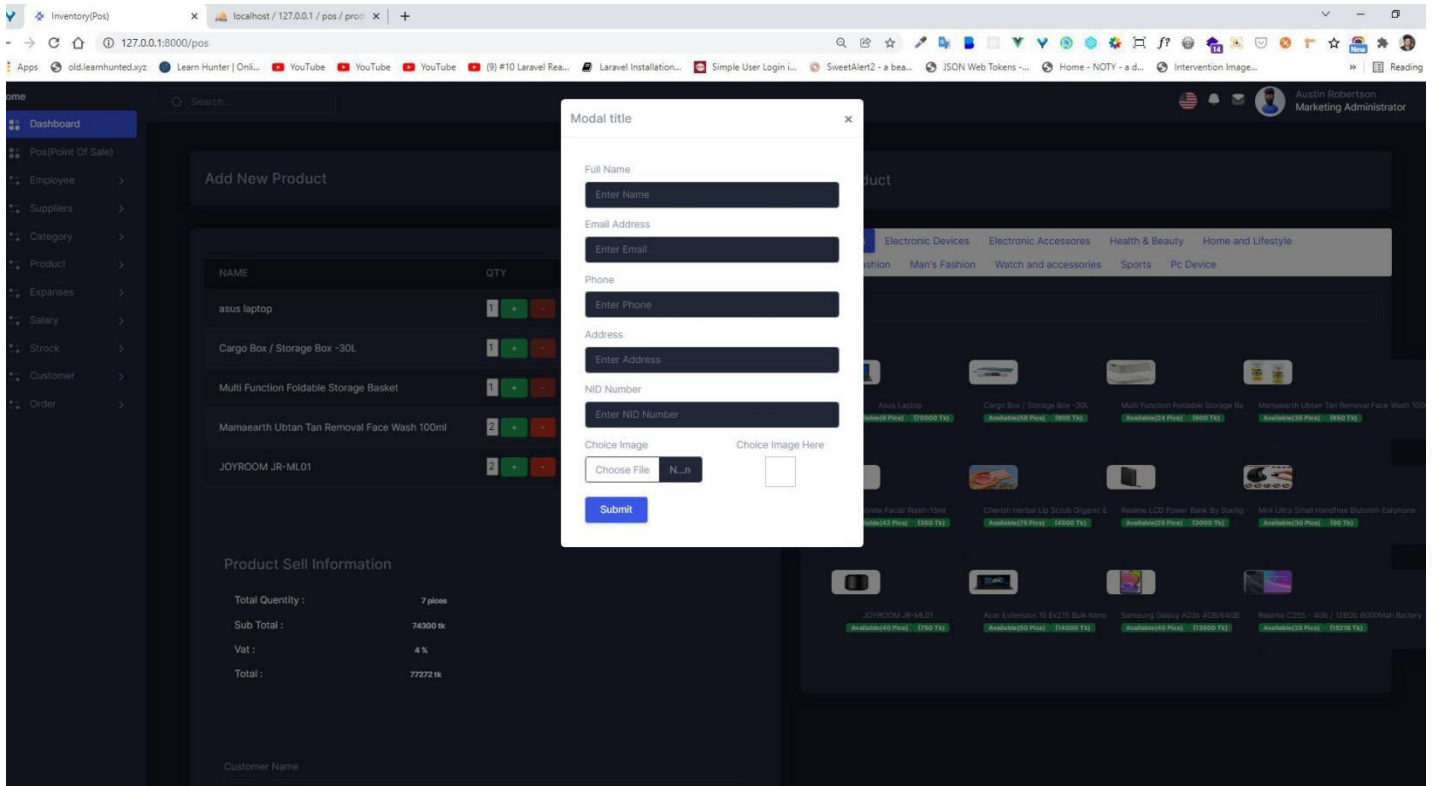
Select Customer Page

Update Cart



Update Cart Page

Create Customer Account



Create Customer Account

Add Customer

The screenshot shows a web browser window with the URL `localhost / 127.0.0.1 / pos / proc`. The application is titled "Inventory(Pos)" and has a sidebar menu with options: Dashboard, Pos(Point Of Sale), Employee, Suppliers, Category, Product, Expenses, Salary, Stock, Customer (selected), and Order. The "Customer" menu is expanded, showing "Add Customer", "All Customer", and "Order". The main content area is titled "Add New Customer" and contains a form with the following fields: Full Name (Enter Name), Email Address (Enter Email), Phone (Enter Phone), Address (Enter Address), NID Number (Enter NID Number), and Choice Image (Choose File, No file chosen). A "Submit" button is at the bottom left, and an "All Customer" button is at the top right.

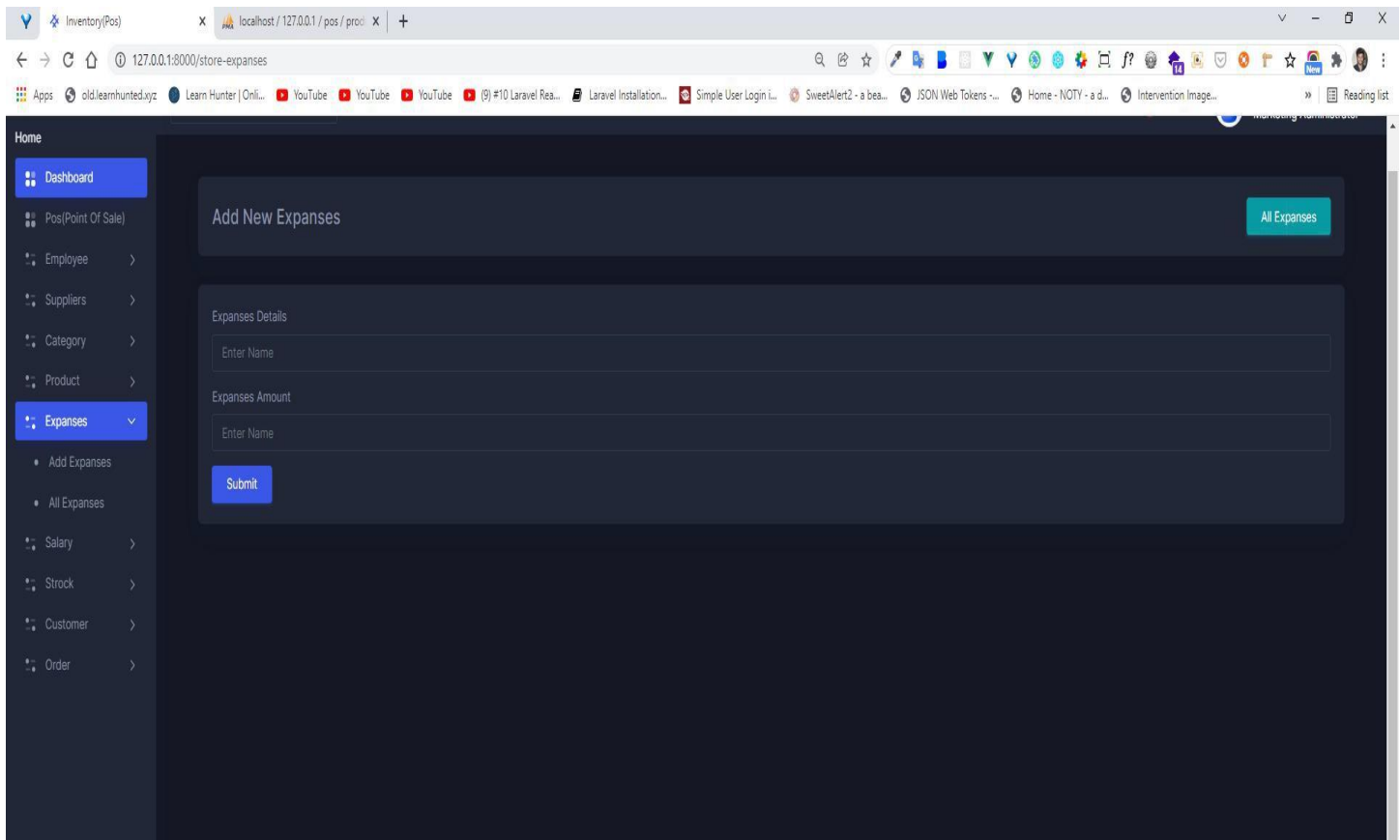
Add New Customer

Create Employee

The screenshot shows a web browser window with the URL `127.0.0.1:8000/store-employee`. The application is titled "Inventory(Pos)" and has a sidebar menu with options: Dashboard, Pos(Point Of Sale), Employee (selected), Suppliers, Category, Product, Expenses, Salary, Stock, Customer, and Order. The "Employee" menu is expanded, showing "Add Employee" and "All Employee". The main content area is titled "Add New Employee" and contains a form with the following fields: Full Name (Enter Name), Email Address (Enter Email), Phone (Enter Phone), Address (Enter Address), Salary (Enter Salary), NID Number (Enter NID Number), Joining Date (mm/dd/yyyy), and Choice Image (Choose File, No file chosen). A "Submit" button is at the bottom left, and a "Cancel" button is at the bottom right. The top right of the page shows the user's name "Austin Robertson" and the role "Marketing Administrator".

Create New Employee

Add Expances



The screenshot shows a web browser window with the URL `localhost / 127.0.0.1 / pos / proc`. The page is titled "Add New Expases" and features a sidebar menu on the left. The sidebar includes options like "Dashboard", "Pos(Point Of Sale)", "Employee", "Suppliers", "Category", "Product", "Expenses" (selected), "Salary", "Strock", "Customer", and "Order". The main content area contains a form with two input fields: "Expases Details" and "Expases Amount", both with placeholder text "Enter Name". A "Submit" button is located below the "Expases Amount" field. An "All Expases" button is visible in the top right corner of the form area.

Home

- Dashboard
- Pos(Point Of Sale)
- Employee >
- Suppliers >
- Category >
- Product >
- Expenses ▾
 - Add Expases
 - All Expases
- Salary >
- Strock >
- Customer >
- Order >

Add New Expases

All Expases

Expases Details

Enter Name

Expases Amount

Enter Name

Submit

Add Expases Page

Create Supplier

The screenshot shows a web browser window with the URL `127.0.0.1:8000/store-supplier`. The page is titled "Add New Supplier" and features a sidebar menu on the left with options like Dashboard, Post(Point Of Sale), Employee, Suppliers (selected), Category, Product, Expenses, Salary, Stock, Customer, and Order. The main form area contains the following fields:

- Full Name:
- Email Address:
- Phone:
- Address:
- Shop name:
- Choice Image: No file chosen

At the bottom of the form are "Submit" and "Cancel" buttons. A "Choice Image Here" label is next to a small square image placeholder. A teal button labeled "All Supplier" is in the top right corner of the form area.

Create Supplier Page

Create Product

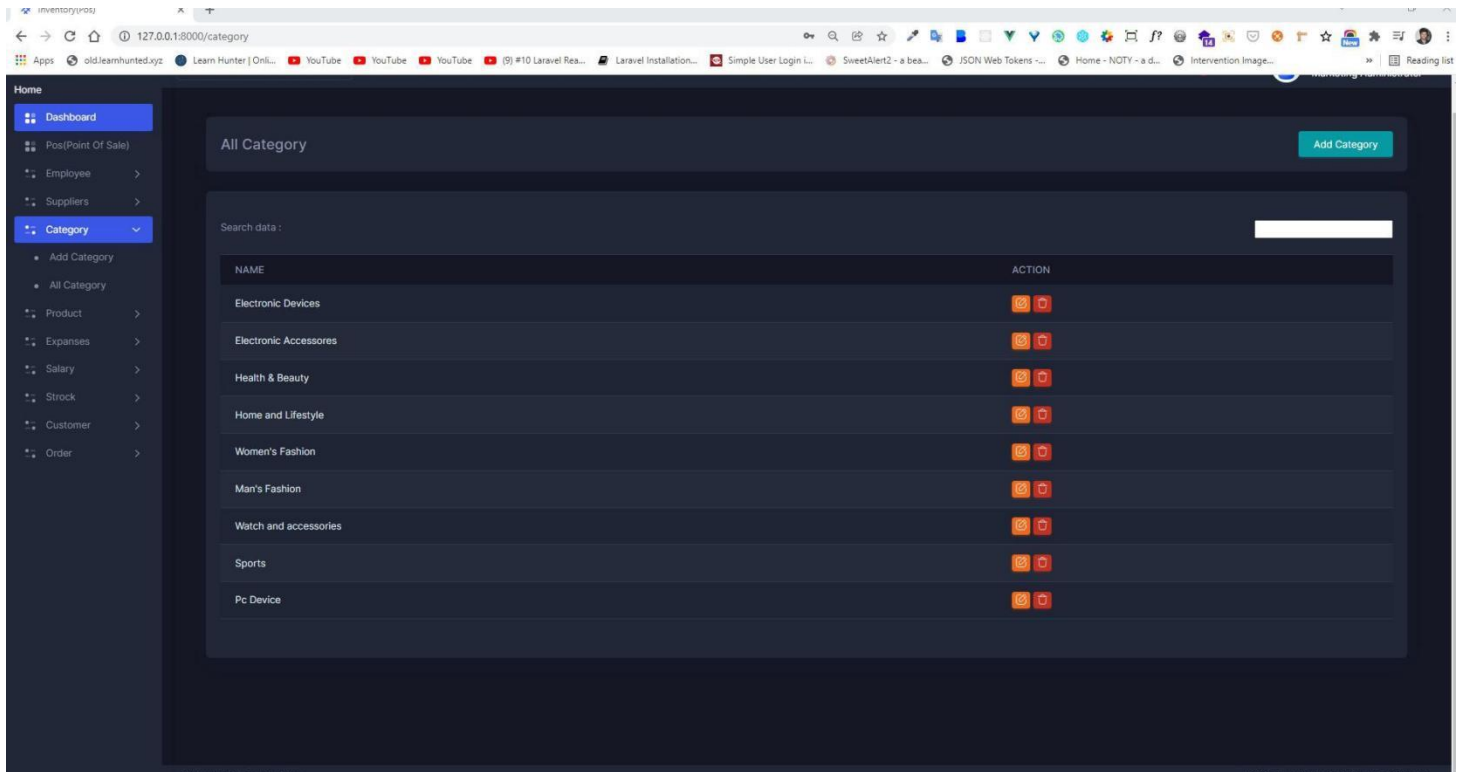
The screenshot shows a web application interface for adding a new product. The sidebar on the left has a 'Product' menu item highlighted. The main content area is titled 'Add New Product' and contains a form with the following fields:

- Select Category: Electronic Devices
- Select Supplier: dipak
- Product Name: asus laptop
- Product Code: asus023
- Product Quantity: 10
- Buying Price: 60000
- Selling Price: 70000
- Root: F
- Baying Date: 12/30/2021
- Choice Image: A file named 'download (12).jpg' is selected.

A 'Submit' button is located at the bottom of the form. The footer of the application includes a 'Privacy Policy' link, a 'Terms of Use' link, and a copyright notice: '© 2021 Hope UI. Made with by Dipak Gubmath.'

Create Product Page

View Category



View Category Page

View Customer

The screenshot shows a web application interface for managing customers. The sidebar on the left contains a menu with the following items: Dashboard, Pos(Point Of Sale), Employee, Suppliers, Category, Product, Expenses, Salary, Stock, Customer (selected), Add Customer, All Customer, and Order. The main content area is titled 'All Customer' and features a search bar labeled 'Search data :'. Below the search bar is a table with the following data:

PROFILE	NAME	CONTACT	EMAIL	ADDRESS	NID NUMBER	ACTION
	dipak debnath	0163205402	dipak@gmail.com	dhaka	0246544	
	dipak debnathiss	021546	dipak@gmail.com	dhaka ss	154121	
	sattay debnath	01632054	sattay@gmail.com	dhanmondi 32	015454121	
	alamin	5243	ali@gmail.com	dhaka	2465	
	joy	02421	joy@gmail.com	dhaka	023414	
	dipaks	0241314	dipaks@gmail.com	dhaka	64564	
	gtgf	10	dipak@gmail.com	dhaka	0235	

View Customer Page

View Employee

Inventory(Pos) x +

127.0.0.1:8000/employee

Apps oldlearnhuntedxyz Learn Hunter | Onli... YouTube YouTube YouTube (9) #10 Laravel Res... Laravel Installation... Simple User Login L... SweetAlert2 - a bea... JSON Web Tokens -... Home - NOTY - a d... Intervention Image... Reading list

Home

- Dashboard
- Pos(Point Of Sale)
- Employee
 - Add Employee
 - All Employee
- Suppliers >
- Category >
- Product >
- Expenses >
- Salary >
- Stock >
- Customer >
- Order >

All Employee [Add Employee](#)

Search data :

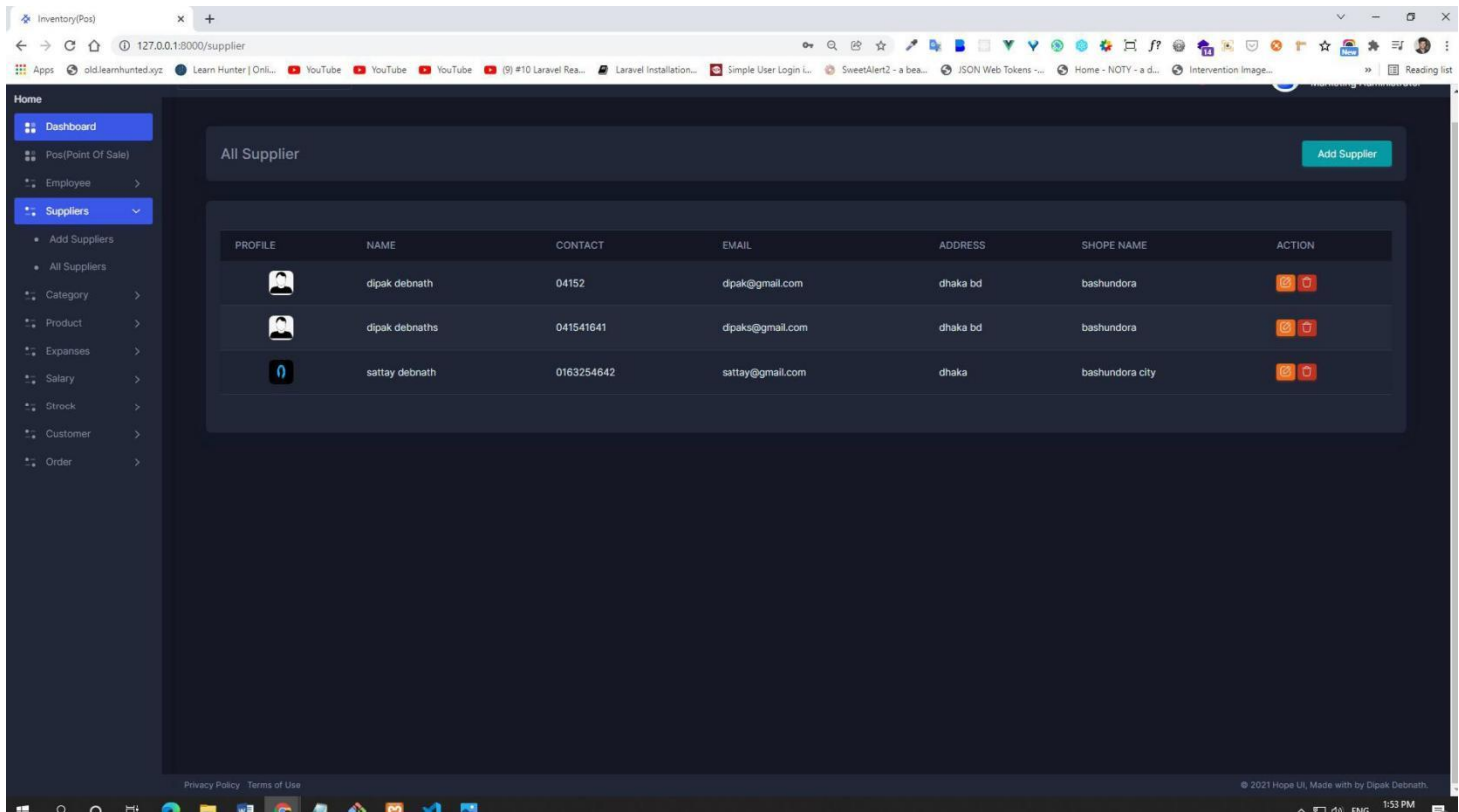
PROFILE	NAME	CONTACT	EMAIL	ADDRESS	SALARY	NID NUMBER	JOIN DATE	ACTION
	dipak debnath	01632054022	dipak@gmail.com	dhaka	52000	15456461	2021-09-23	
	Sandip Sarkar	01632054021	sandip@gmail.com	dhaka	250000	0214655641	2021-09-22	
	Iqbal	018320540221	iqbal@gmail.com	dhaka bd	02500	454312321	2021-09-23	
	Raihan	0163205022	raihan@gmail.com	dhaka	20000	01546541	2021-12-30	

Privacy Policy Terms of Use

© 2021 Hope UI, Made with by Dipak Debnath.

View Employee Page





View Supplier



View Supplier Page

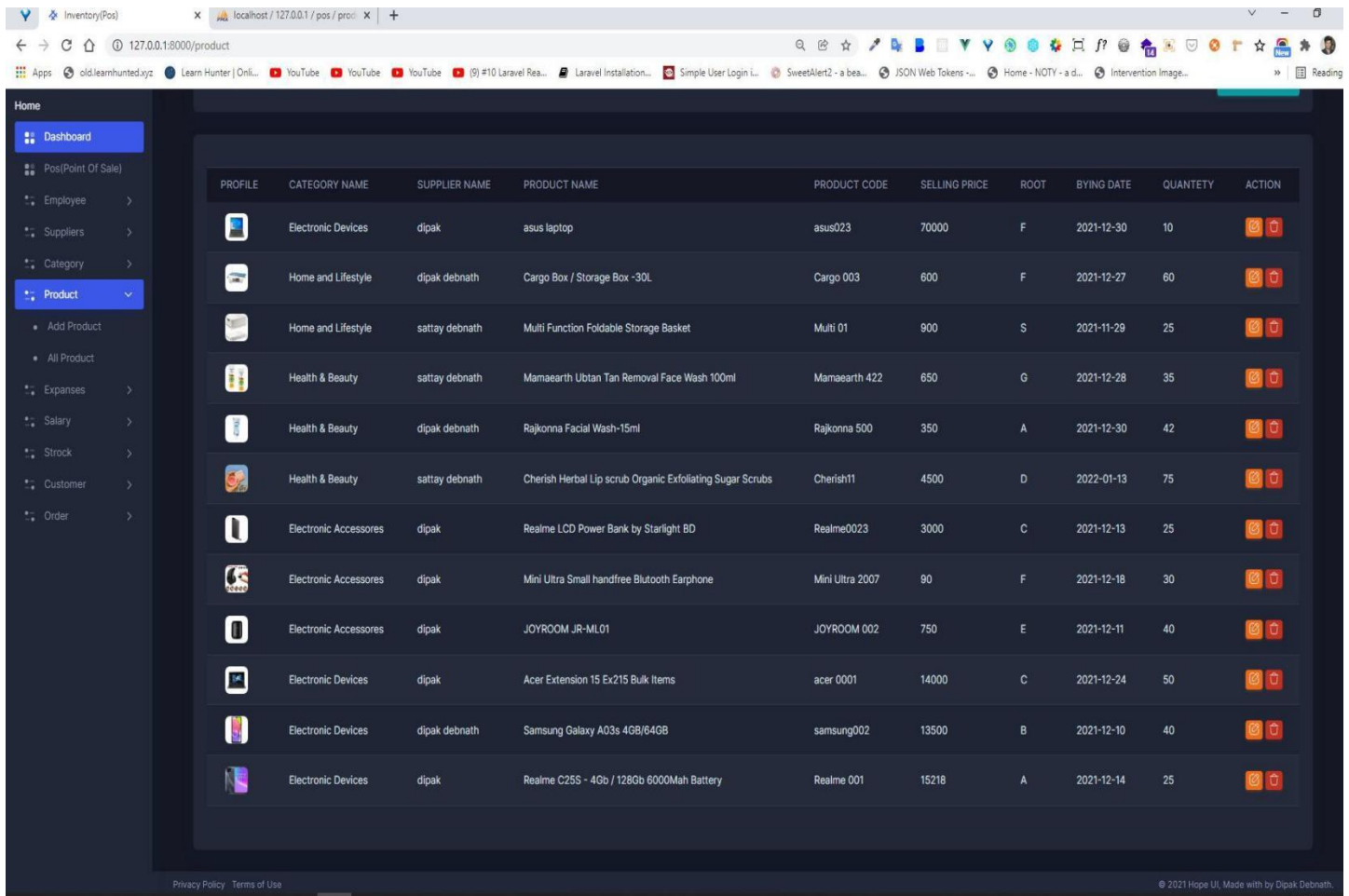
View Expenses

The screenshot displays a web application interface for managing expenses. The sidebar on the left contains a 'Home' section with a 'Dashboard' link and an 'Expenses' section with sub-links for 'Add Expenses' and 'All Expenses'. The main content area is titled 'All Expenses' and includes an 'Add Expenses' button. Below the title is a search bar labeled 'Search data :'. A table lists the expenses:

EXPENSE DETAILS	EXPENSE AMOUNT	ACTION
baying tool	5000	 
baying others for my business	500	 

View ExpensesPage

View Product







































Inventory(Pos) localhost / 127.0.0.1 / pos / product

127.0.0.1:8000/product

Home

- Dashboard
- Pos(Point Of Sale)
- Employee
- Suppliers
- Category
- Product**
 - Add Product
 - All Product
- Expenses
- Salary
- Stock
- Customer
- Order

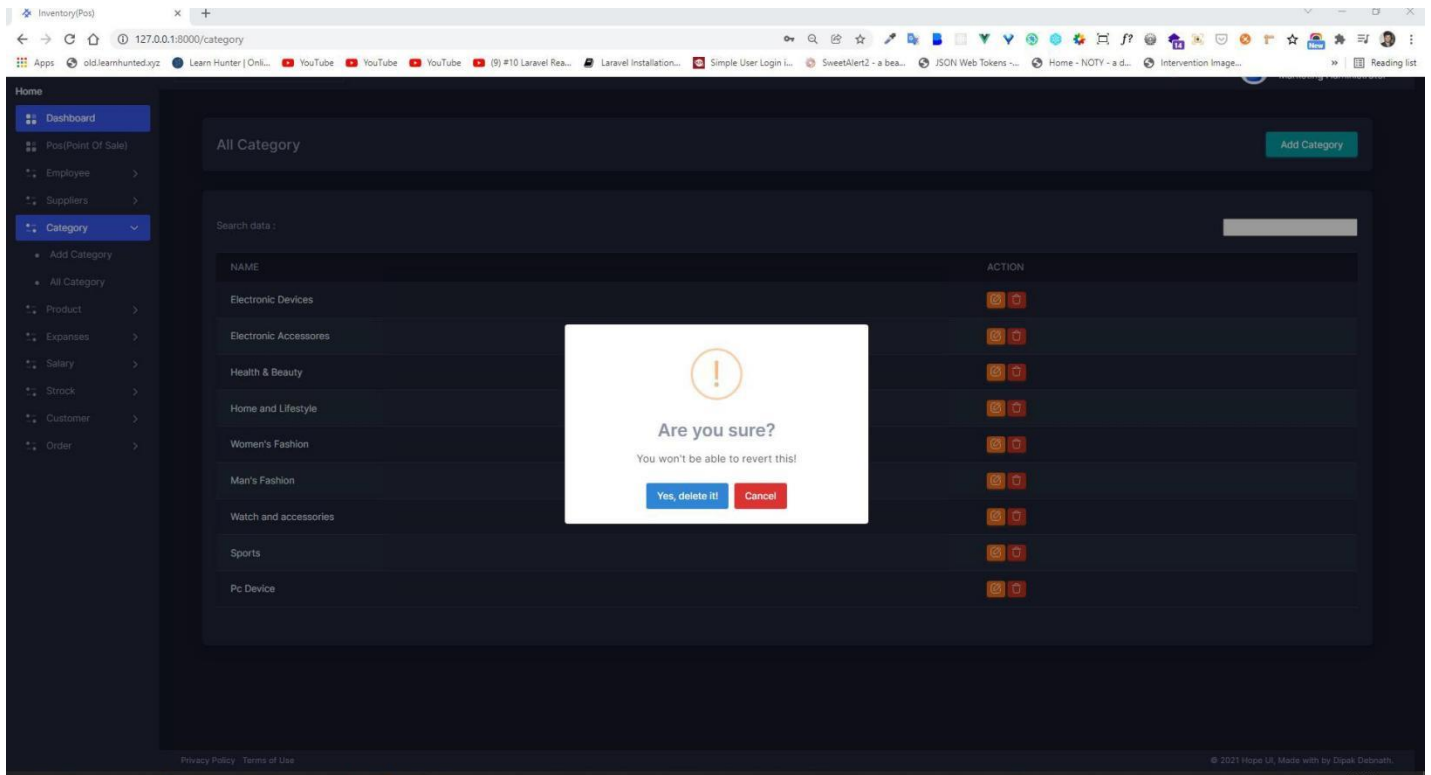
PROFILE	CATEGORY NAME	SUPPLIER NAME	PRODUCT NAME	PRODUCT CODE	SELLING PRICE	ROOT	BYING DATE	QUANTETY	ACTION
	Electronic Devices	dipak	asus laptop	asus023	70000	F	2021-12-30	10	 
	Home and Lifestyle	dipak debnath	Cargo Box / Storage Box -30L	Cargo 003	600	F	2021-12-27	60	 
	Home and Lifestyle	sattay debnath	Multi Function Foldable Storage Basket	Multi 01	900	S	2021-11-29	25	 
	Health & Beauty	sattay debnath	Mamaearth Ubtan Tan Removal Face Wash 100ml	Mamaearth 422	650	G	2021-12-28	35	 
	Health & Beauty	dipak debnath	Rajkonna Facial Wash-15ml	Rajkonna 500	350	A	2021-12-30	42	 
	Health & Beauty	sattay debnath	Cherish Herbal Lip scrub Organic Exfoliating Sugar Scrubs	Cherish11	4500	D	2022-01-13	75	 
	Electronic Accessores	dipak	Realme LCD Power Bank by Starlight BD	Realme0023	3000	C	2021-12-13	25	 
	Electronic Accessores	dipak	Mini Ultra Small handfree Bluetooth Earphone	Mini Ultra 2007	90	F	2021-12-18	30	 
	Electronic Accessores	dipak	JOYROOM JR-ML01	JOYROOM 002	750	E	2021-12-11	40	 
	Electronic Devices	dipak	Acer Extension 15 Ex215 Bulk Items	acer 0001	14000	C	2021-12-24	50	 
	Electronic Devices	dipak debnath	Samsung Galaxy A03s 4GB/64GB	samsung002	13500	B	2021-12-10	40	 
	Electronic Devices	dipak	Realme C25S - 4Gb / 128Gb 6000Mah Battery	Realme 001	15218	A	2021-12-14	25	 

Privacy Policy Terms of Use

© 2021 Hope UI, Made with by Dipak Debnath.

View Product Page

Destroy Category



Destroy Category Page

Destroy Product

The screenshot shows a web application interface for managing products. A confirmation dialog is displayed over the product list, asking "Are you sure?" with the warning "You won't be able to revert this!". The dialog has two buttons: "Yes, delete it!" and "Cancel".

PROFILE	CATEGORY NAME	SUPPLIER NAME	PRODUCT NAME	PRODUCT CODE	SELLING PRICE	ROOT	BYING DATE	QUANTETY	ACTION
	Electronic Devices	dipak	asus laptop	asus023	70000	F	2021-12-30	10	
	Home and Lifestyle	dipak debnath	Cargo Box / Storage Box -30L	Cargo 003	600	F	2021-12-27	60	
	Home and Lifestyle	sattay debnath	Multi Function Foldable Storage Basket	Multi 01	900	S	2021-11-29	25	
	Health & Beauty	sattay debnath	Mamaearth Ultra-Tan Remover Face Wash 500ml	Mamaearth 422	650	O	2021-12-28	35	
	Health & Beauty	dipak debnath	Rajkumari Skin Care Cream 500g	Rajkumari 500	350	A	2021-12-30	42	
	Health & Beauty	sattay debnath	Cherry Blossom Face Wash 100ml	Cherry Blossom 11	4500	D	2022-01-13	75	
	Electronic Accessories	dipak	Realme C25S - 4Gb / 128Gb 6000Mah Battery	Realme0023	3000	C	2021-12-13	25	
	Electronic Accessories	dipak	Minicase Ultra 2007	Minicase 2007	90	F	2021-12-18	30	
	Electronic Accessories	dipak	JOYROOM JR-ML01	JOYROOM 002	750	E	2021-12-11	40	
	Electronic Devices	dipak	Acer Extension 15 Ex215 Bulk Items	acer 0001	14000	C	2021-12-24	50	
	Electronic Devices	dipak debnath	Samsung Galaxy A03s 4GB/64GB	samsung002	13500	B	2021-12-10	40	
	Electronic Devices	dipak	Realme C25S - 4Gb / 128Gb 6000Mah Battery	Realme 001	15218	A	2021-12-14	25	

Destroy Product Page

Update Product

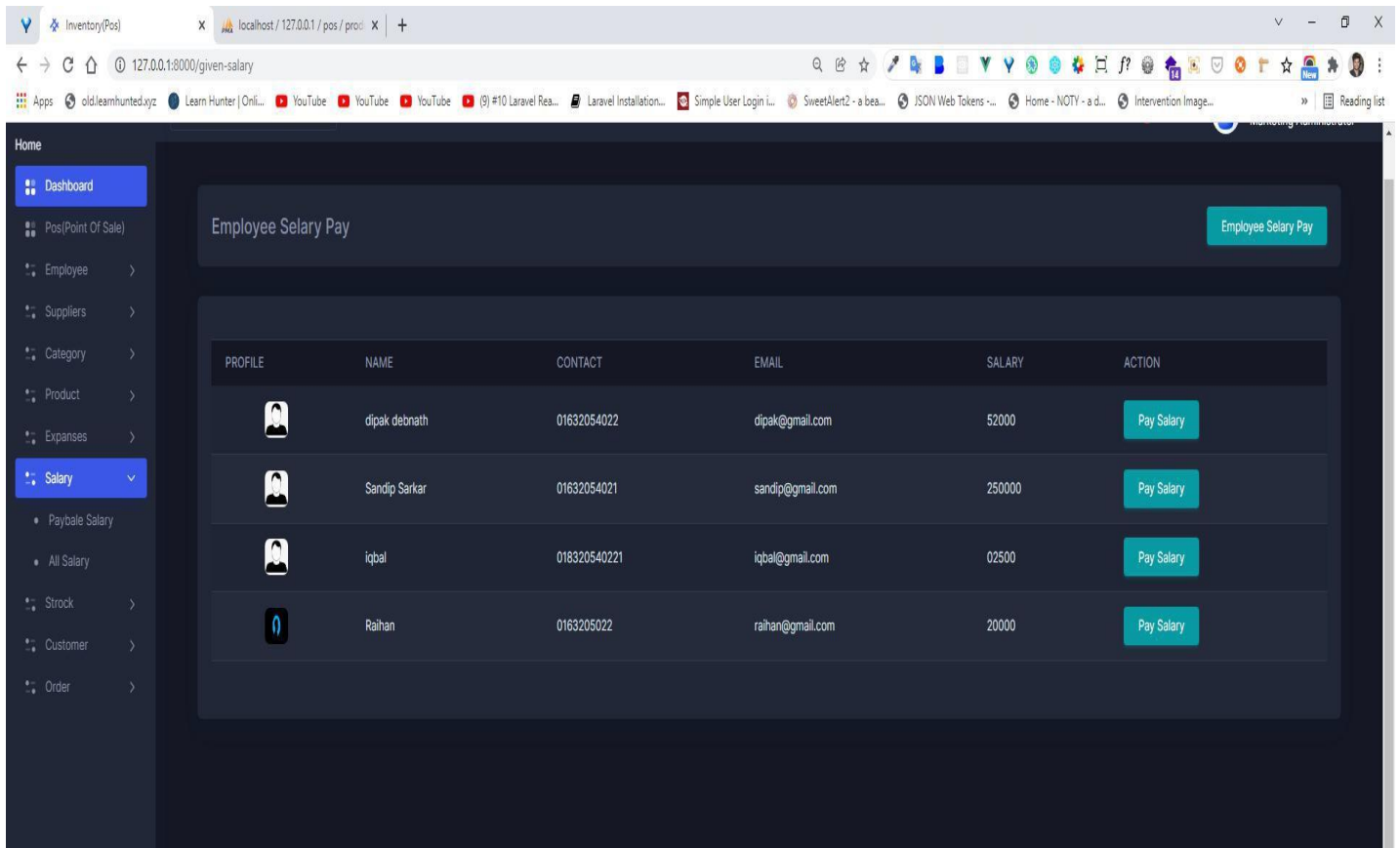
The screenshot shows a web browser window with the URL `localhost / 127.0.0.1 / pos / product / edit-product/20`. The browser's address bar and tabs are visible at the top. The application interface has a dark theme. On the left is a sidebar menu with the following items: **Home**, **Dashboard**, **Pos(Point Of Sale)**, **Employee**, **Suppliers**, **Category**, **Product** (which is expanded to show **Add Product** and **All Product**), **Expenses**, **Salary**, **Stock**, **Customer**, and **Order**. The main content area is titled **Add New Product** and contains a form with the following fields:

- Select Category**: A dropdown menu with **Electronic Devices** selected.
- Select Supplier**: A text input field containing **dipak**.
- Product Name**: A text input field containing **asus laptop**.
- Product Code**: A text input field containing **asus023**.
- Product Quantity**: A text input field containing **10**.
- Baying Price**: A text input field containing **60000**.
- Selling Price**: A text input field containing **70000**.
- Root**: A text input field containing **F**.
- Baying Date**: A date input field containing **12/30/2021**.
- Choice Image**: A section with a **Choose File** button and the text **No file chosen**.
- Choice Image Here**: A small square placeholder image.

At the bottom of the form is a **Submit** button. In the top right corner of the form area is an **All Product** button. The footer of the application shows **Privacy Policy** and **Terms of Use** links on the left, and a copyright notice **© 2021 Hope UI, Made with by Dipak Debnath.** on the right.

Update Product Page

Pay Sallery



Pay Salary Page

Salary Payment

The screenshot shows the 'Employee Update' form in the Inventory(POS) application. The form is located on the right side of the dashboard, and the 'Salary' menu item is selected in the left sidebar. The form contains the following fields:

- First Name: dipak debnath
- Email Address: dipak@gmail.com
- Phone: 01632054022
- Salary: 52000
- Select Month: (dropdown menu)

There is a 'Pay Now' button at the bottom of the form and an 'All Employee' button at the top right of the form area.

Salary Payment Page

View Pay Salary

The screenshot shows the 'All Salary' page in the Inventory(POS) application. The page displays a table of salary payments with the following columns: MONTH and DETAILS. The table contains three rows of data:

MONTH	DETAILS
February	View Salary
January	View Salary
May	View Salary

There is an 'Employee Salary Pay' button at the top right of the page.

View PAY Salary Page

Advance Sallary

The screenshot shows the 'Employee Update' form in the Inventory POS system. The form is located in the main content area, titled 'Employee Update' with an 'All Employee' button. The form fields are as follows:

- First Name: dipak debnath
- Email Address: dipak@gmail.com
- Phone: 01632054022
- Salary: 52000
- Select Month: (empty dropdown)

A 'Pay Now' button is located at the bottom of the form. The left sidebar shows the 'Salary' menu item selected under the 'Dashboard' category.

Advance Salary Page

View Customer

The screenshot shows the 'All Customer' page in the Inventory POS system. The page is titled 'All Customer' with an 'Add Customer' button. It features a search bar and a table of customer data.

Search data: 01632054

PROFILE	NAME	CONTACT	EMAIL	ADDRESS	NID NUMBER	ACTION
	dipak debnath	01632054022	dipak@gmail.com	dhaka	0246544	
	sattay debnath	01632054	sattay@gmail.com	dhanmondi 32	015464121	

The left sidebar shows the 'Customer' menu item selected under the 'Dashboard' category.

View Customer Page

Search Order By Date

Search Order

Today Order

Serch By Date



12/29/2021

Search

Month Name

Search

Search data :

NAME	QUANTATY	SUB TOTAL	VAT	TOTAL	PAY	DUE	ACTION
dipak debnath	4	72100	4	74984	0	74984	 

Search Order By Date Page




Send Problem

All Employee

Add Employee

Search data :



018

PROFILE	NAME	CONTACT	EMAIL	ADDRESS	SALARY	NID NUMBER	JOIN DATE	ACTION
	Iqbal	018320540221	iqbal@gmail.com	dhaka bd	02500	454312321	2021-09-23	 

Send problem Page

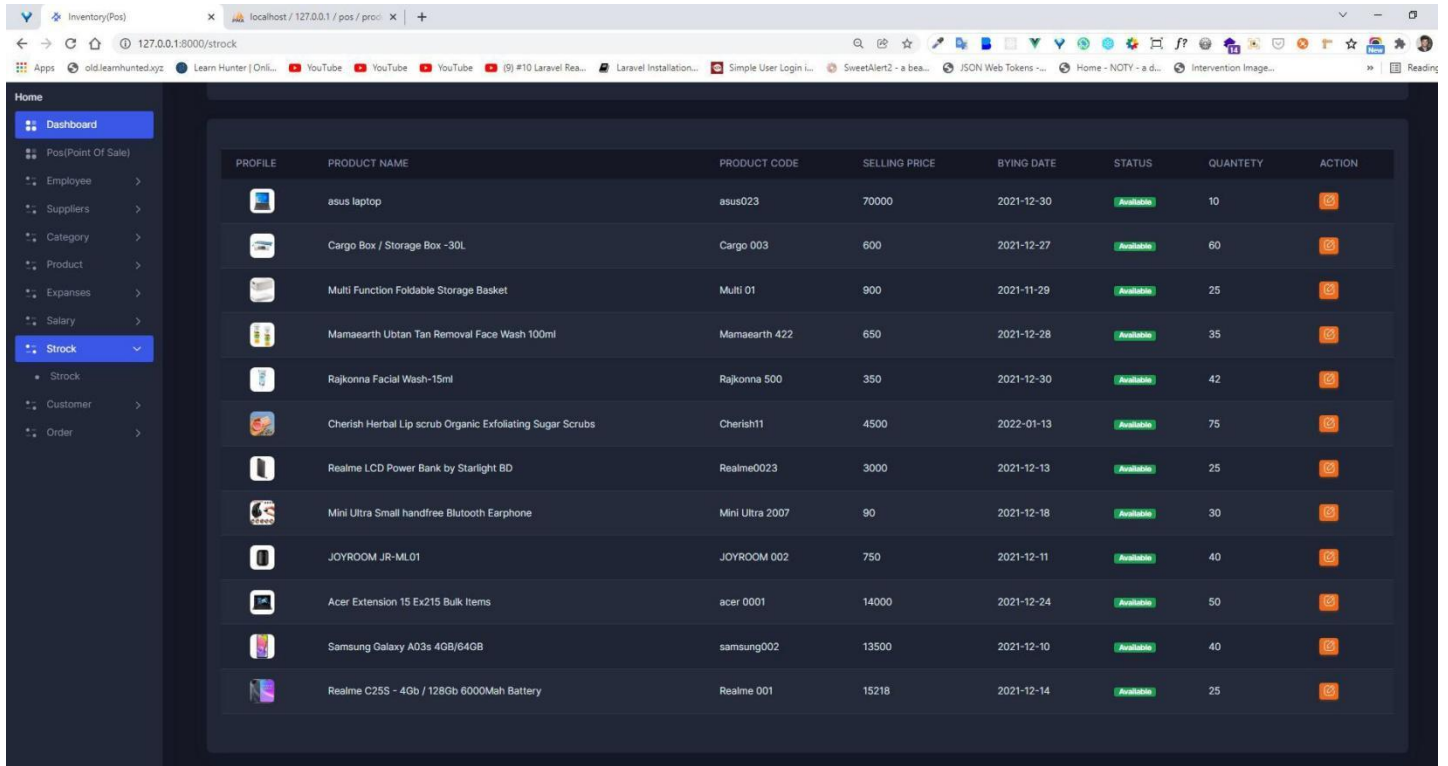
Search Order By Month

























The screenshot displays a web application interface for searching orders by month. The browser address bar shows the URL `127.0.0.1:8000/searchorder`. The application has a dark theme and a sidebar menu on the left with options like Dashboard, Pos(Point Of Sale), Employee, Suppliers, Category, Product, Expenses, Salary, Stock, Customer, and Order. The main content area has a search bar at the top right with the text "Search Order" and a "Today Order" button. Below this, there are two search filters: "Search By Date" with a date input field containing "12/29/2021" and a "Search" button, and "Month Name" with a dropdown menu showing "December" and a "Search" button. At the bottom, there is a section titled "Search data :" with a table of results.

NAME	QUANTATY	SUB TOTAL	VAT	TOTAL	PAY	DUE	ACTION
dipak debnath	4	72100	4	74984	0	74984	 

Search Order By Month Page

Managae Stock



PROFILE	PRODUCT NAME	PRODUCT CODE	SELLING PRICE	BYING DATE	STATUS	QUANTETY	ACTION
	asus laptop	asus023	70000	2021-12-30	Available	10	
	Cargo Box / Storage Box -30L	Cargo 003	600	2021-12-27	Available	60	
	Multi Function Foldable Storage Basket	Multi 01	900	2021-11-29	Available	25	
	Mamaearth Ubtan Tan Removal Face Wash 100ml	Mamaearth 422	650	2021-12-28	Available	35	
	Rajkonna Facial Wash-15ml	Rajkonna 500	350	2021-12-30	Available	42	
	Cherish Herbal Lip scrub Organic Exfoliating Sugar Scrubs	Cherish11	4500	2022-01-13	Available	75	
	Realme LCD Power Bank by Starlight BD	Realme0023	3000	2021-12-13	Available	25	
	Mini Ultra Small handfree Bluetooth Earphone	Mini Ultra 2007	90	2021-12-18	Available	30	
	JOYROOM JR-ML01	JOYROOM 002	750	2021-12-11	Available	40	
	Acer Extension 15 Ex215 Bulk Items	acer 0001	14000	2021-12-24	Available	50	
	Samsung Galaxy A03s 4GB/64GB	samsung002	13500	2021-12-10	Available	40	
	Realme C25S - 4Gb / 128Gb 6000Mah Battery	Realme 001	15218	2021-12-14	Available	25	

Managae Stock Page

Update Employee

The screenshot shows a web application interface for updating an employee. The browser address bar indicates the URL is 127.0.0.1:8000/edit-employee/11. The application has a dark theme and a sidebar menu on the left with options like Dashboard, Pos(Point Of Sale), Employee, Suppliers, Category, Product, Expenses, Salary, Stock, Customer, and Order. The main content area is titled 'Employee Update' and contains a form with the following fields: First Name (dipak debnath), Email Address (dipak@gmail.com), Phone (01632054022), Address (dhaka), Salary (52000), NID Number (15456461), and Joining Date (09/23/2021). There is also a 'Choice Image' section with a 'Choose File' button and a 'No file chosen' message. An 'Update' button is at the bottom of the form. A teal button labeled 'All Employee' is in the top right corner of the form area. The footer of the application shows 'Privacy Policy Terms of Use' and '© 2021 Hopa UI. Made with by Datta Debnath.'

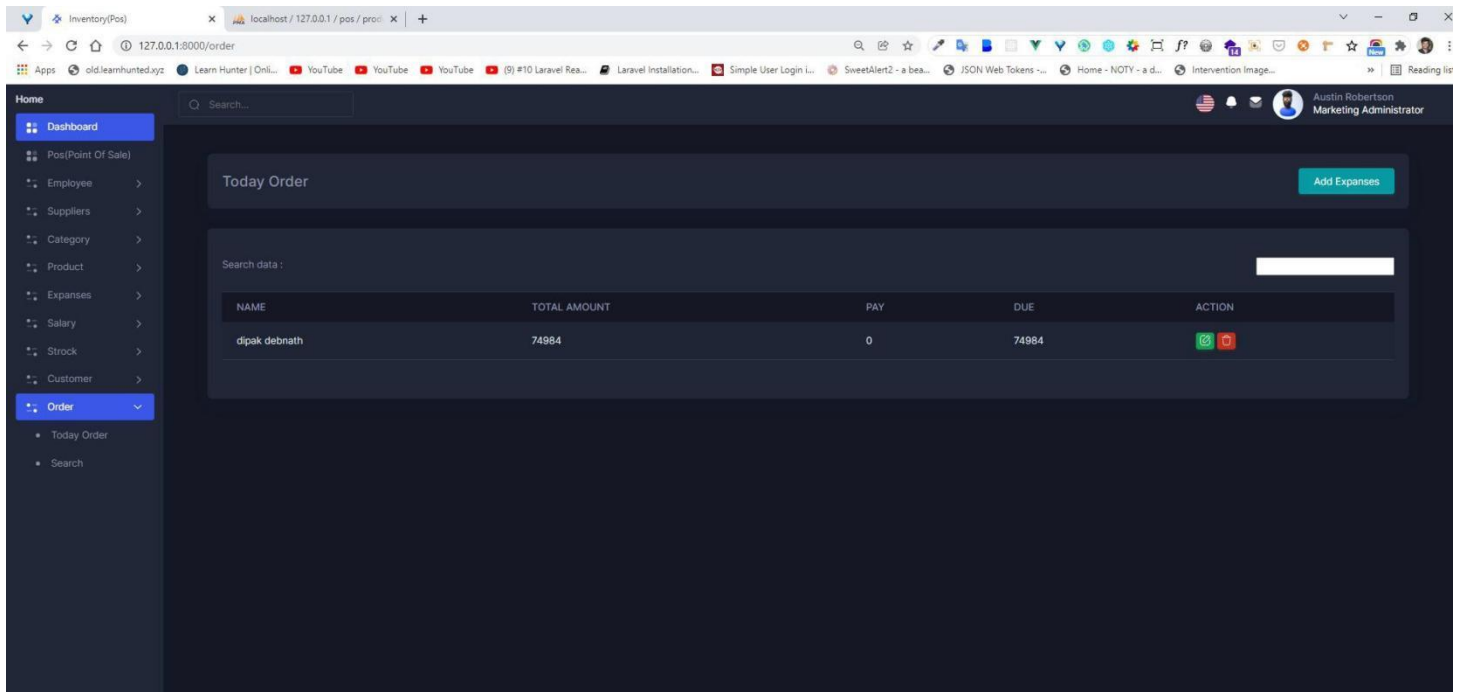
Update Employee Page

Stock Update

The screenshot shows a web application interface for updating product stock. The browser address bar indicates the URL is localhost / 127.0.0.1 / pos / proc / x. The application has a dark theme and a sidebar menu on the left with options like Dashboard, Pos(Point Of Sale), Employee, Suppliers, Category, Product, Expenses, Salary, Stock, Customer, and Order. The main content area is titled 'Product Stock Update' and contains a form with a 'Stock Update' field (value: 10) and an 'Update Stock' button. A teal button labeled 'All Product' is in the top right corner of the form area.

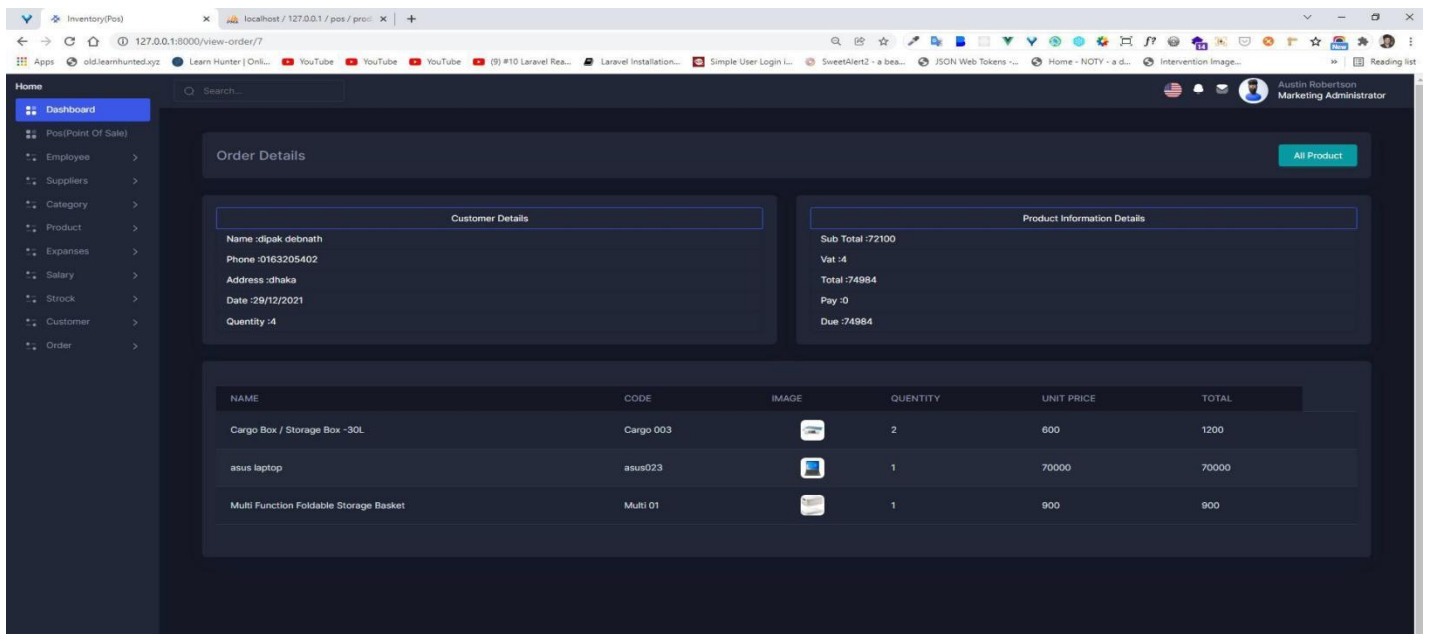
Stock Update Page

View Order



View Order Page

View Order Details



View Order Details Page

CHAPTER - 07

Project Summary

7.1 Limitations

1. The main limitation is system cannot handle million data and signals at time.

7.2 Obstacles and Achievement

Obstacles

- Learning new technology and new environment is a big issue.
- It's very difficult to complete a work within limited time.
- To collect requirements is a very tough.

Achievement

- Successfully built a project.
- Learnt a new technology.
- Deploy a project is a new experience.
- Learned the real-life experience by uploading project on the live server.
- Know about document and the development process.

7.3 Future Work

Though the system was developed as much as needed and its work properly. But I have to add something new features to make the systems fulfillment. The future work will include some major changes, such as-

7.3 Github Link

<https://github.com/dipak022/inventory>

References