

**THE MAHARAJA SAYAJIRAO UNIVERSITY OF
BARODA**

FACULTY OF SCIENCE



A BUSINESS MODELING PROJECT REPORT

on

Medical Store

Guided By

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In fulfillment for the award of the degree

of

BACHELOR OF COMPUTER APPLICATIONS

in

The Department of Computer Applications

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Acknowledgement

This Project is based on the Subject UML in Software Engineering-I. It was a great experience for us to work on the project. It helped us understand the practical applications of the theory we learned. This project has taught us various things in various ways and has made us attain more knowledge and made us a better person than we were before.

The success and final outcome of this project required a lot of guidance from many people and we are extremely fortunate to have got this all along the completion of our project work. Whatever we have done is only due to best guidance and we would not forget to thank them.

We owe our profound gratitude to our Brilliant and excellent project guides ***Mrs. Pooja Patel***, who took keen interest in our project work and guided us all along, till the completion of our project work by providing all the necessary help and support for developing a good project.

We are thankful and fortunate enough to get constant encouragement, support and guidance from all ***Teaching staffs*** of Department of computer applications which helped us in successfully completing our project work.

Work Distribution

This project is a collective work of all the group members.

The main area of work of members is as below:

GroupMember:	HimadriPandya	Preeti Kumari	ShikhaShah	Anjali Vare	Rahila Shaikh
Use-Case Diagram:	-Accounting Management -Employee Management	- Transportation Management -Employee Management	-Sales Management -Employee Management	-Purchase Management -Employee Management	-Stock Management -Employee Management
Activity Diagrams:	-Accounting Management -Employee Management	- Transportation Management -Employee Management	-Sales Management -Employee Management	-Purchase Management -Employee Management	-Stock Management -Employee Management
Sequence Diagrams:	-Accounting Management -Employee Management	- Transportation Management -Employee Management	-Sales Management -Employee Management	-Purchase Management -Employee Management	-Stock Management -Employee Management
Class Diagram:	✓	✓	✓	✓	✓
Documentation	✓	✓	✓	✓	✓

1) About Our System (Definition)

What is Medical Store?

A store that sells health care products and medicine. Customers can buy both over-the-counter and prescription medication at a drug store. It is not uncommon for drug stores to carry other frequently used household products and merchandise.

What is Medical store management?

The medical store management system helps to maintain and keep the medicines in the medical store in the proper place. When you need a particular medicine, you can get to know the exact location of that particular medicine that you are searching for.

2) Stakeholders

Internal Stakeholders

- **Owner**
- **Investors**
- **Employees**

Connected Stakeholders

- **Customers**
- **Shareholders**
- **Suppliers**
- **Financial Lenders(Bank)**

External Stakeholders

- **Government**

3) Actors:

- **Owner**
- **Customer**
- **Employees**
- **Supplier**
- **Computer**
- **Printer**
- **Bank**
- **Transporter**

4) Modules

- Purchase Management
- Stock Management
- Sales Management
- Transportation Management
- Employee Management
- Accounting Management

5) Purchase Management

5.1 Description

- Manager will order products according to their requirement to supplier.
- Manager can also add or remove products from the order.
- Supplier will supply products.
- Manager will maintain record about the orders.
- Owner will pay payment to supplier by cash or by cheque.

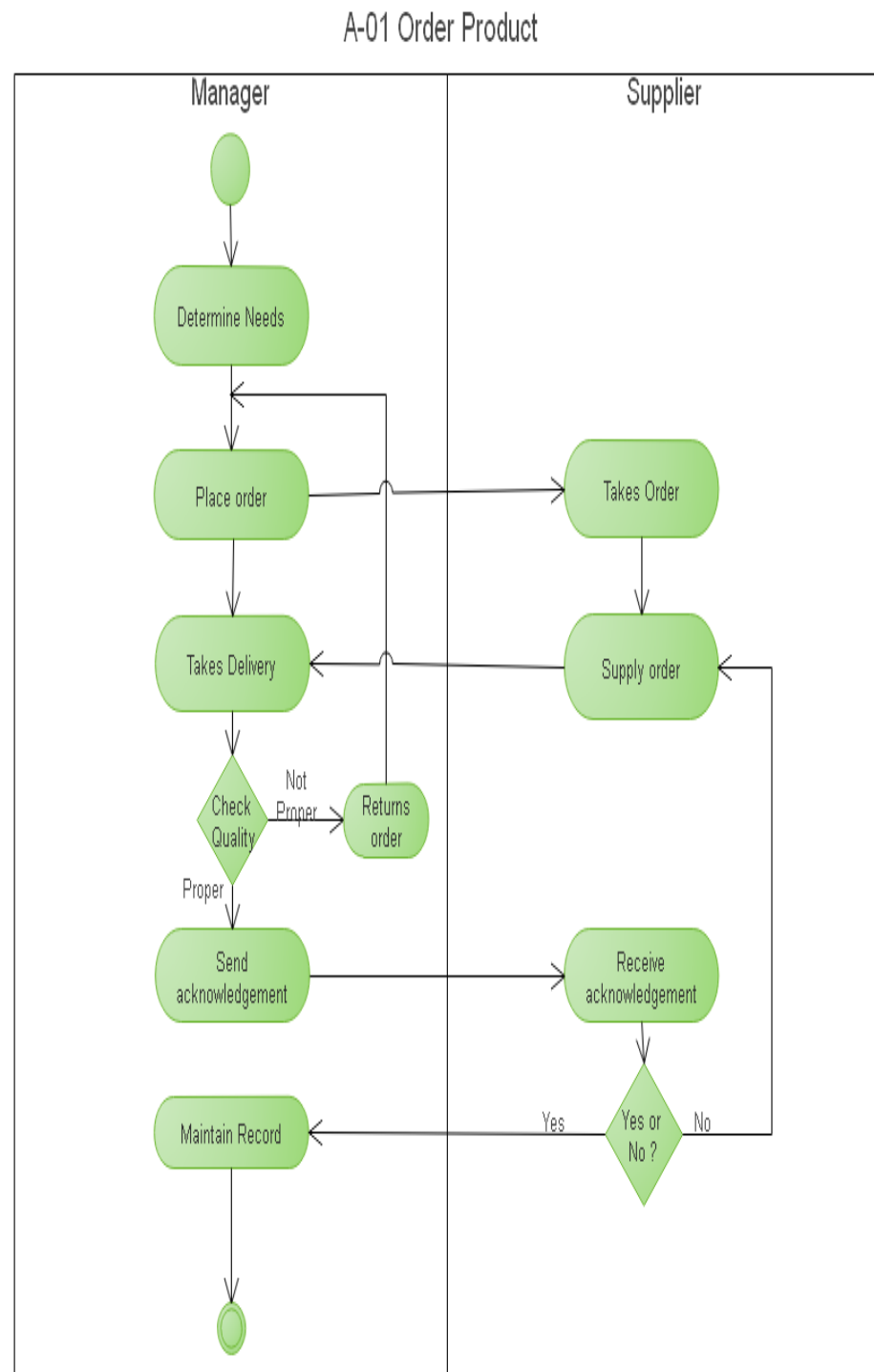
5.2Actors

- Supplier
- Owner
- Manager

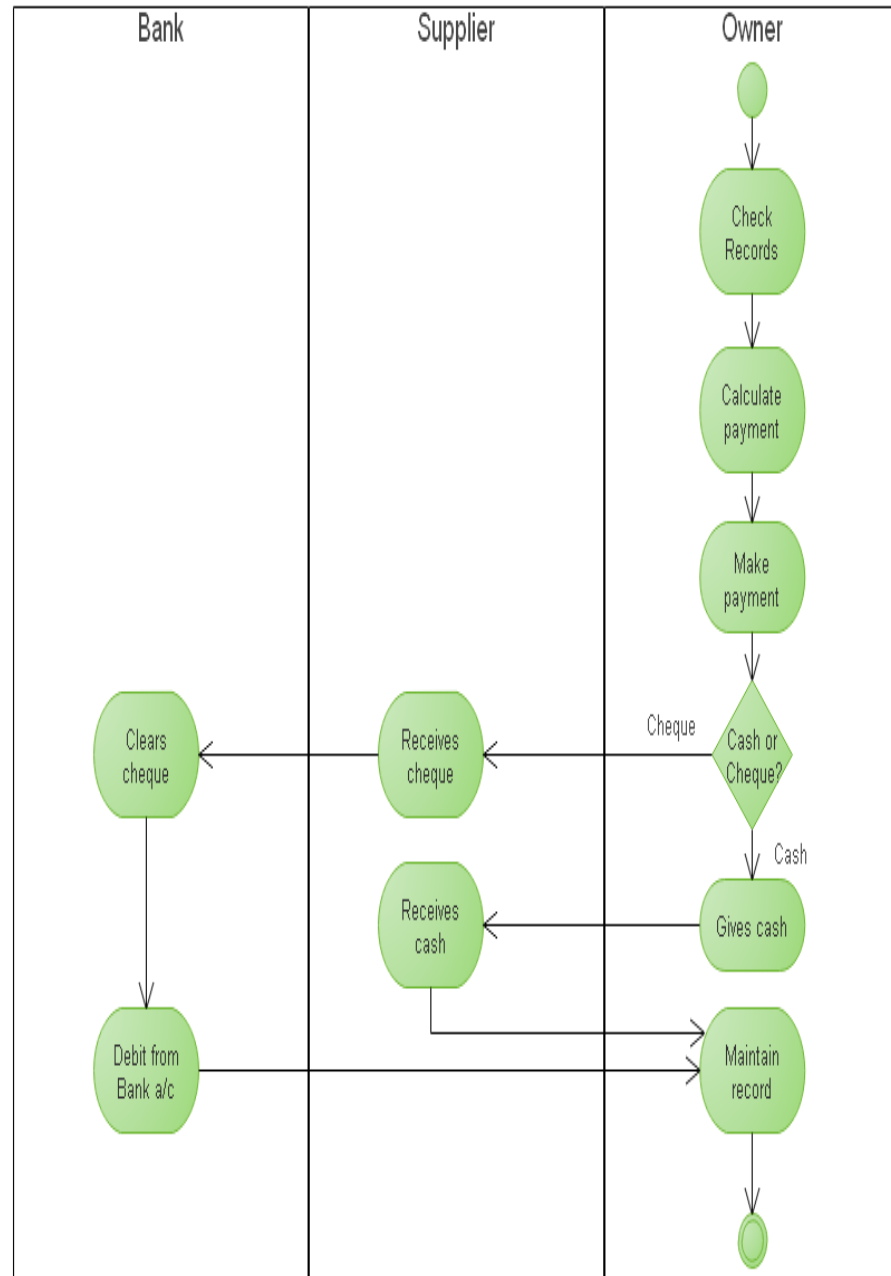
5.3 Use-case Diagram



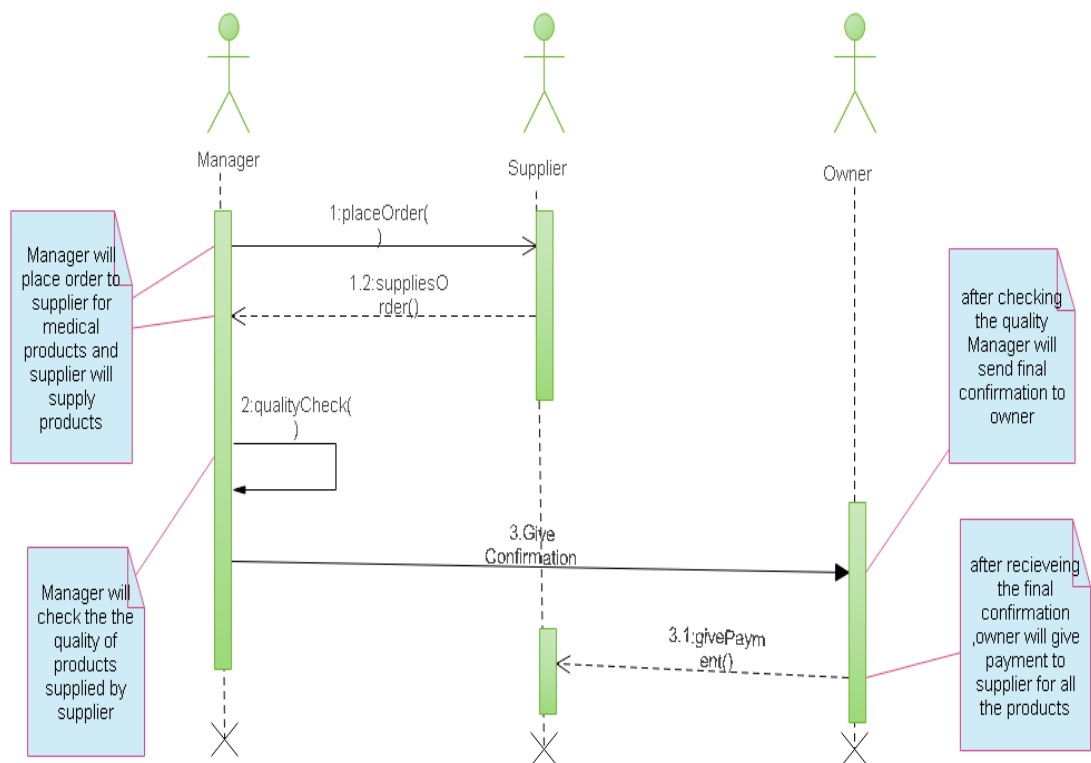
5.4 Activity Diagrams



A-02 Payment



5.5 Sequence Diagram



6)Stock Management

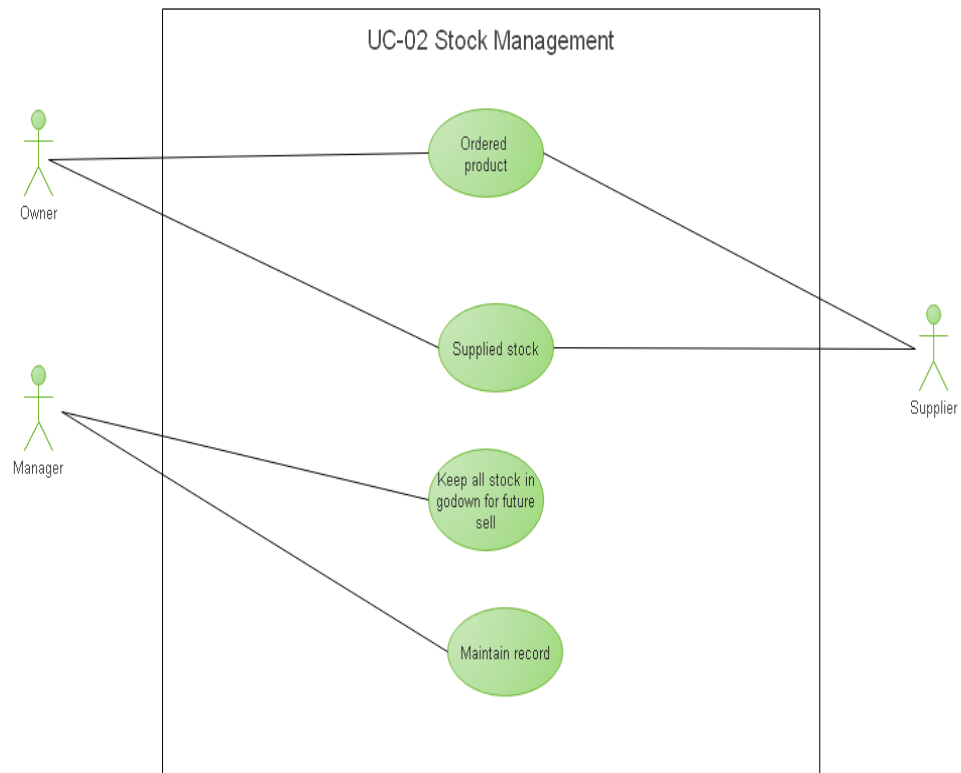
6.1 Description

- Manager will manage orderedproducts.
- Manger will manage supplied product to customer.
- Manager will arrange stock in godown for future selling purpose.
- Manager will maintain stock records.

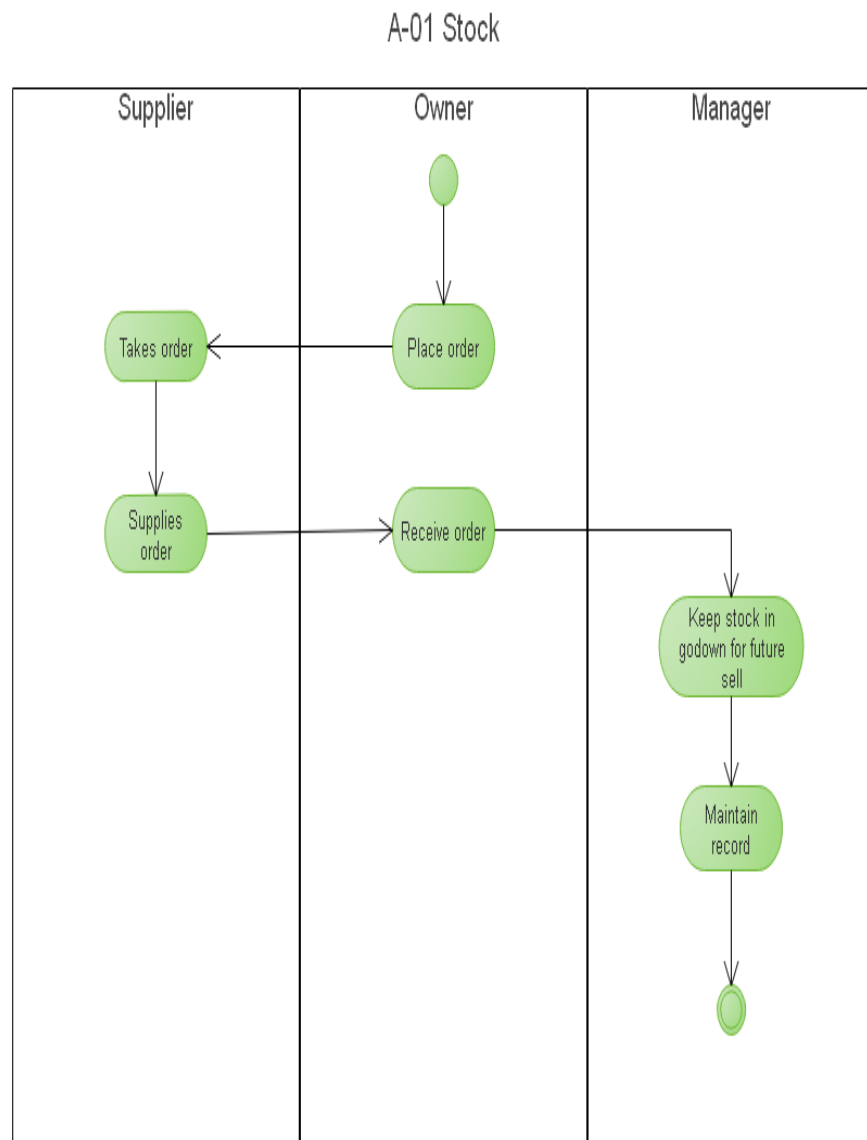
6.2 Actors

- Owner
- Manager
- Supplier

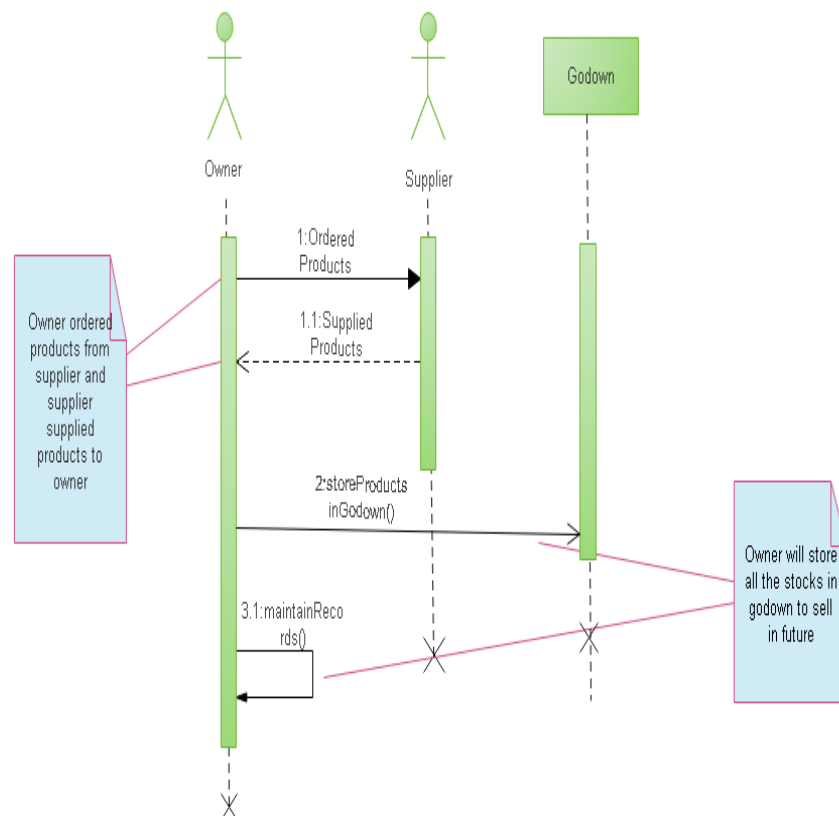
6.3 Use-case Diagram



6.4 Activity Diagram



6.5 Sequence Diagram



7) Sales Management

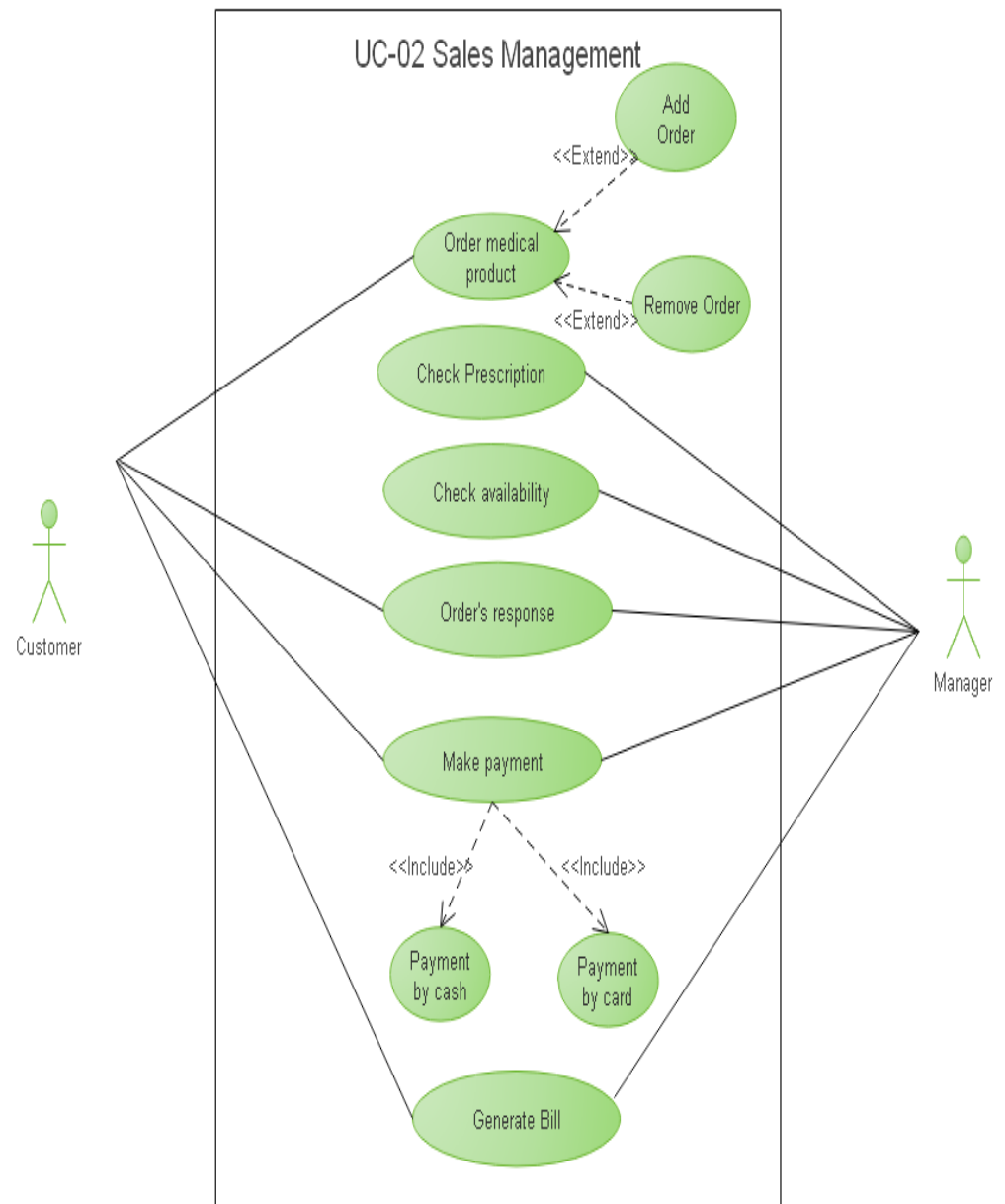
7.1 Description

- Customer will make order to Manager.
- Customer can also add or remove order from their order.
- Manager will check prescription and check availability of that order.
- Manager will give order response to customer that his order is available or not.
- Customer will make payment for order by cash or by card.
- Manager will generate bill and give it to customer.

7.2 Actors

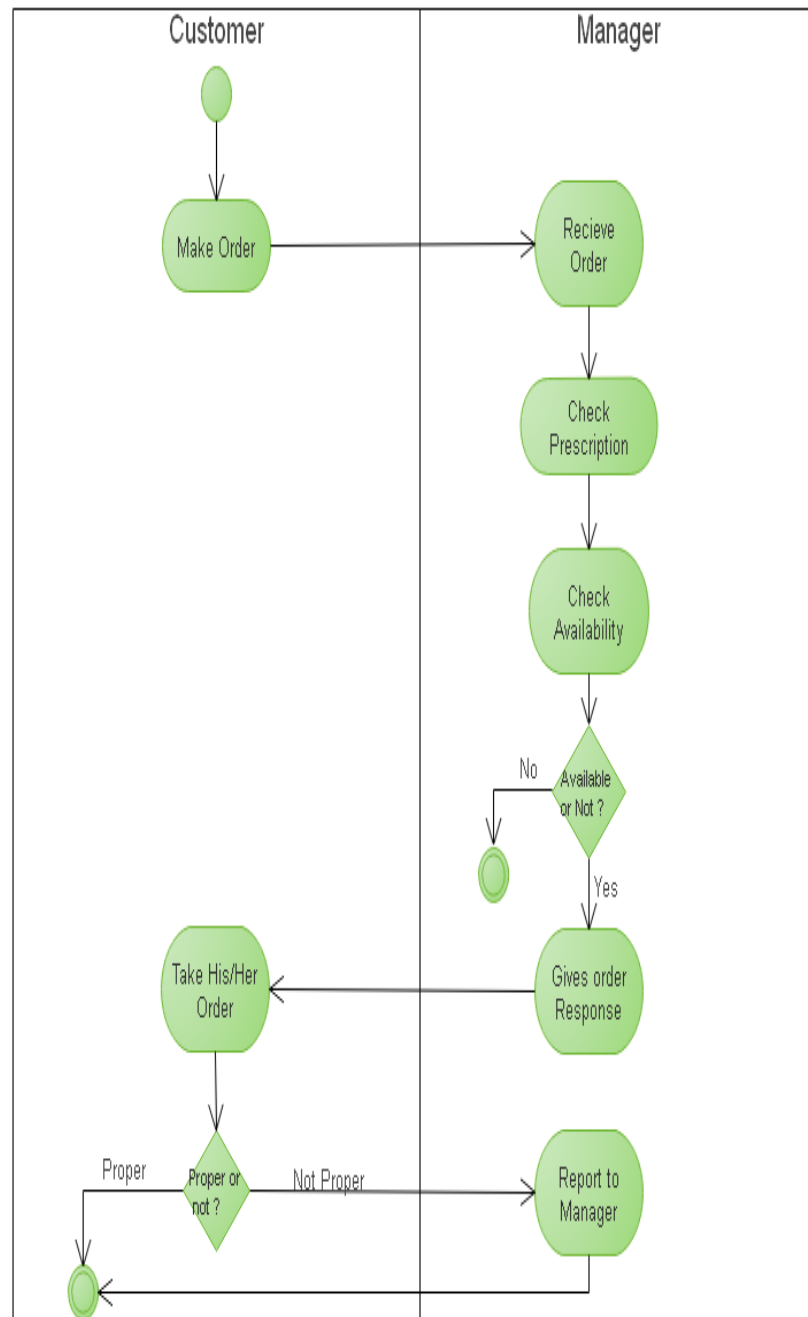
- Customer
- Manager

7.3 Use-case Diagram

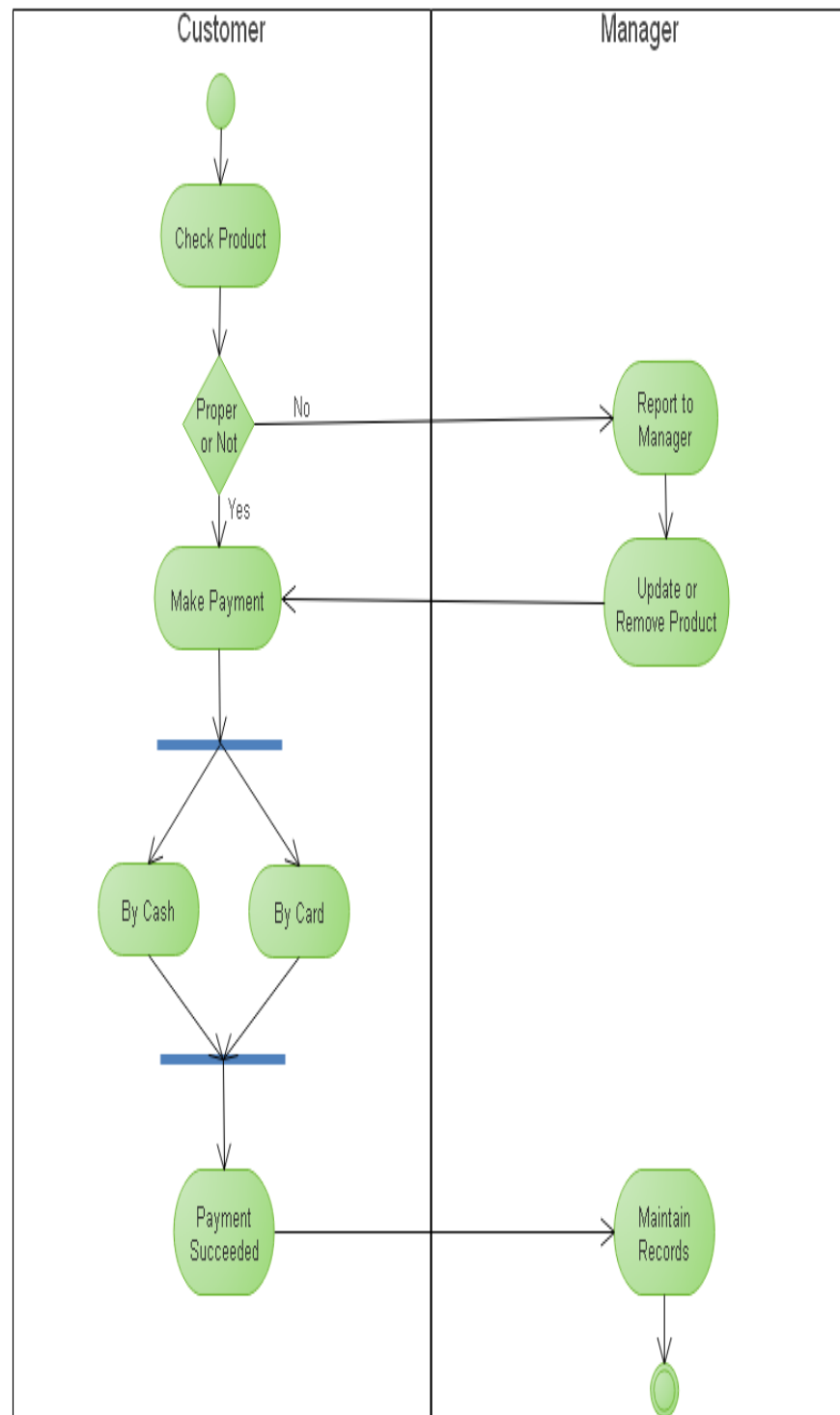


7.4 Activity Diagrams

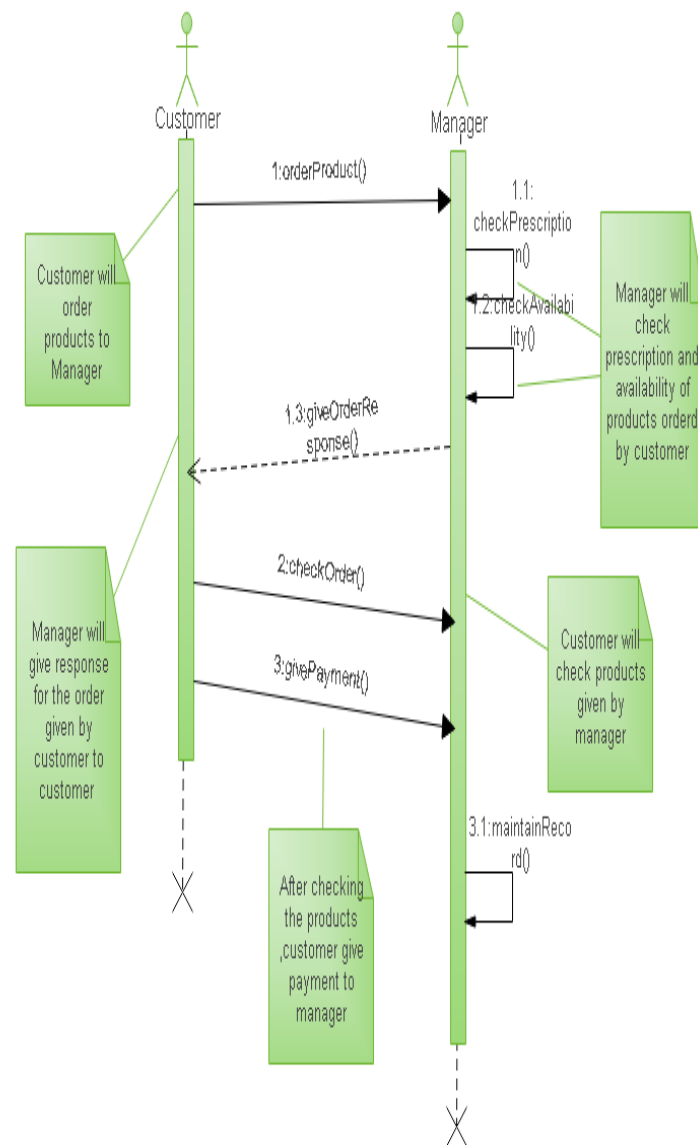
A-01 Order Product



A-02 Payment



7.5 Sequence Diagram



8) Transportation Management

8.1 Description

- Owner will give product to transporter for transportation and he/she can add or remove order.
- Transporter will load products in vehicle and check product will proper or not.
- Owner will give payment to the transporter by cash or by cheque.

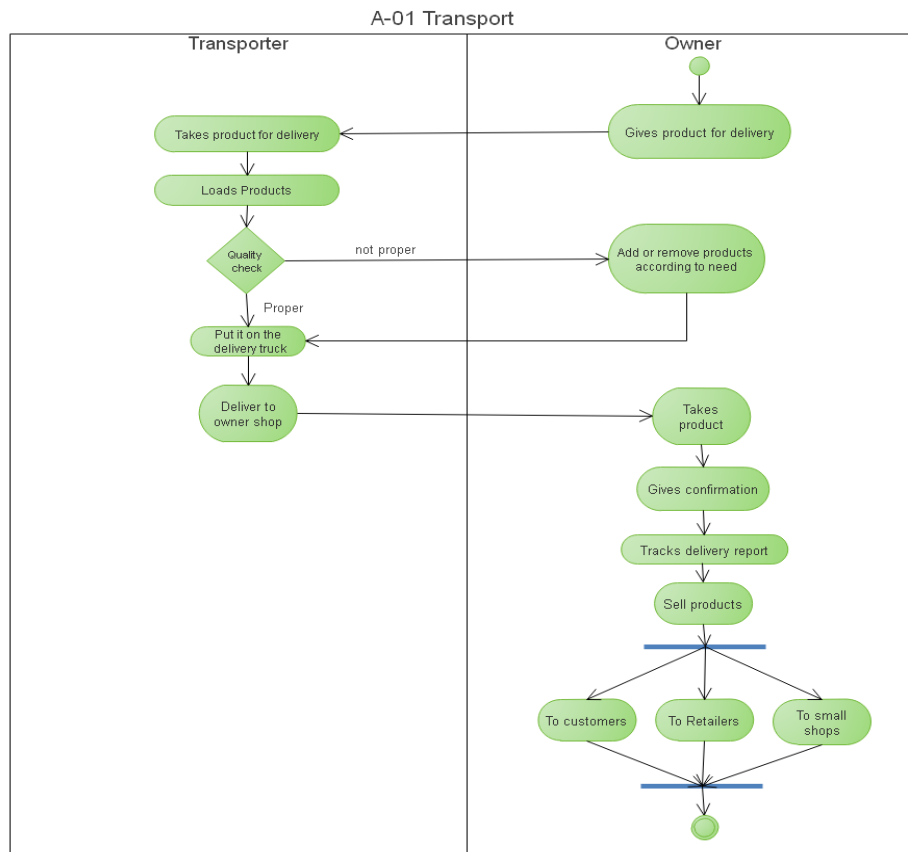
8.2Actors

- Transporter
- Owner

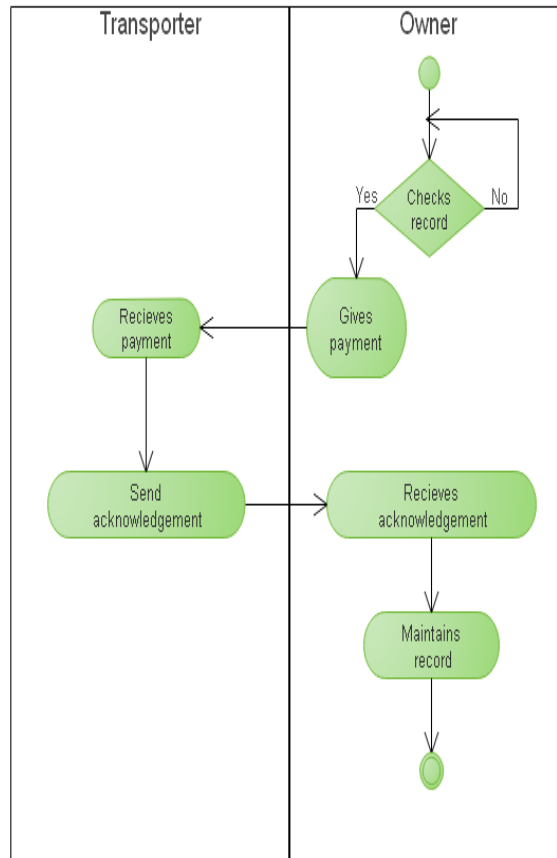
8.3 Use-case Diagram



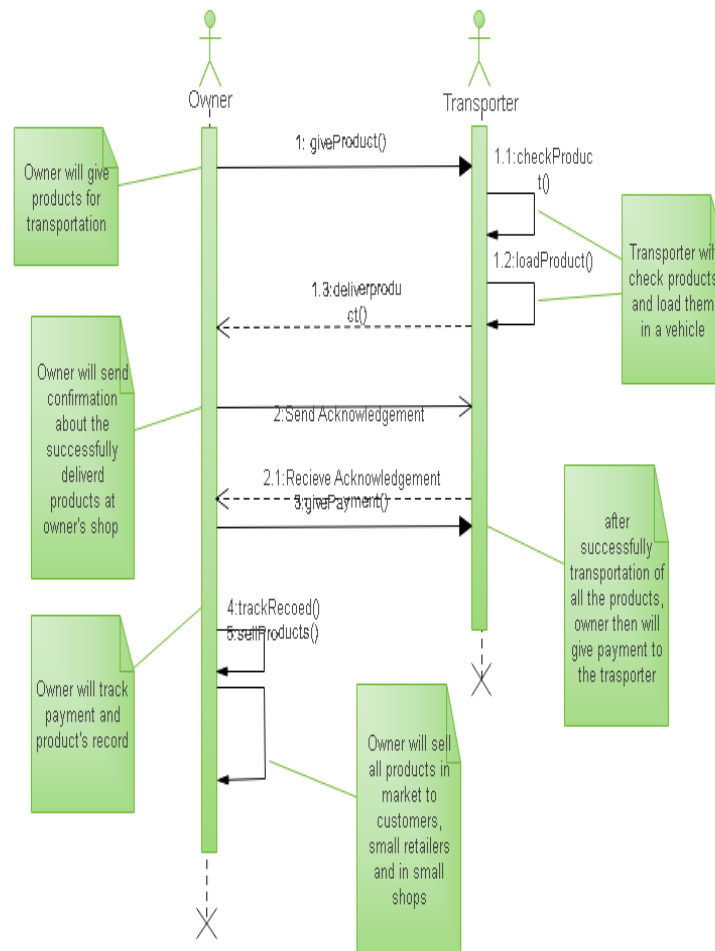
8.4 Activity Diagrams



A-02 Payment



8.5 Sequence Diagram



9)Employee Management

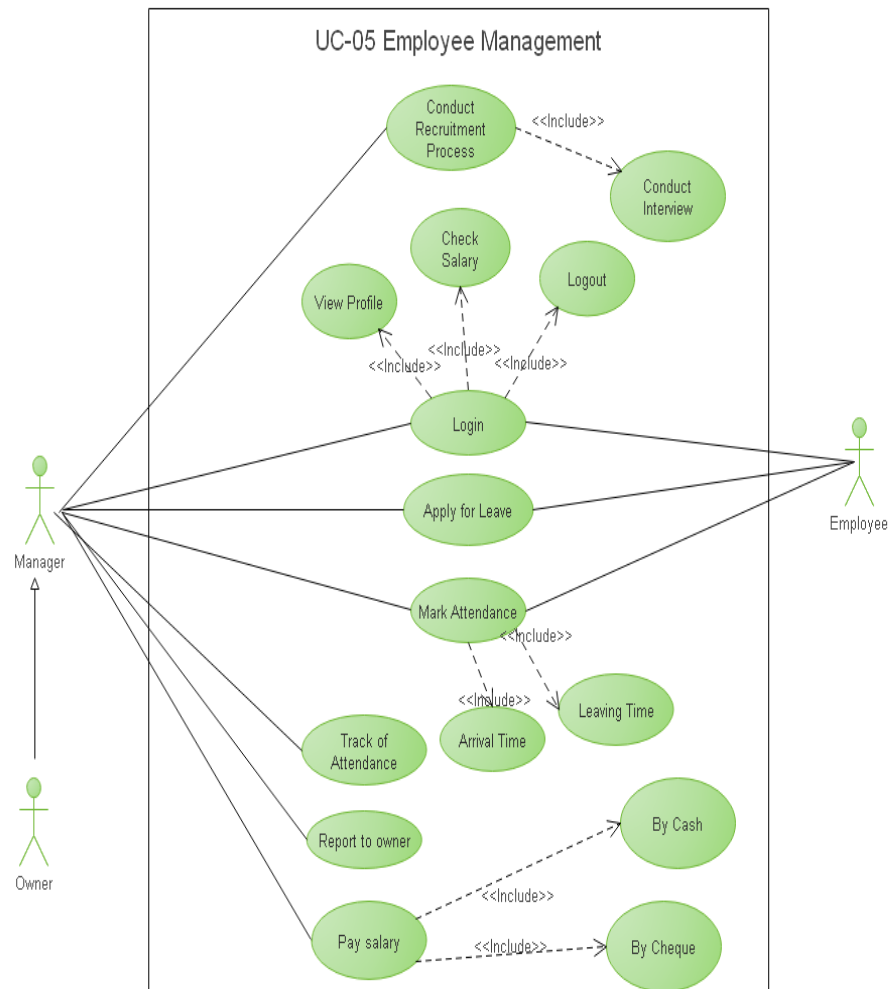
9.1 Description

- Manager will conduct recruitment process for new employee and will take interviews.
- Employee can login in the system and can view profile and check salary report of him.
- Employee will apply for leave.
- Employee must mark attendance to their arrival time and leaving time.
- Manager will track of attendance report and also salary report.
- Manager will give salary report to Owner.
- Owner will give salary to employee by cash or by cheque.

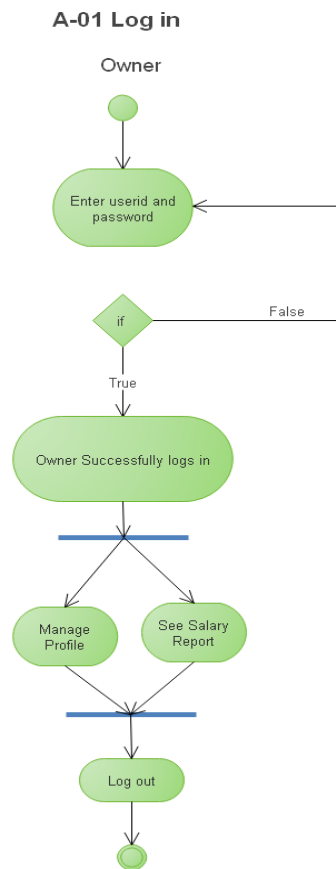
9.2 Actors

- Owner
- Manager
- Employee

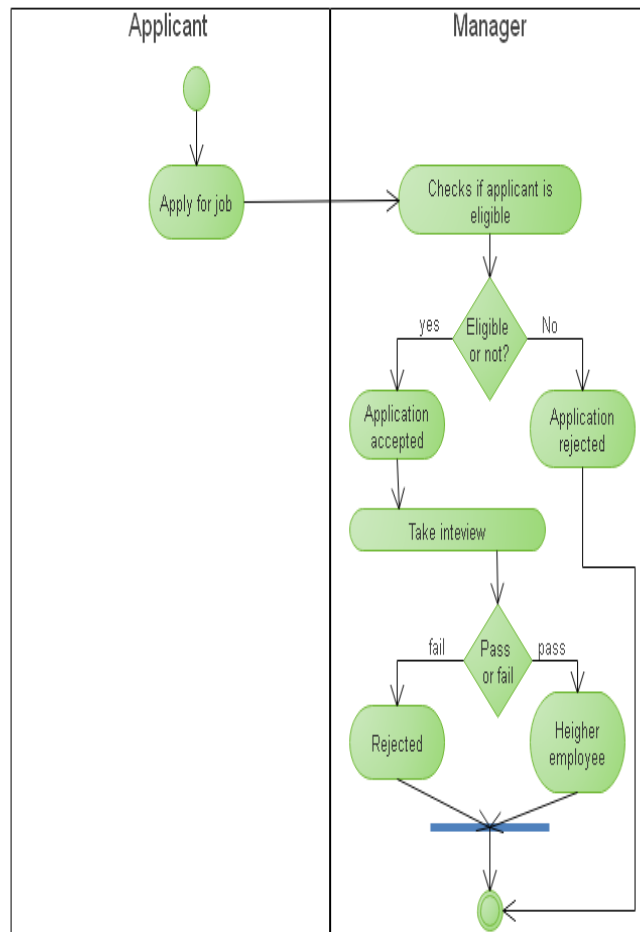
9.3 Use-case Diagram



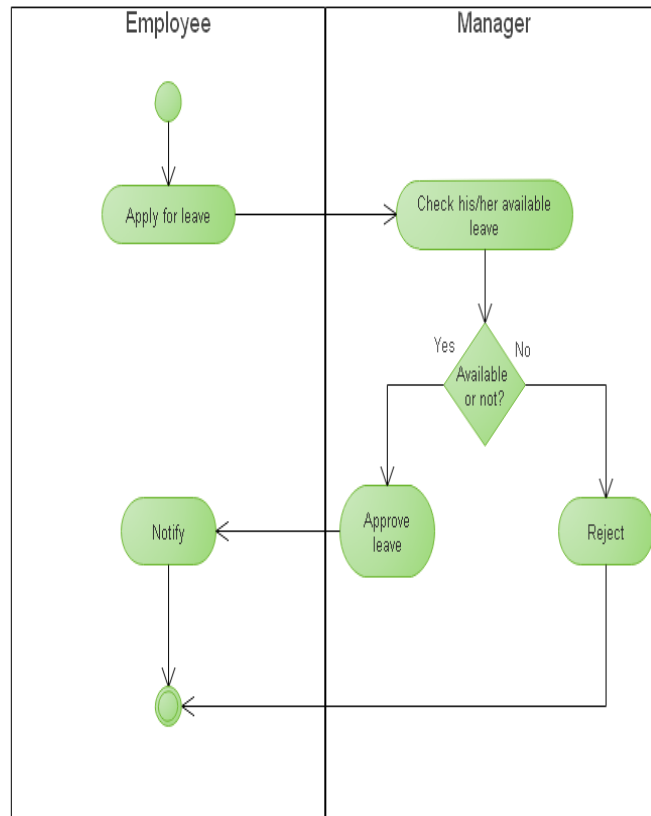
9.4 Activity Diagrams



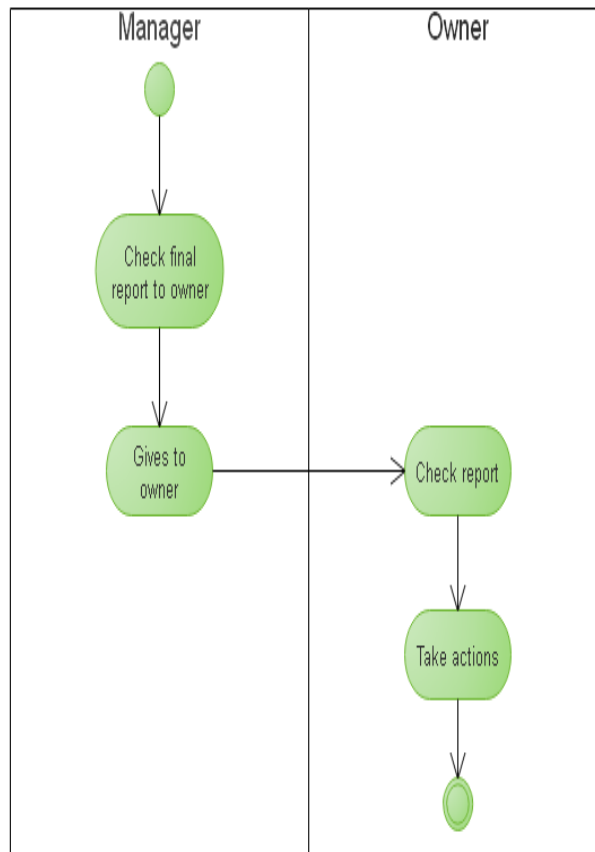
A-02 Recruitment



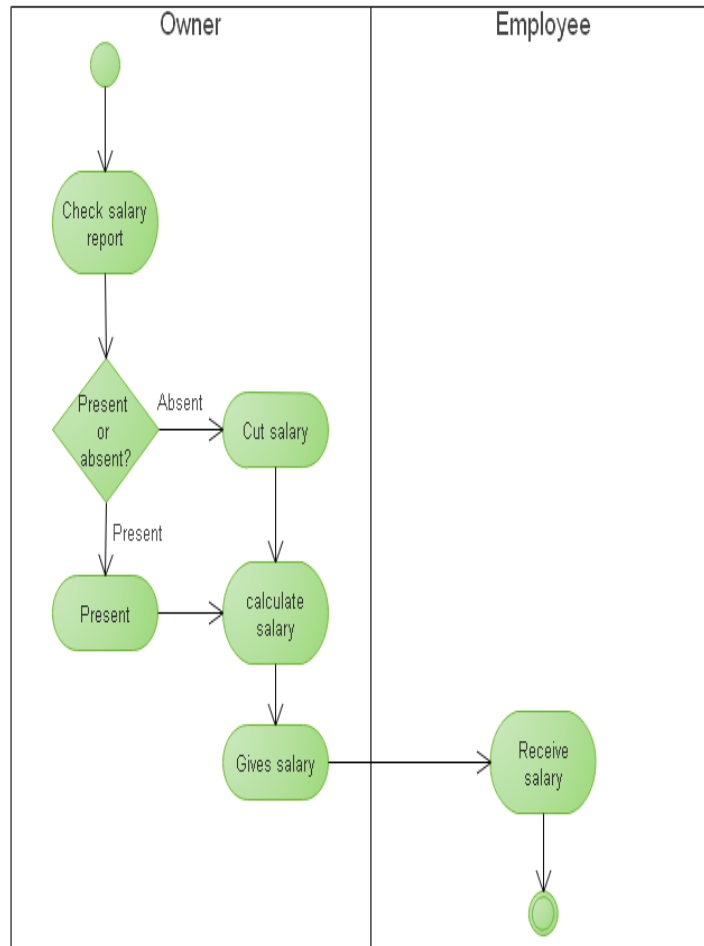
A-03 Apply for leave



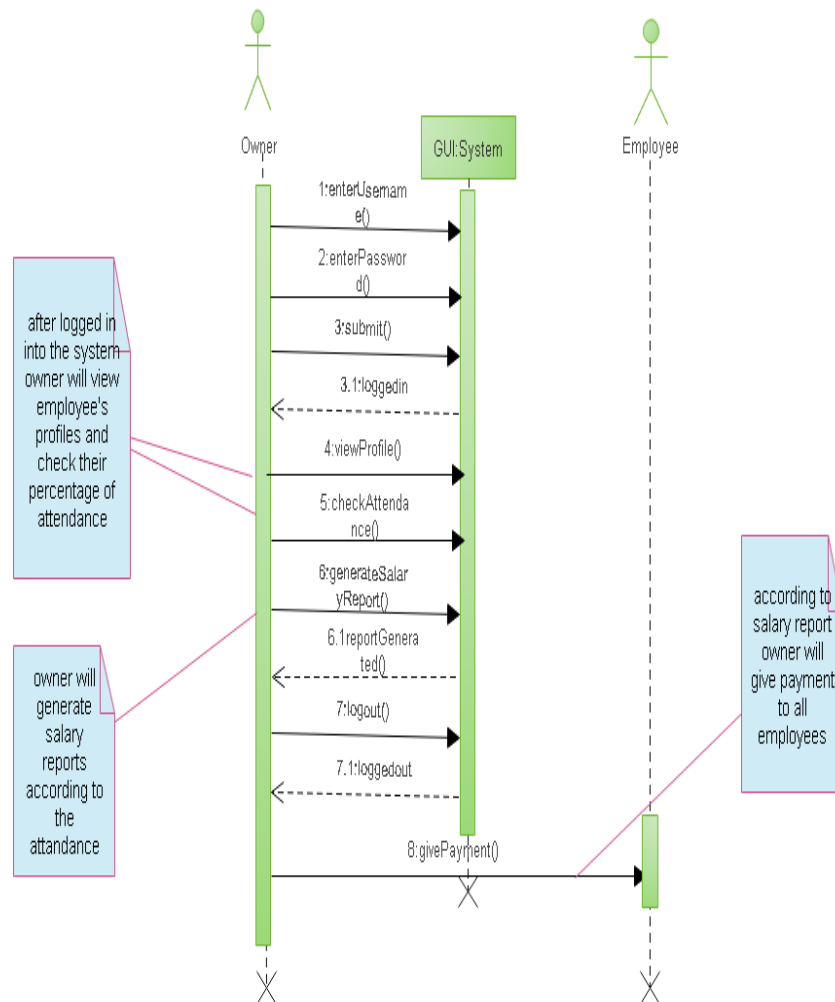
A-04 Report to Owner



A-05 Payment



9.5 Sequence Diagram



10)Accounting Management

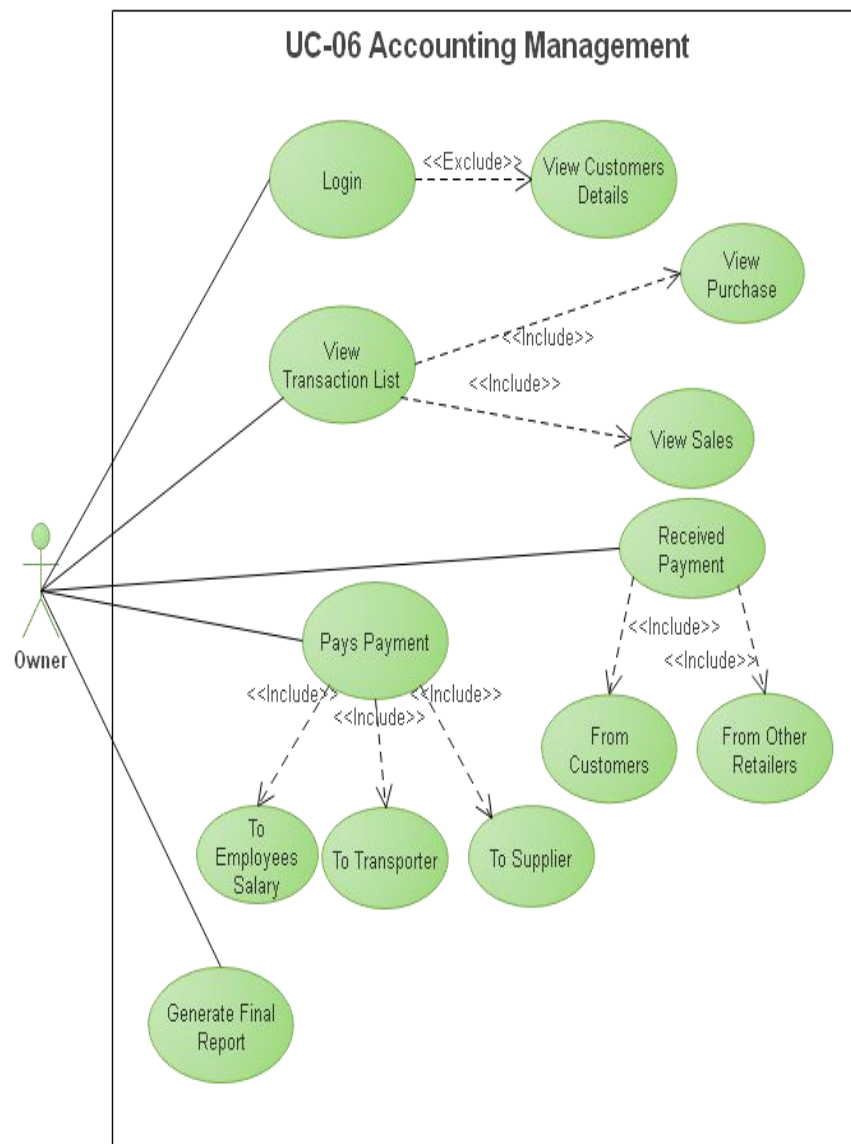
10.1 Description

- Owner will login into system and can view customer details.
- Owner will also view sales details and purchase details.
- Owner will pay payment to employee and transporter.
- Owner will receive payment from customer and retailers.
- Owner will generate final report.

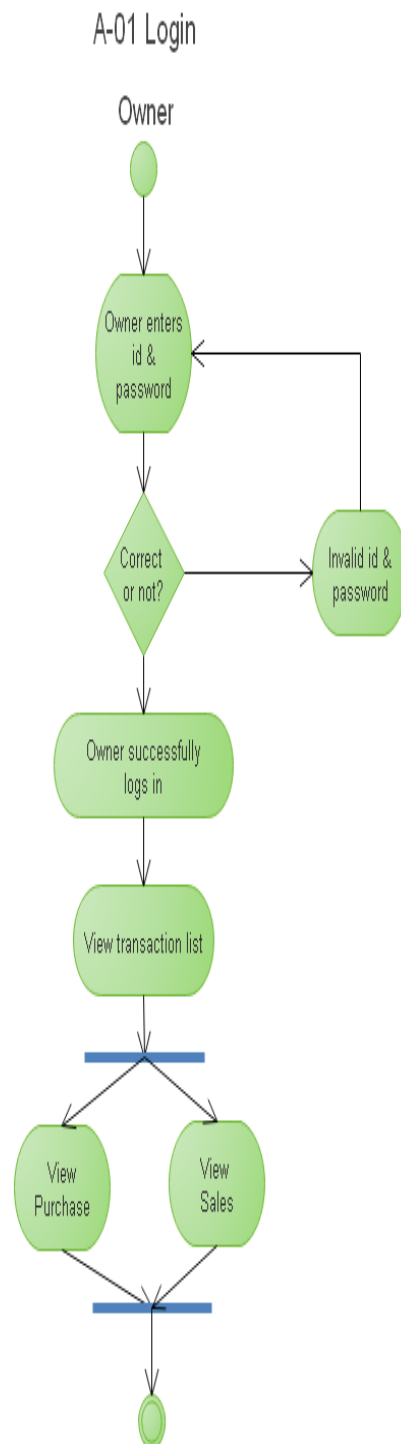
10.2 Actors

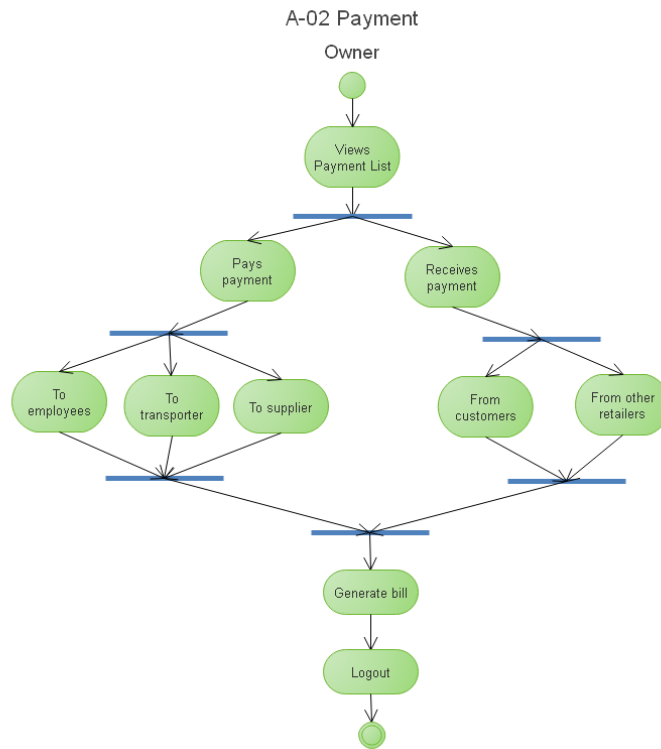
- Owner

10.3 Use-case Diagram

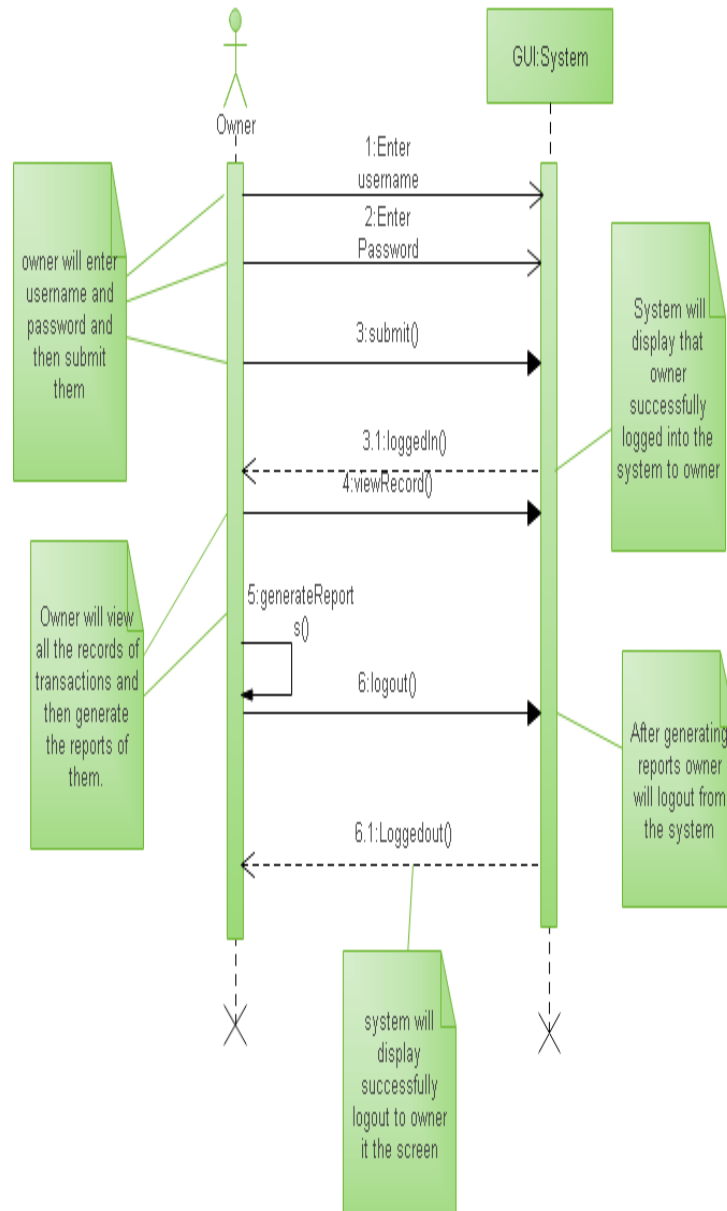


10.4 Activity Diagrams

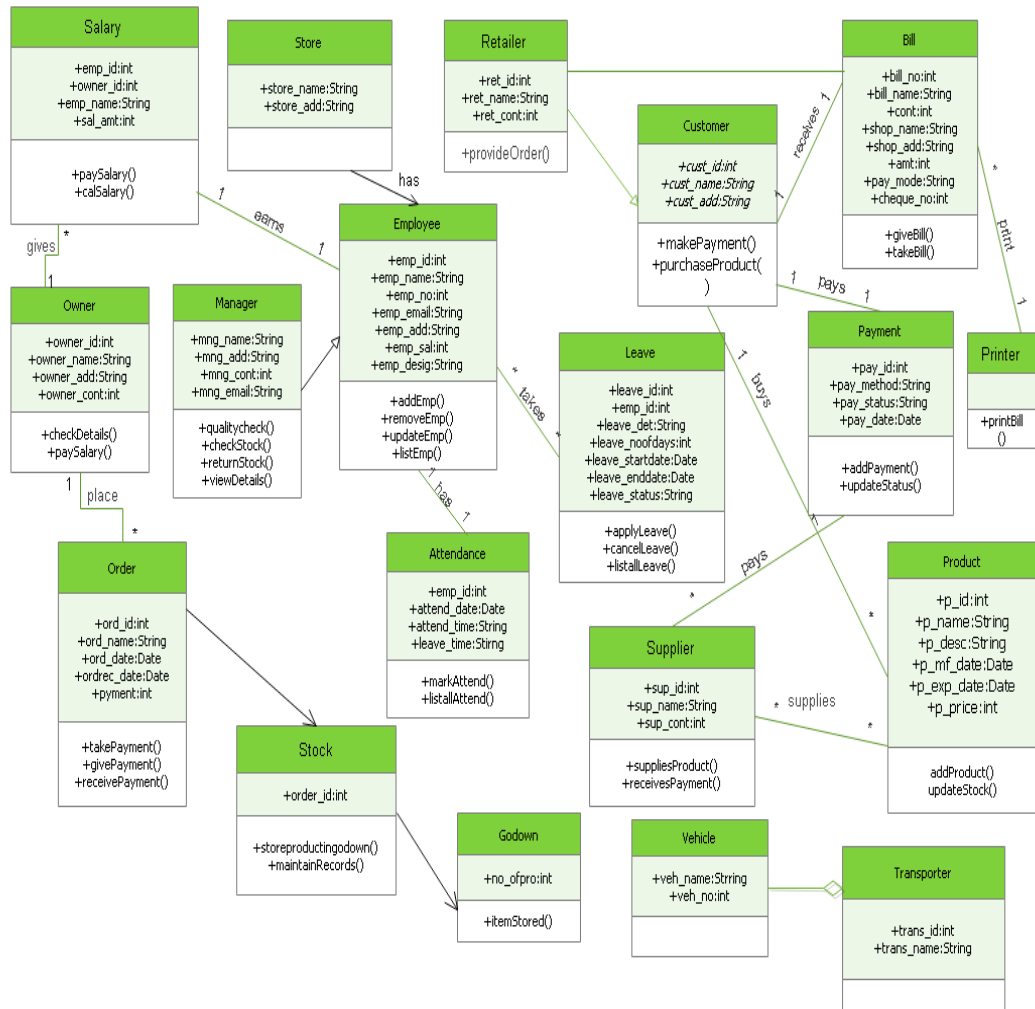




10.5 Sequence Diagram



11) Class Diagram



12)Conclusion

- ✓ We can now conclude and understand the elements and activities of the **Medical Store Management** , how its various modules are maintained , the role of persons associated with the Medical Store and the flow of activities which are carried on for the management.

13)References

- Presentations and lectures taught in college
- Wikipedia for definitions.
- Various websites such as:
 - www.tutorialspoint.com
 - www.smartdraw.com
 - www.searchmicroservices.techtarget.com