COFFEE SHOP MANAGEMENT

A Project Report

Submitted in partial fulfillment of the

Requirements for the award of the Degree of

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

By

Miss.Shejal Satish Diwale

Seat no:

Under the esteemed guidance of

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DNYANDEEP COLLEGE OF SCIENCE AND COMMERCE

(Affiliated to University of Mumbai) **KHED**

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MAHARASHTRA

2019-20

PROFORMA FOR THE APPROVAL
PROJECT PROPOSAL

PNR No.: RollNo:

1. Name of the Student: Miss. Shejal Satish Diwale

2.Title of the Project : Coffee shop management

3.Name of the Guide :- Mrs. Vaishali Nithin Rane.

4.Teaching experience of the Guide :- 05 years

5. Is this your first submission? Yes ☑ No ☐

Signature of the Student Signature of the Guide

Date: …… Date:……..

Signature of the Coordinator

Date:…….

DNYANDEEP COLLEGE OF SCIENCE AND COMMERCE

(Affiliated to University of Mumbai)
MORVANDE BORAJ MAHARASHTRA, 415709

DEPARTMENT OF INFORMATION TECHNOLOGY

CERTIFICATE

This is to certify that the project entitled, **"Coffee Shop Management",** is bonafied work of **Miss. Shejal Satish Diwale** bearing **Seat.No:** submitted in partial fulfillment of the requirements for the award of degree of **BACHELOR OF SCIENCE** in **INFORMATION TECHNOLOGY** from University of Mumbai**.**

Internal Guide **Coordinator**

External Examiner

Date:

College Seal

ABSTRACT

Coffee Shop Management System is based on a concept to maintain orders and management of a particular coffee shop.

The aim of the coffee management is to create communication between rural area people and coffee management.

This project automate the process of manually maintaining the records related to transaction flows, user details, payment details. It is very needy for Coffee Shops. This project helps the owners of Coffee Shops to maintain day to day transactions in computer.

This project deals with management of the coffee it deals the purchase and sale of coffee.

ACKNOWLEDGEMENT

It's my great pleasure to take this opportunity and sincerely thanks all those, who have showed me the way to successful project and helped me a lot during the completion of my project.

I greatly thank my Project Guide **Mrs. Vaishali Nitin Rane** without whom the completion of this project couldn't have been possible.

I take this opportunity to express my deep gratitude towards all the members of the Information Tech. Department, for helping me in the completion of the project.

My sincere thanks to respect Principal **Dr. Umeshkumar Murlidhar Bagal** and Head of Information Tech. Department **Miss. Dhanashri B .Ambare** for providing all the facilities including availability of Computer Lab.

I am greatly thanks teaching & Nonteaching staff of Information Technology dept. of Dnyandeep College of Science and Commerce Morvande, Boraj.

Finally, I am thank to my all Friends for their encouragement & support throughout the period of completion.

DECLARATION

I here by declare that the project entitled, **"Coffee Shop Management "** done at **Dnyandeep College of Science and Commerce** has not been in any case duplicated to submit to any other university for the award of any degree. To the best of my knowledge other than me, no one has submitted to any other university.

The project is done in partial fulfillment of the requirements for the award of degree of **BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)** to be submitted as final semester project as part of our curriculum.

Miss. Shejal Satish Diwale.

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INTRODUCTION

The Coffee Shop Management is based on a concept to maintain orders and management of a particular coffee shop. The administrator can handle the data and update information of the coffees . The Coffee Shop Management System is a web based project. The Aim of Coffee Shop Management is communication between rural area people and coffee shop management.

1.1Background:-

The System "Coffee Shop Management" is an automated system. Coffee Shop Management is a web based project. In this system Admin can handle data. In this System admin can handle data.

The Customer can suggest the admin(distributor) to make any change in coffees.The administrator can add, update ,delete any information about the system.

1.2Objective:-

- To develop a web based system that will help to manage the coffees information about the coffees.
- It takes the suggestion from the user.
- This system is helpful for rural area people.
- It take less processing time.
- To provide the fresh coffee and healthy product to the people.

1.3Purpose and Scope:-

1.3.1 Purpose:

- To handle records easily by saving time and cost.
- It is a automated process.
- The main purpose is to provide a fresh coffee.
- Using this system the coffee products give earning.

1.3.2 Scope:-

The Coffee Shop management help to manage and run the Cafe shop systematically. In this management system we will provide that can be used by café employee to take order.So that owner of shop can evaluate the whole system. Employee can take payment which will manage into the software.The administrator can handle all record like employee ,product ,customer ,order and bill.

1.3.3Applicability:-

- This system is user friendly.
- It provide high security.
- It is flexible to user as compare to previous system.
- It contain all operation like delete ,view ,add.
- This system is transparent/clear to user as compare to previous system.
- This project is helpful for farmer for their earning and rural area people.

System Analysis

2.1Existing system:-

- It was very tedious.
- Slow data processing.
- Not user friendly.
- No more order for the product and benefits are less.

2.2 Fact Finding Requirement:-

1] What operations do you want to perform on the coffee shop Management?

- ✓ Update
- ✓ Delete
- ✓ Insert
- ✓ View

2] Did you want to link your website with social media?

- ✓ No

3] Did you need to take High security for your system?

- ✓ Yes

4] What is your cost budget for developing system your website?

- ✓ 60,000

5] You want to give any notification in your website?

- ✓ Yes

6] Did you need to show all Coffee Shop information in your website?

- ✓ No

7] Do you want to get any suggestion from the user?

- ✓ Yes

8] Is it your opening the Coffee Shop Management is helpful for customer?

- ✓ Yes

9] Did you need to take feedback from customer?

- ✓ Yes

10] Did you want Graphical Representation in your Website?

- ✓ No

11] How do you want to generate your bill?

- ✓ Cash on delivery

2.3Proposed System:-

- This system is user friendly.
- It provide high security.
- It contain all operation like add, update, delete, view etc.
- It is an automated system.
- This system is helps to place order for coffees.

2.4 Requirement Analysis:-

By doing fact finding technique in my project i.e Coffee Shop Management . I gather Information For my project according to requirement of my client, where client can handle these system easily. It provide high security . Coffee Shop Management is automated system this is using customer are easily order coffees at any time.

2.5 Hardware Requirements:-

- ❖ Processor : Intel Pentium core i5
- ❖ Hard Disk:4 GB
- ❖ RAM:1TB

2.6 Software Requirement:

- ❖ Design Constraint:
  - Operating System:- windows 10
  - Front End:- Microsoft .net framework with Microsoft visual studio 2015
  - Back End:- SQL Server 2012
  - Language:- English ❖ Requirement User:
  - Operating system:- Any Operating System
  - Browser:- Any Browser, jdk file
  - Back End:- SQL Server

2.7 Feasibility Study:-

A Feasibility study is performed by a company when they want to know whether a project is possible given certain circumstance. There are three types of feasibility study are:

- Technical Feasibility
- Time Feasibility
- Operational Feasibility

1] Technical Feasibility:-

- The technical feasibility in the proposed system deals with technology used in the system. It deals with the Hardware and Software used in the system whether they are of latest technology or not.

- Technical feasibility study is the complete of the project in term of input, output, program and its language etc….

- In this project I am using language which are commonly use to all of us i.e English

- The whole project is made in Microsoft visual studio 2015.

- I am using this technology because it is easy to understand.

- In this project I am using .Net technology at the front end and sql server at the back end also c# programming language in used for coding.

2] Time Feasibility:-

-Time feasibility means in simple words are completed the project before the given time period.

- On this system time given is one year which is divided into two parts.

- Ensure to coffee drink on time and fastly.

3] Operational Feasibility:-

-Operation feasibility refers to the measure of saving problems with the help of new proposed system.

-This software is user friendly and does not require any technically person to operate.

-The requirement of user/admin I have developed this website.

-On this system all coffees are available because only admin can handle or update, Delete date at any time.

-User can see only website and view the product an order product quantity and provide own suggestion.

-also designed and interface which is easy to use and user/admin can access this website.

-User can only see coffees and its quantity which is helps to view, Insert operation we can also use this project.

2.8Methodology:-

2.8.1 Spiral model

- Spiral model is an combination of a iterative nature of prototyping and systematic aspects of traditional water full model.
- The spiral model has four phases: Planning, Risk, Engineering and Evaluation.
- This model is best used for large project.
- This model the same activities are the repeated for all the spirals till the entire software is build.

1. Planning phase-

- Requirements are gathered during the planning phase.
- Requirements like business requirement specification and system requirement specification.

2.Risk Analysis:-

- Risk analysis include identifying, estimate and monitoring the technical feasibility and management risk.

3.Engineering phase:-

- Actual development and testing the software take place in this phase.

4.Evaluation phase:-

- Customers evaluate the software and provide their feedback.

Diagram of Spiral Model:

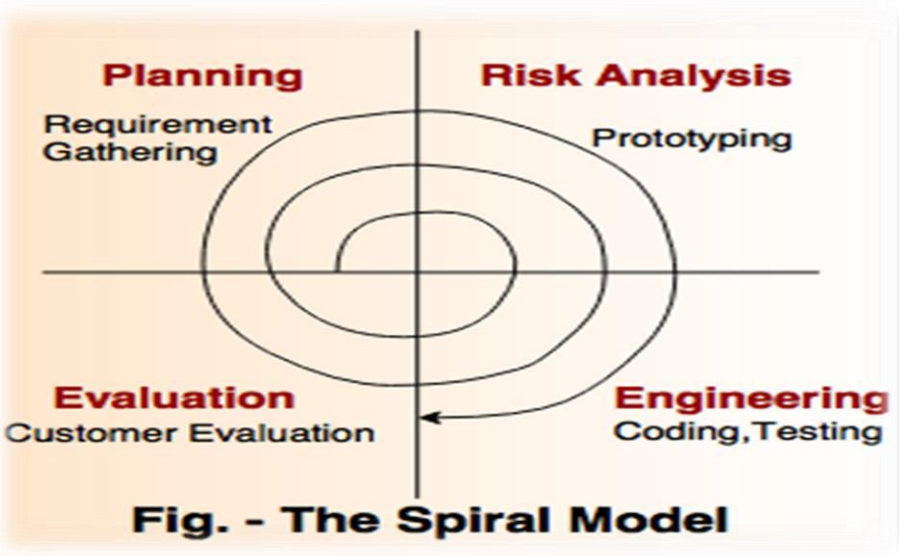


Fig. - The Spiral Model

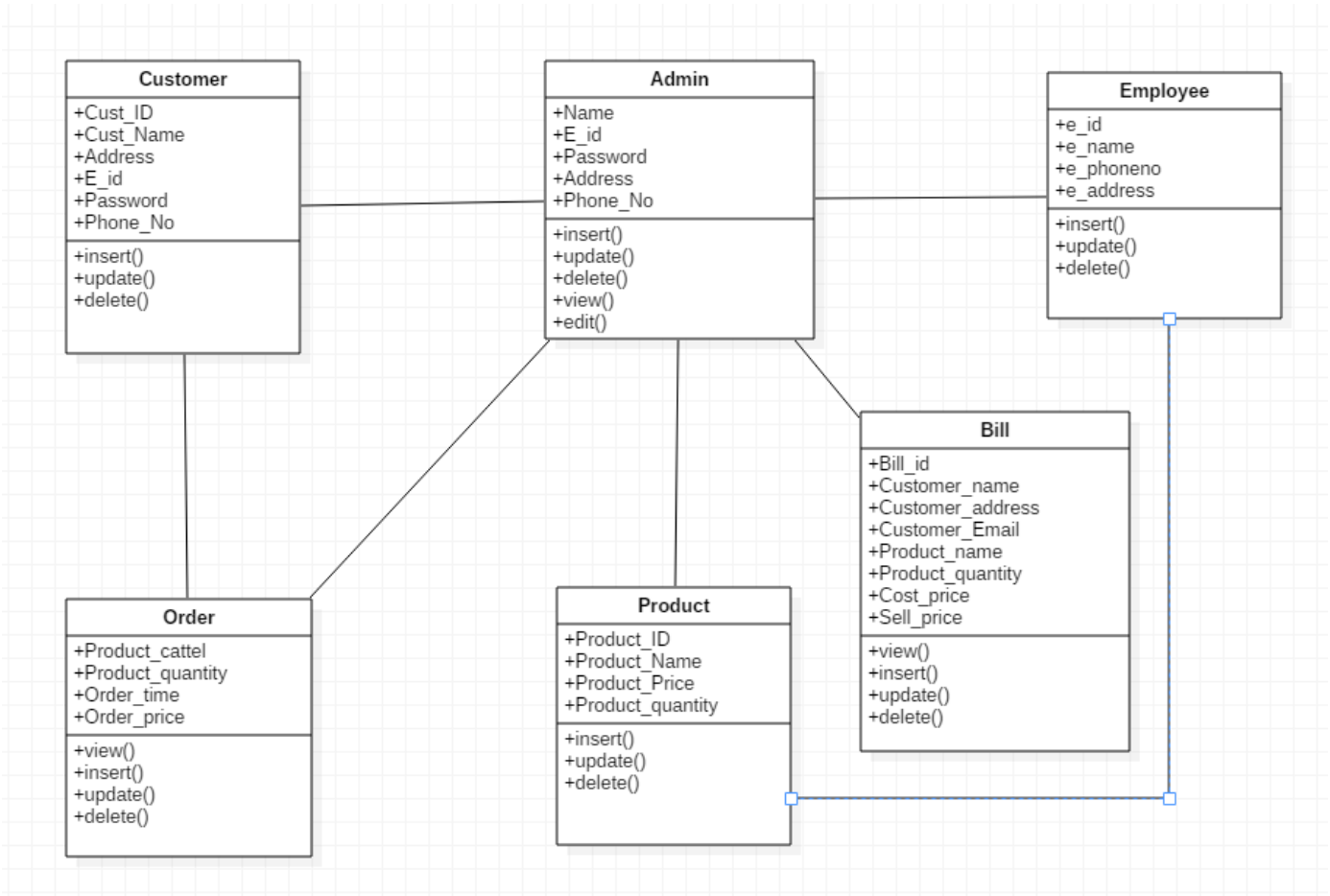
How this Model use in my project:-

1) Development is fast.
2) Software requires significant changes.
3) Risk analysis is proper.
4) User see the system early.

System Design

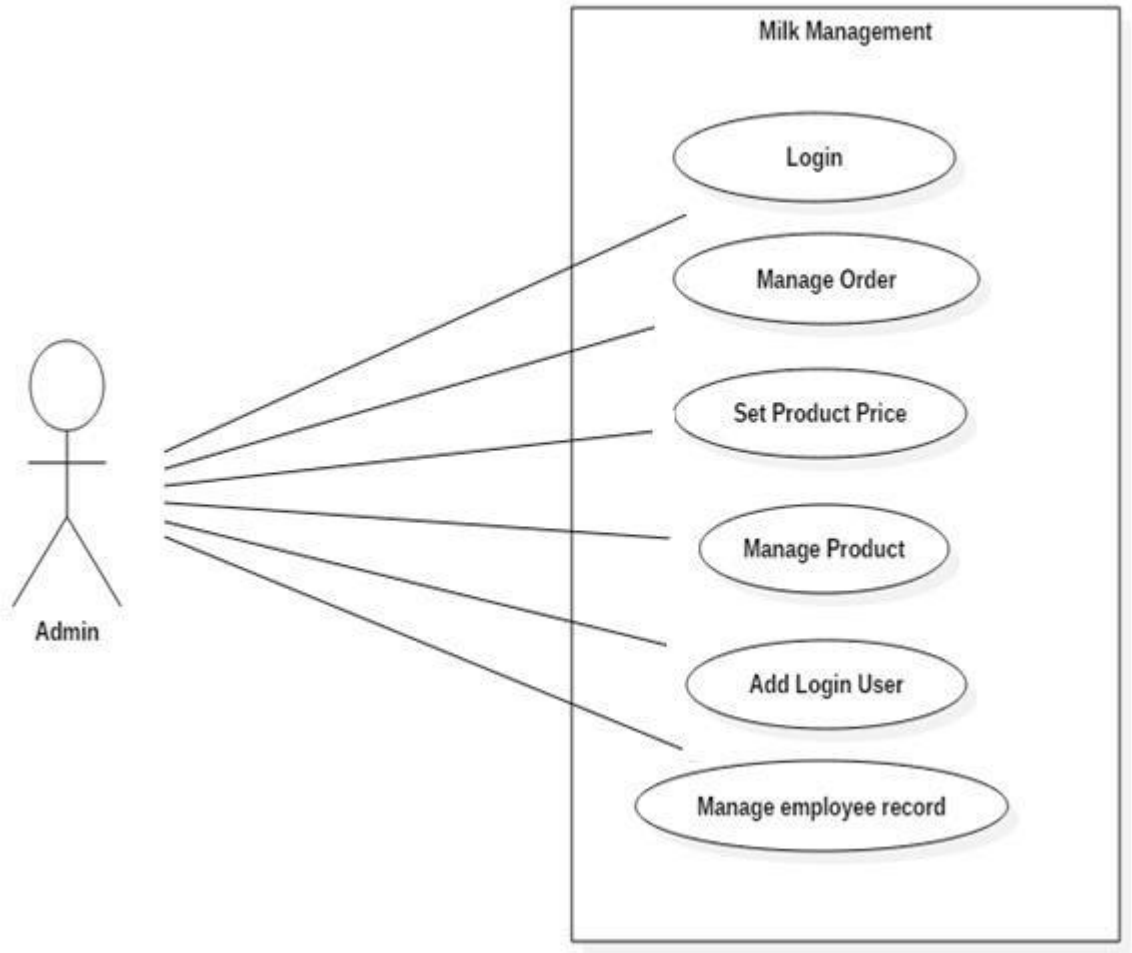
3.1 MODULE DIVISION:-

3.1.1 Class Diagram:-

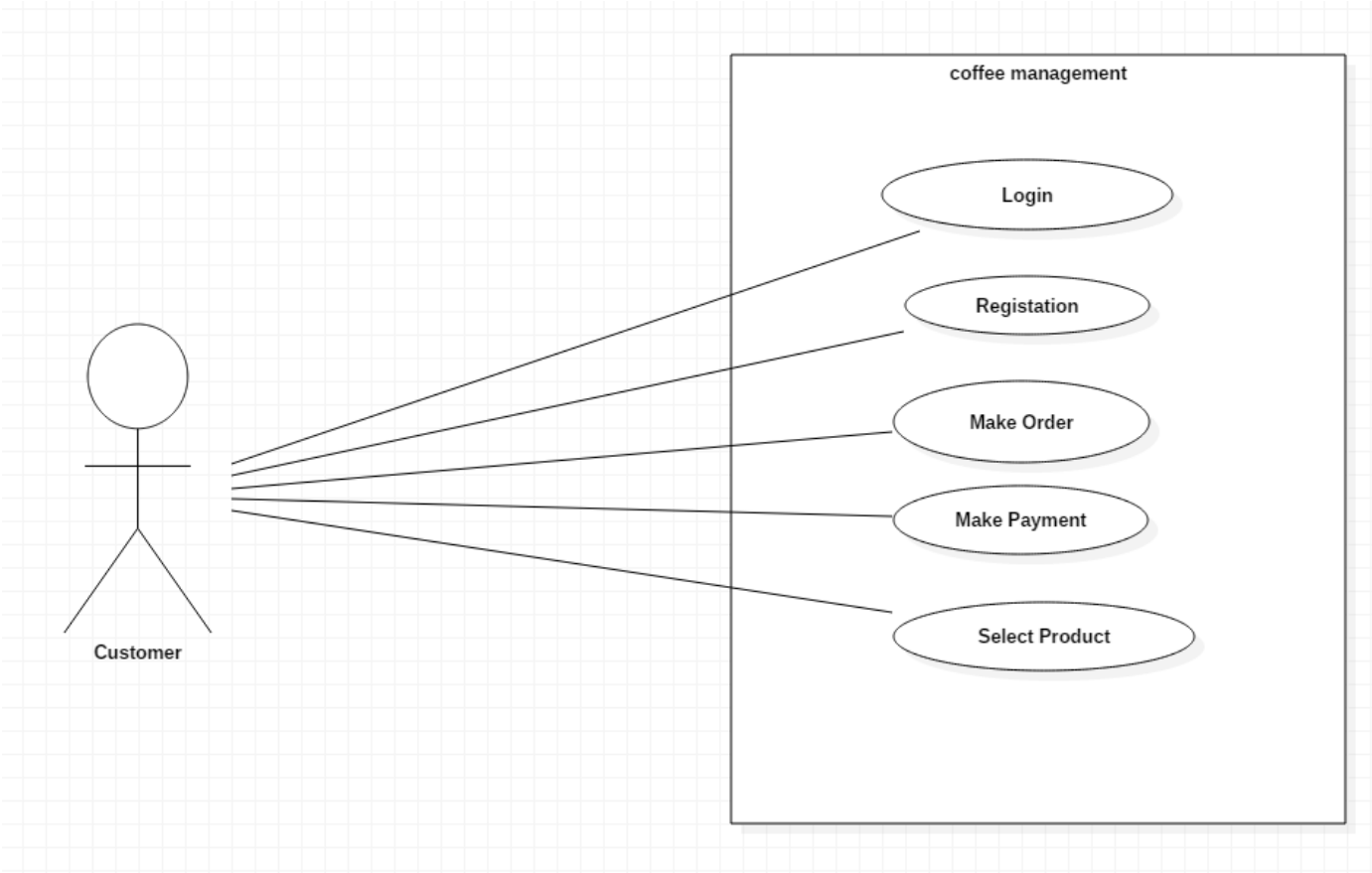


3.1.2 Usecase Diagram:-

3.1.2.1Usecase diagram for admin:

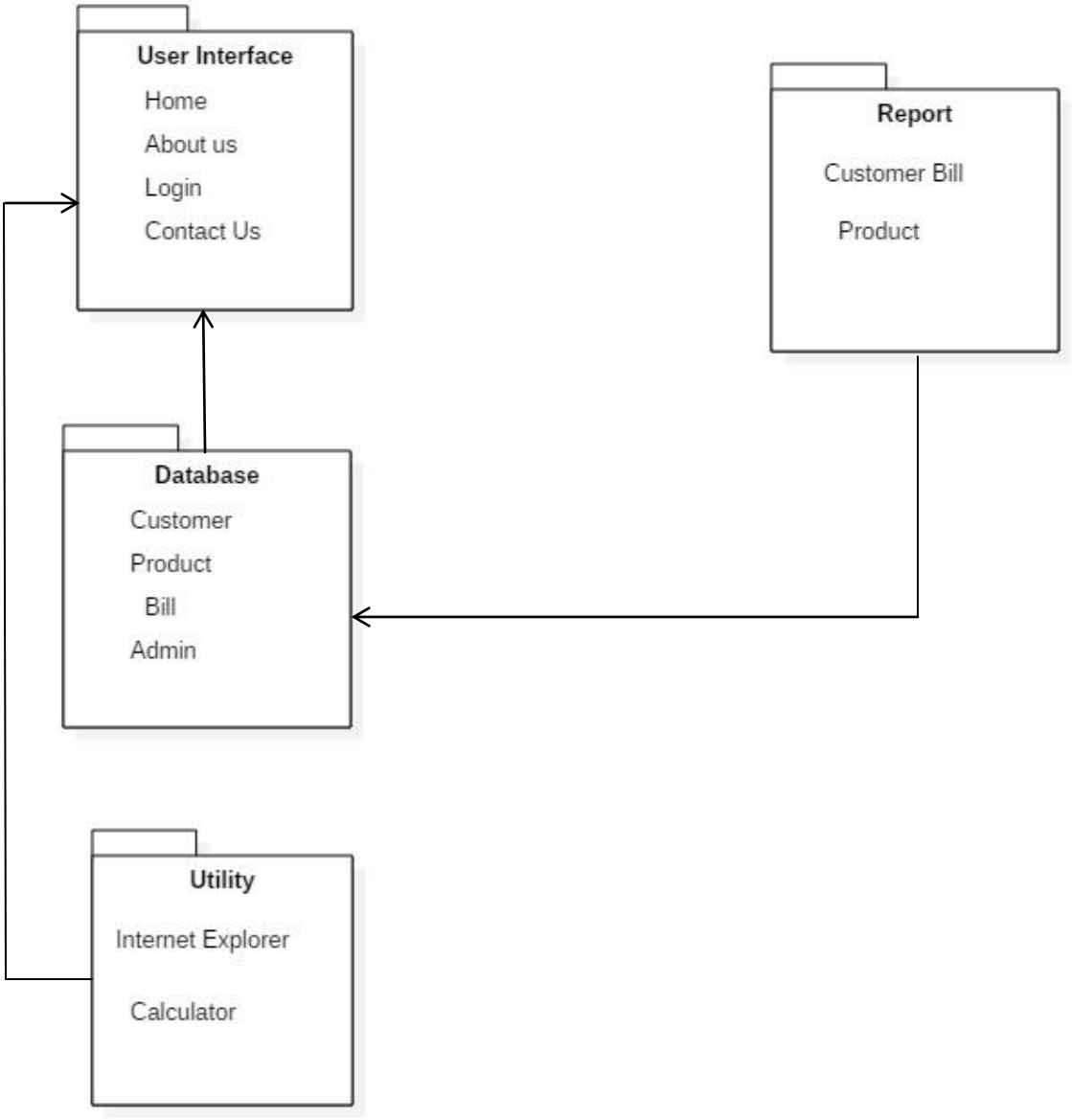


3.1.2.2 Usecase diagram for customer:

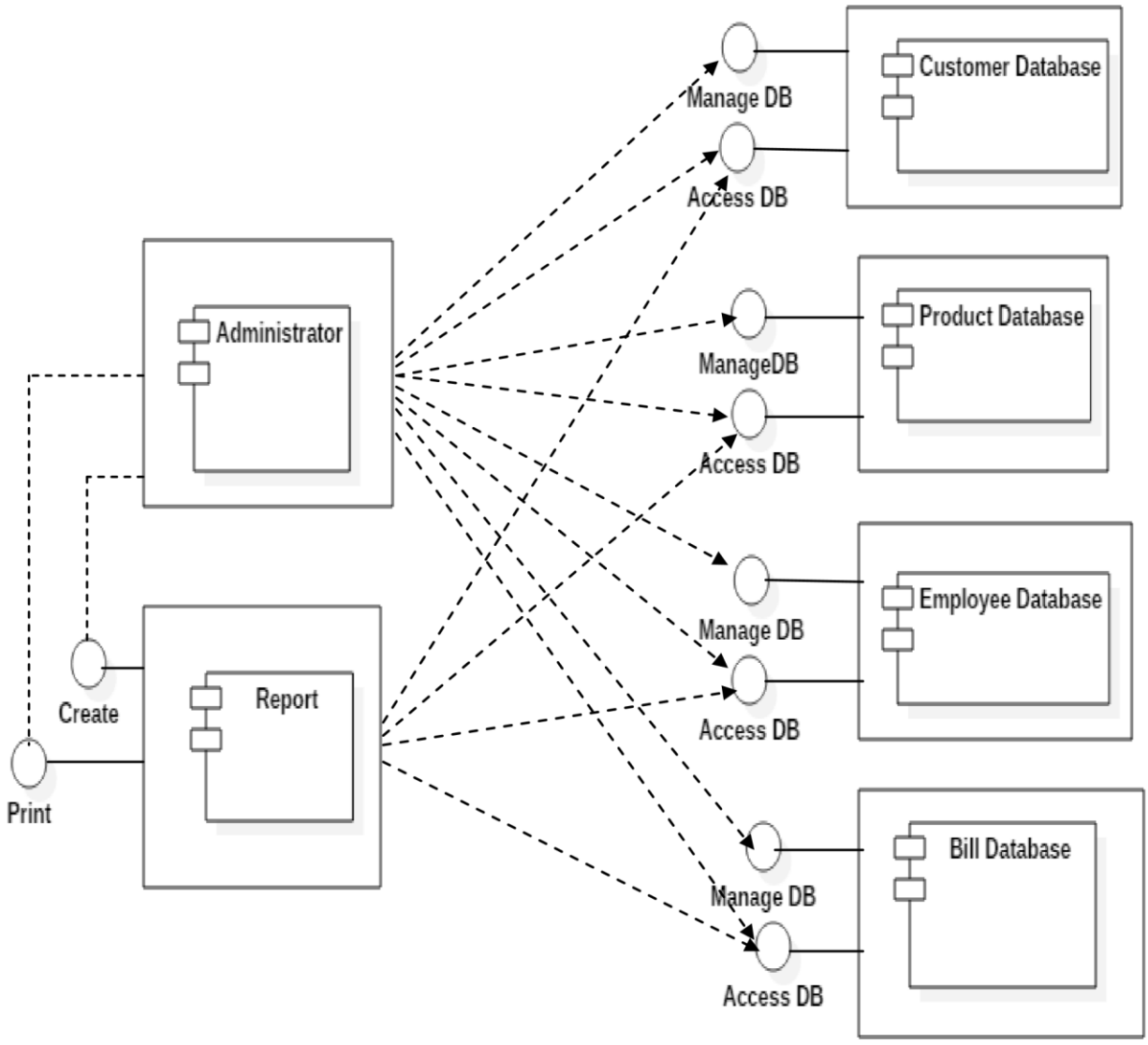


3.2 DATA DICTIONARY:-

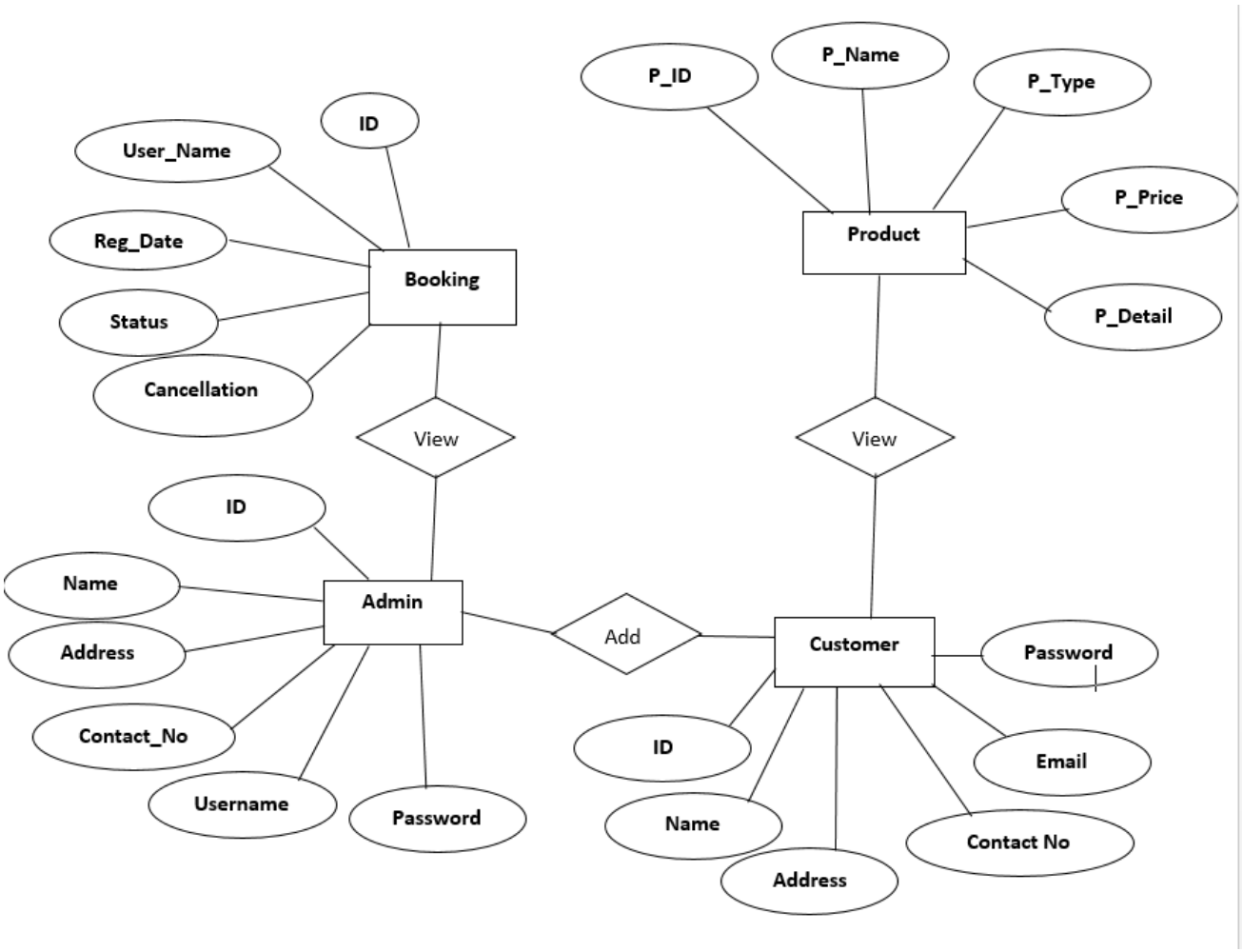
3.2.1 Package diagram:-



3. 2.2Component diagram:



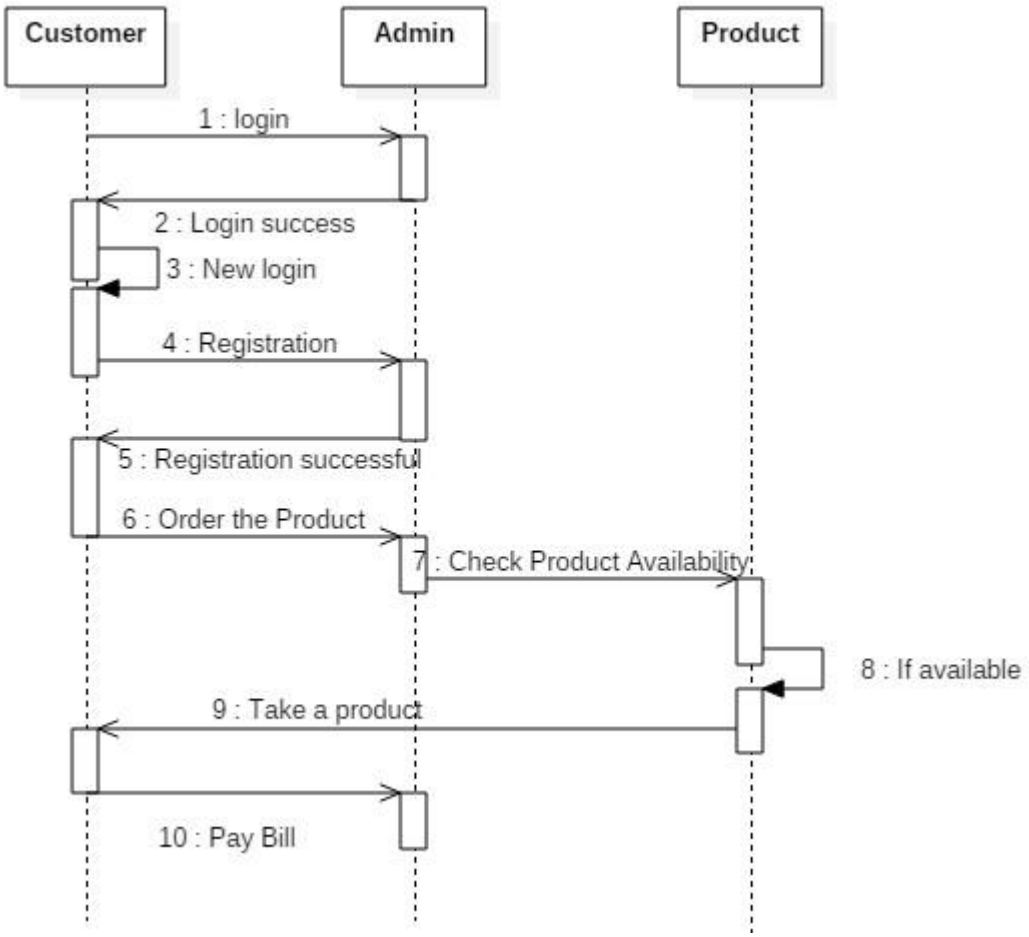
3.3 ER diagram:



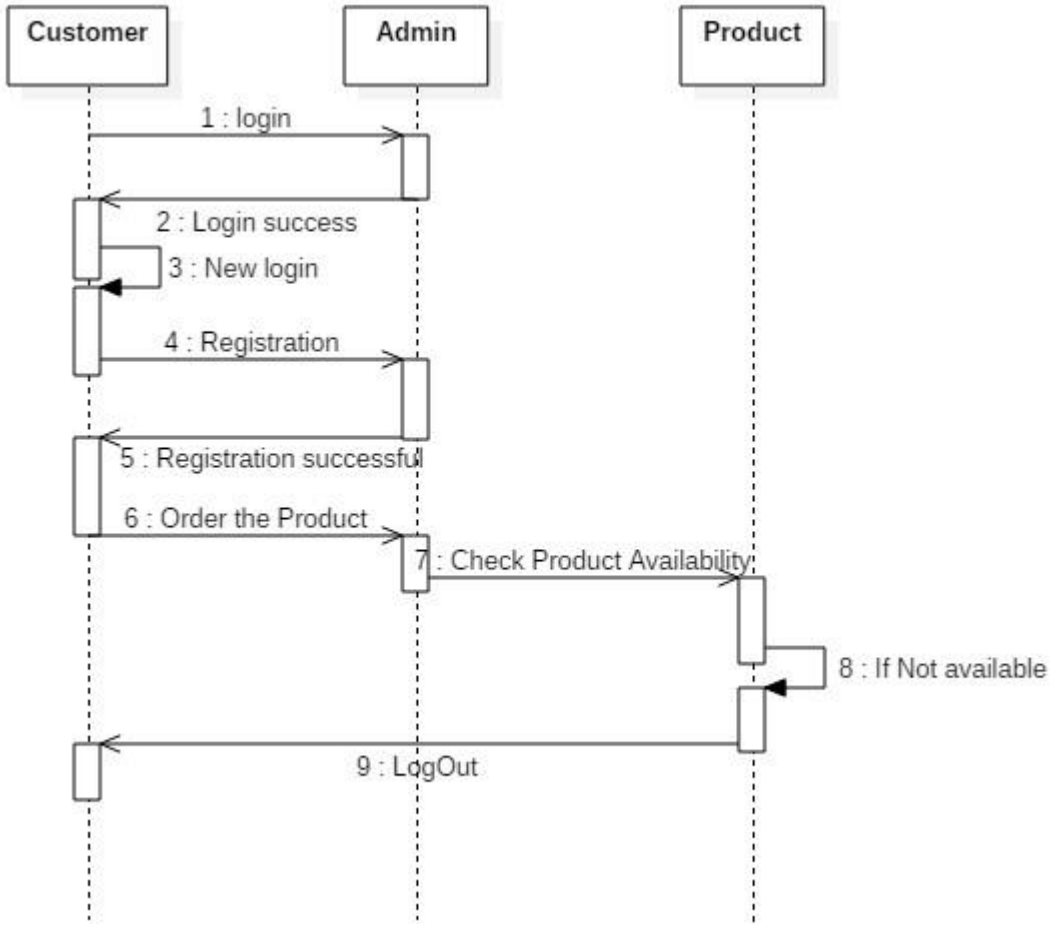
3.4 : DATA FLOW DIAGRAMS /

UML:- 3.4.1Sequence diagram

3.4.1.1Availability:

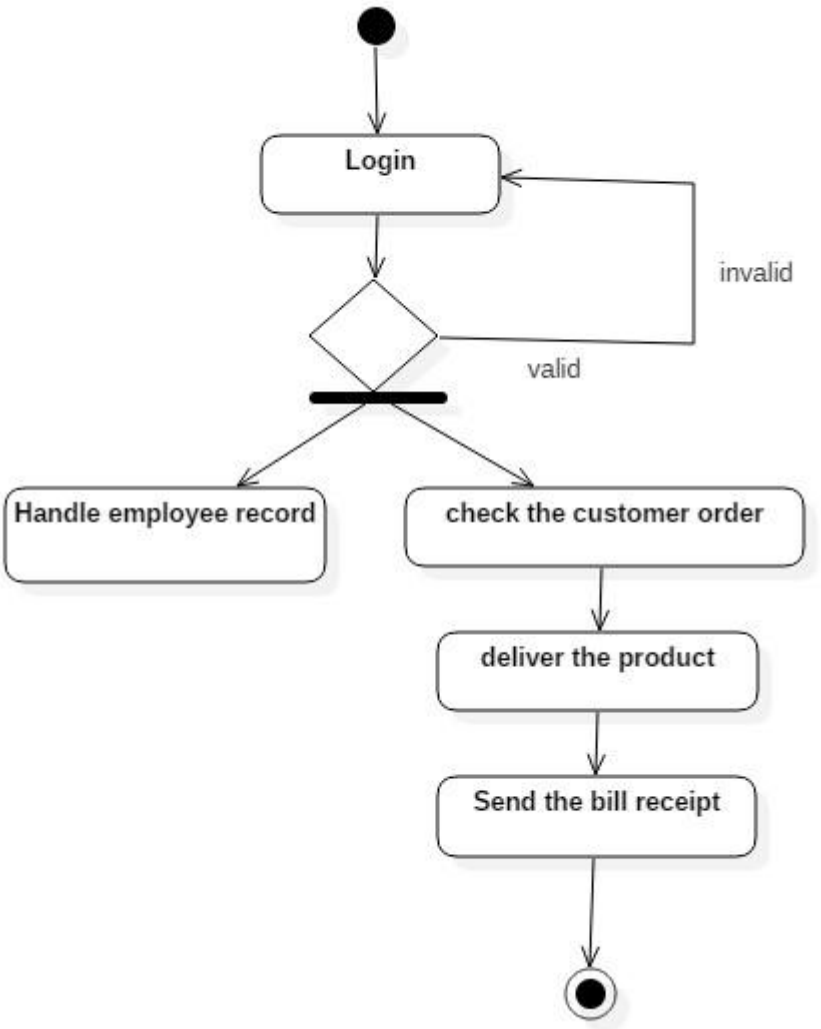


3.4.1.2Not available:

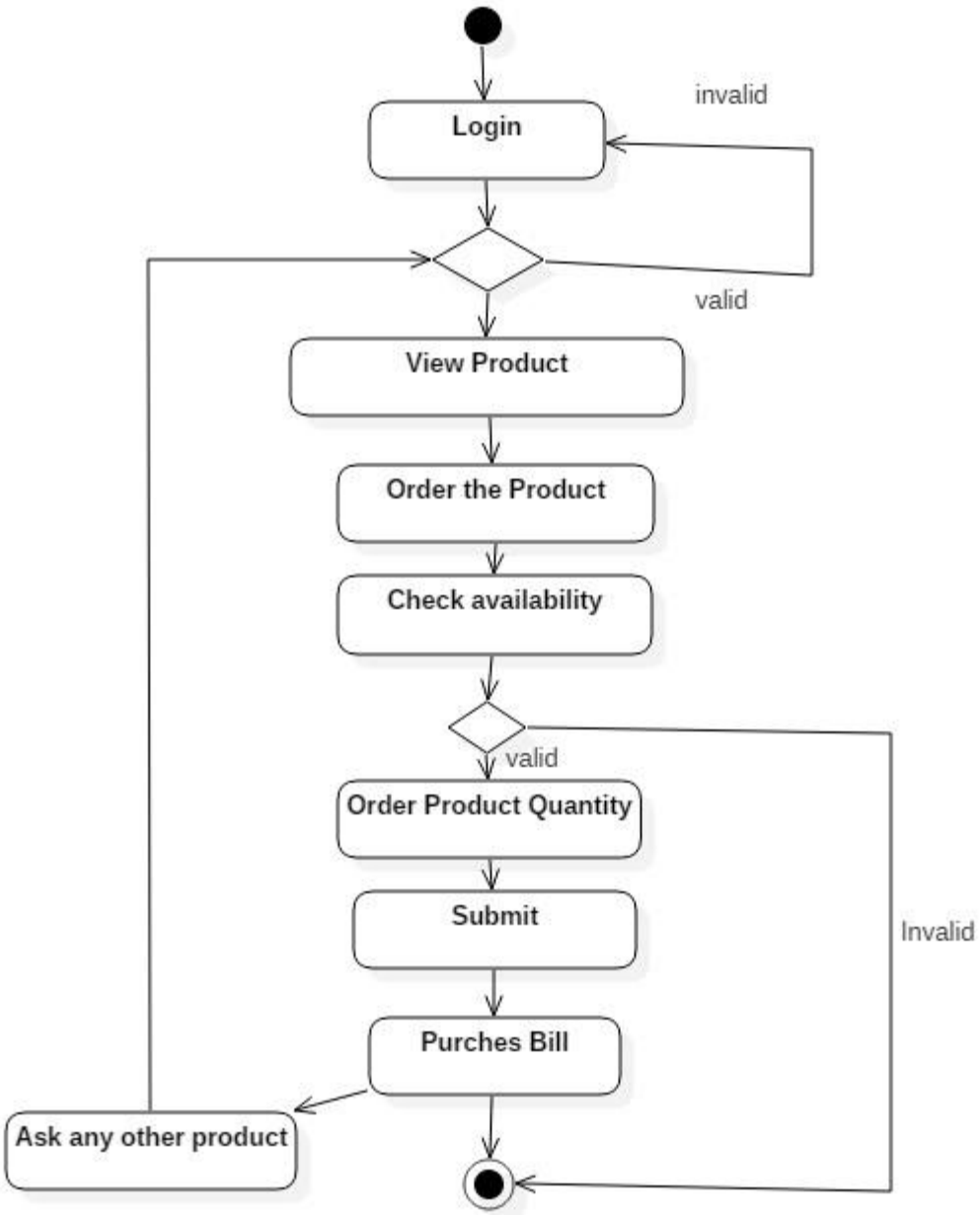


3.4.2Statechart diagram

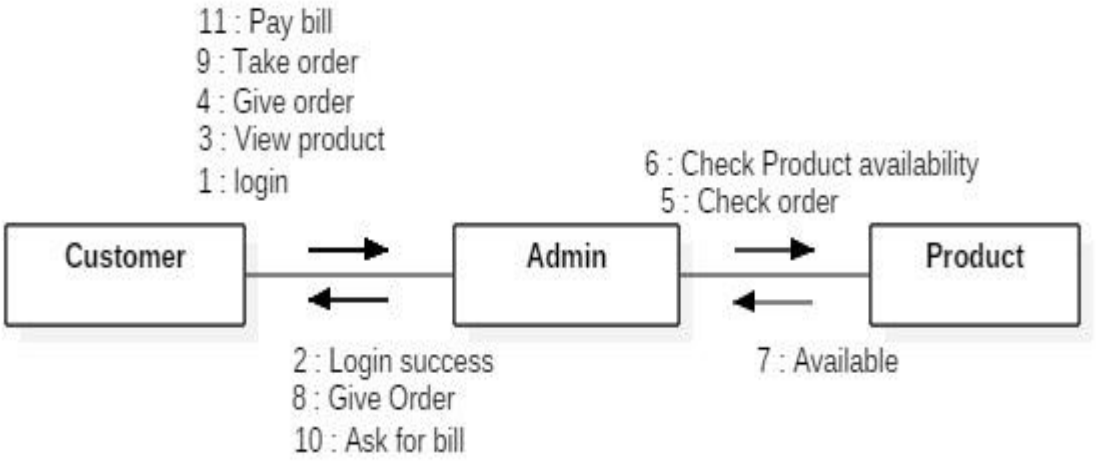
3.4.2.1 Admin:



3.4.2.2 Customer:



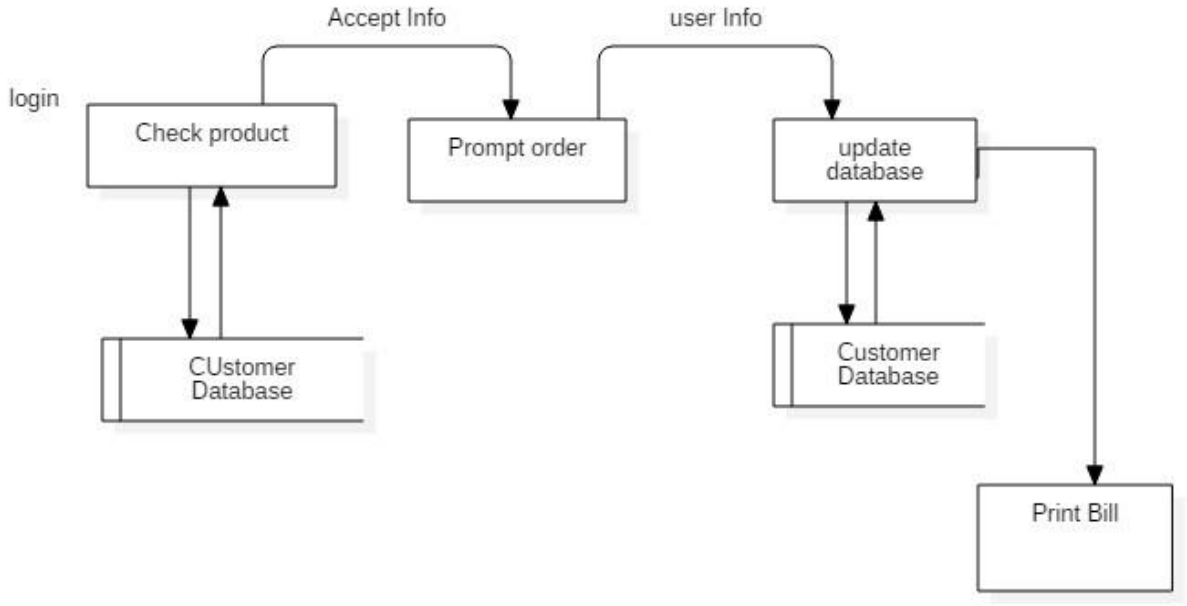
3.4.3 Collaboration Diagram:



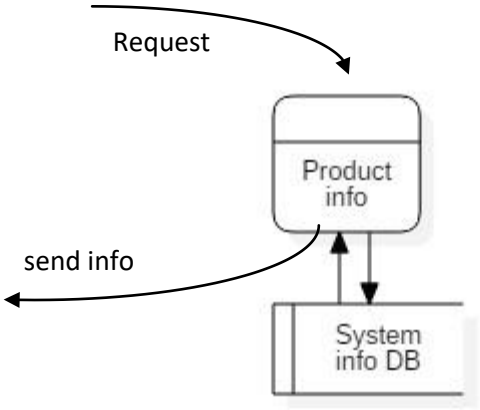
3.4.4 Data Flow Diagram:

Level 0:

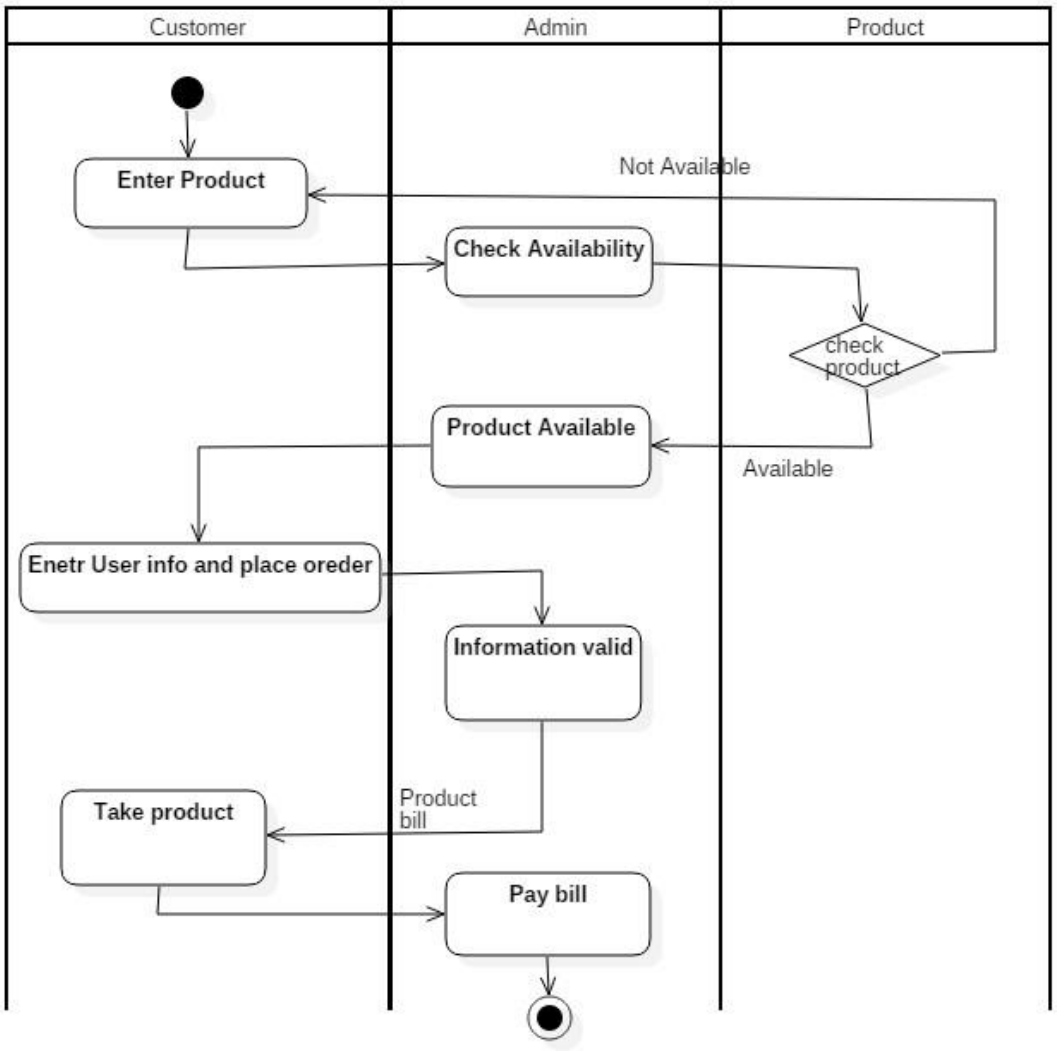
Level 1:



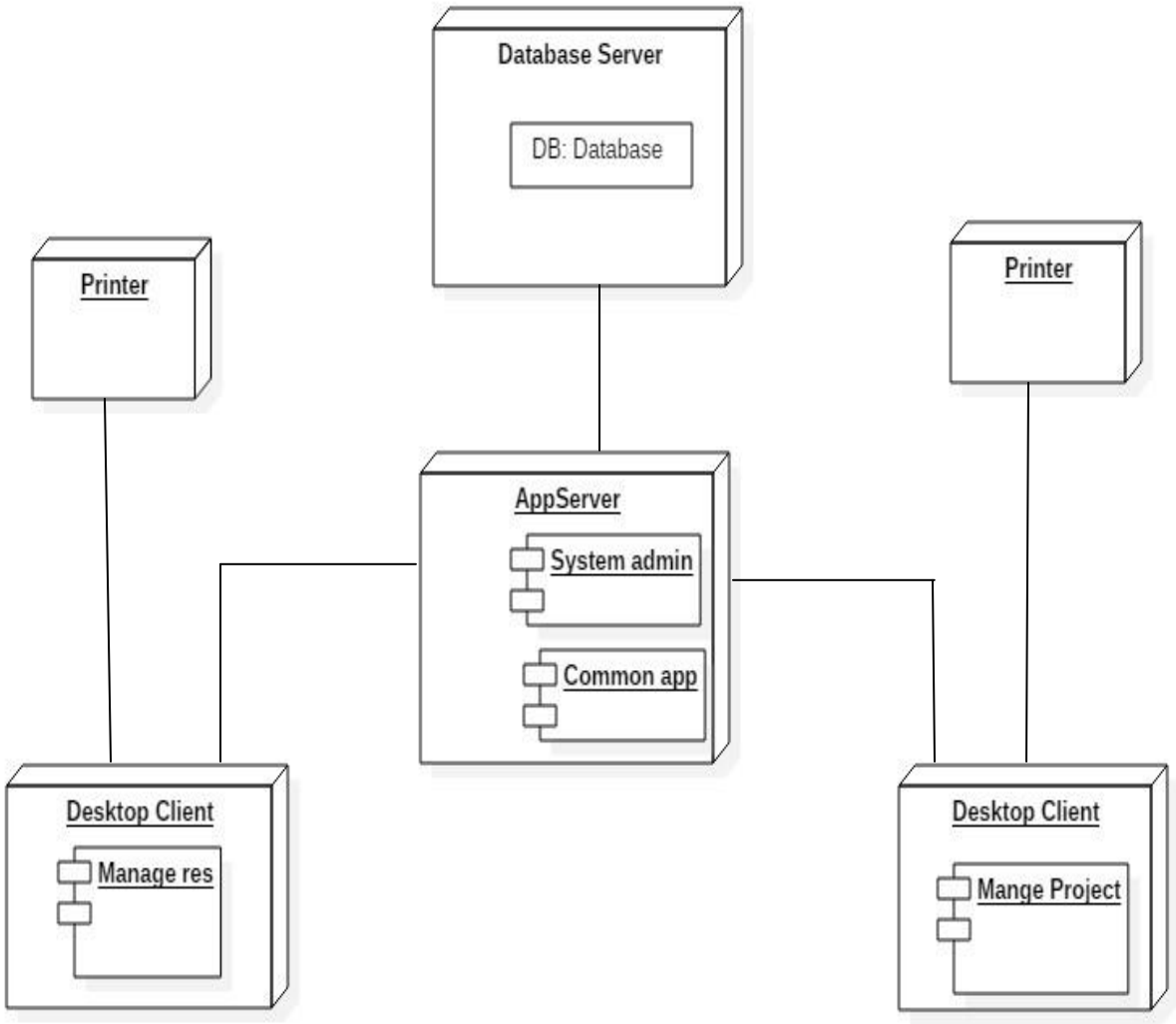
Level 2:



3.4.5 Activity diagram:

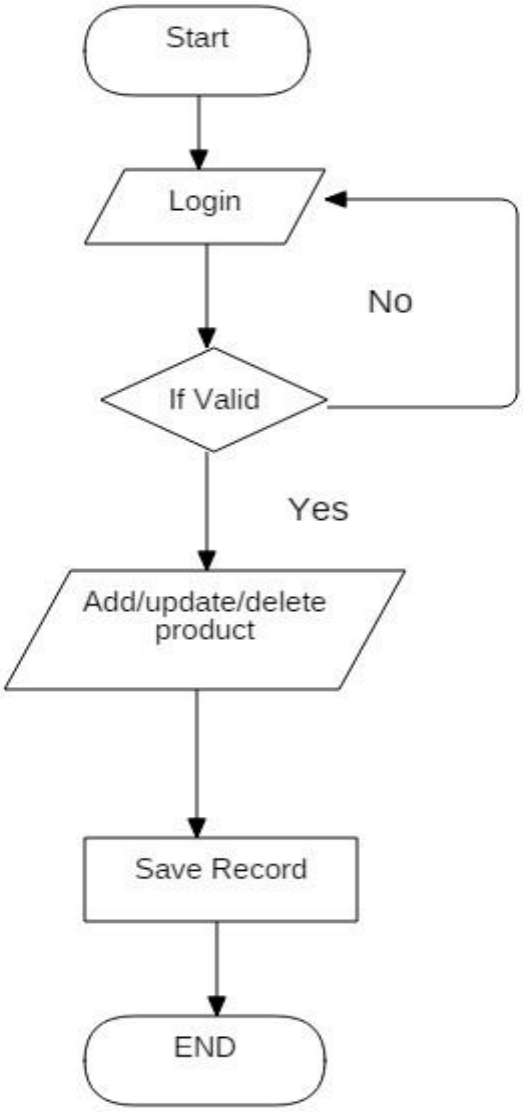


3.4.6 Deployment:

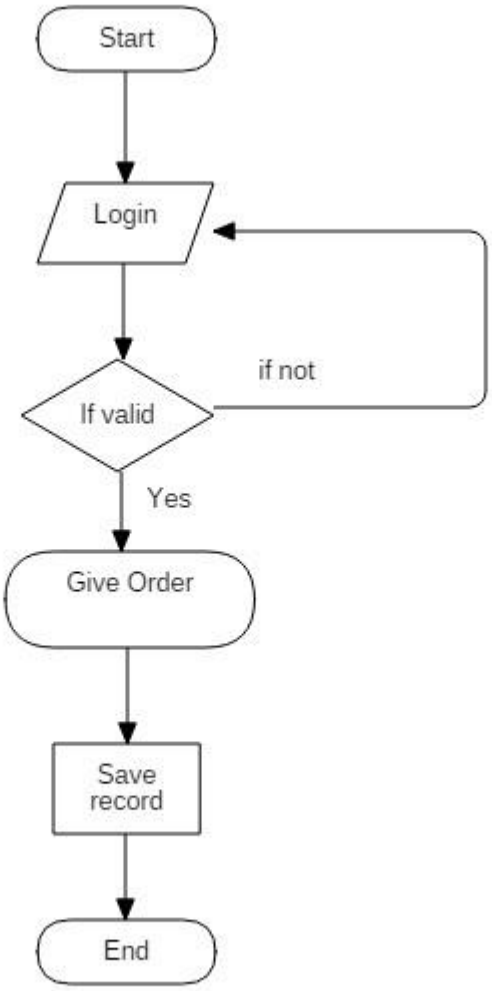


3.4.7 System Flowchart

3.4.7.1 Admin Flowchart:



3.4.7.2 User Flowchart



Implementation and Testing

4.1 Testing Approach:-

4.1.1 Unit Testing:-

UNIT TESTING is a level of software testing where individual units/ components of a software are tested. The purpose is to validate that each unit of the software performs as designed. A unit is the smallest testable part of any software. It usually has one or a few inputs and usually a single output. In procedural programming, a unit may be an individual program, function, procedure, etc. In object-oriented programming, the smallest unit is a method, which may belong to a base/ super class, abstract class or derived/ child class. (Some treat a module of an application as a unit. This is to be discouraged as there will probably be many individual units within that module.) Unit testing frameworks, drivers, stubs, and mock/ fake objects are used to assist in unit testing.

4.1.2 Integration Testing:-

INTEGRATION TESTING is a level of software testing where individual units are combined and tested as a group. The purpose of this level of testing is to expose faults in the interaction between integrated units. Test drivers and test stubs are used to assist in Integration Testing.

Test Cases and Validation:-

Case no	Scenario	Sr. No	Action	Expected output	Actual output	Result

1	Login form	A	User don't enter user name	Message :you can't login without specific login name	Message :you can't login without specific login name	Pass
		B	User don't enter password	Message :you can't login without specific password	Message :you can't login without specific login password	Pass
2	User registration form	A	User enter numeric value in name text field	Message: Enter text character	Message: Enter text character	Pass
		B	User enter character in digit text field	Message: Enter valid number	Message: Enter valid number	pass
		C	User doesn't enter valid email	Message: Enter valid Email	Message: Enter valid Email	pass
3	Customer details	A	User enter numeric value in name text field	Message: Enter only text character	Message: Enter only text character	pass
		B	User enter character in digit text field	Message: Enter valid number	Message: Enter valid number	pass

		C	User doesn't enter valid email	Message: Enter valid Email	Message: Enter valid Email	pass
4	Product detail form	A	User save incomplete information	Message: Enter all field	Message: Enter all field	pass
5	Bill	A	Admin save character in digit text filed.	Message: Enter valid number.	Message: Valid number entered by user	pass
		B	Admin save incomplete information.	Message: Enter all fields successfully.	Message: All field enter by admin.	pass

References:

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