MAIN PROJECT

TOPIC : LAUNDRY MANAGEMENT SYSTEM

SUBMITTED BY,

Tebin Joseph

RMCA – B

Roll No:34

Laundry Management System

ABSTRACT :

We present the design and implementation of a laundry management system (LMS) used in a laundry establishment. Laundry firms are usually faced with difficulties in keeping detailed records of customers clothing; this little problem as seen to most laundry firms is highly discouraging as customers are filled with disappointments, arising from issues such as customer clothes mix-ups and untimely retrieval of clothes. The aim of this application is to determine the number of clothes collected, in relation to their owners, as this also helps the users fix a date for the collection of their clothes. Also customer's information is secured, as a specific id is allocated per registration to avoid contrasting information.

MODULE DESCRIPTION:

Admin Module :

- Admin login.
- Manage users.
- Manage dashboard.
- Manage transactions.
- Manage laundry.
- View feedback from users.

Customer Module :

- User login.
- Edit user profile.
- Book slots for laundry washing.
- View laundry status.
- Make payments.
- Write feedbacks and complaints.
- Categorize cloths according to their type.

Laundry Module :

- Laundry is categorized
- Price is categorized
- Laundry status is updated
- View customers

System Study :

EXISTING SYSTEM

Laundry firm currently uses a manual system for the management and maintenance of critical information. The current system requires numerous paper forms, with data stores spread throughout the Laundry firm management infrastructure. Often information (on forms) is incomplete, or does not follow management standards. Forms are often lost in transit between departments requiring a comprehensive auditing process to ensure that no vital information is lost. This has lead to inconsistencies in various data due to large volume of

contrasting customer details leading to mix-up of clothes in the laundry firm which thus leads to delay in collecting the clothes back.

PROPOSED SYSTEM

The Laundry Management System is designed for any Laundry firm to replace their existing manual, paper based system. The new system is in form of an e-registration system to control the following; customer information, products, services, users, carts and receipt. These services are to be provided in an efficient, cost effective manner, with the goal of reducing the delay and resources currently required for such tasks as clothes details are bounded to a particular customer with a given id. Since the existing system makes use of tedious administrative tasks, lots paper work and time, in which full information cannot be gotten from busy customers.

TABLE DESIGN

DAILY FRESH

Name:-tbl_Registeration

Primary key:-rid

Field	Data type	Description
rid	Int(11)	Primary key
Name	Varchar(20)	Name of user
Email	Varchar(20)	email
Phone no	Int(22)	number
address	Varchar(20)	address

Name:-tbl_login

Primary key:-login_id

Foreign key:-rid refernces tbl_Registration(rid)

Field	Data type	Description
login_id	Int(11)	Primary key
rid	Int(11)	Foreign key
username	Varchar(20)	username
Password	Varchar(20)	Password
Status	Varchar(20)	Status of user

Name:-tbl_clothcatlog

Primary key:-cl_id

Field	Data type	Description
Cl_id	Int(11)	Primary key
Cloth type	Varchar(20)	Type of cloth
price	Varchar(20)	Price of specified type

Name:-tbl_bookslot

Primary key:-bl_id

Foreign key:-Cl_id references tbl_clothcatlog(Cl_id),login_id references tbl_login(login_id)

Field	Data type	Description
bl_id	Int(11)	Primary key
Cl_id	Int(11)	Foreign key
login_id	Int(11)	Foreign key
Date	date	Date of booking
Quantity	Float(50)	Quantity of cloth
Status	Varchar(20)	Booking Status

Name:tbl_pickup

Primary key:pi_id

Foreign key:bl_id references tbl_bookslot(bl_id)

Field	Data type	Description
Pi_id	Int(11)	Primary key
bl_id	Int(11)	Foreign key
Status	Varchar(20)	Pickup Status
Total amount	Float(50)	amount
Date	Date	Date

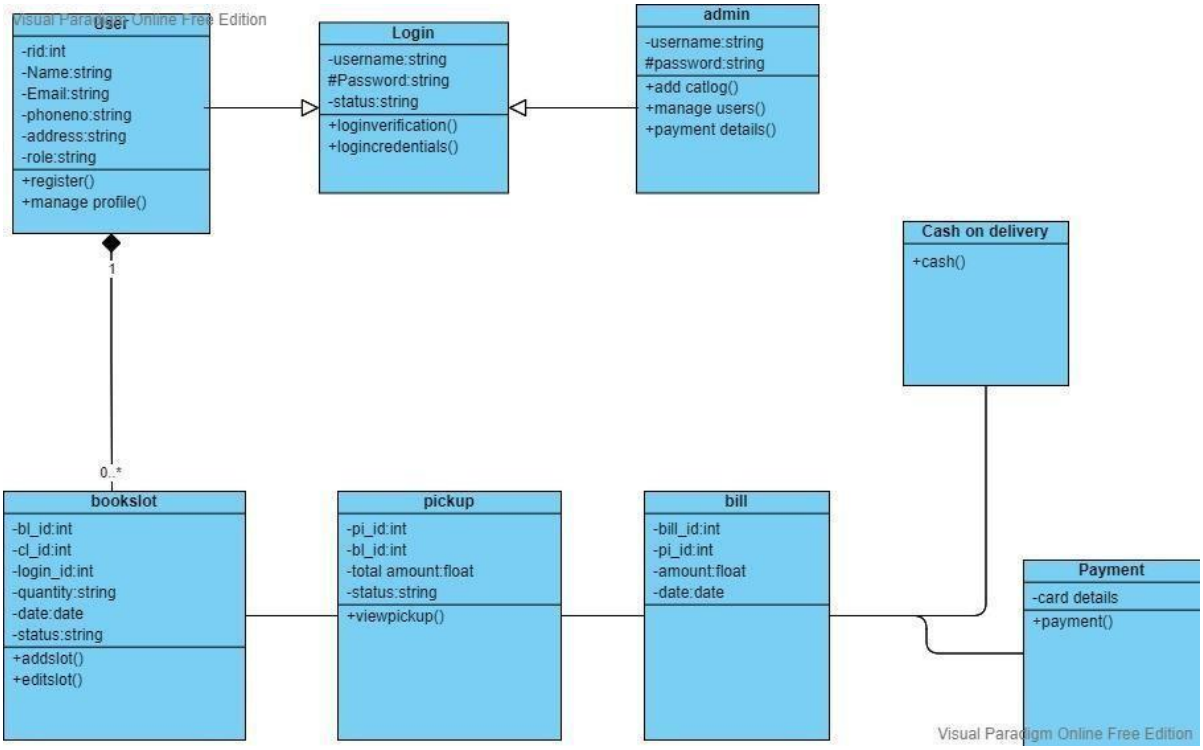
Name:-tbl_bank

Primary key:-bnk_id

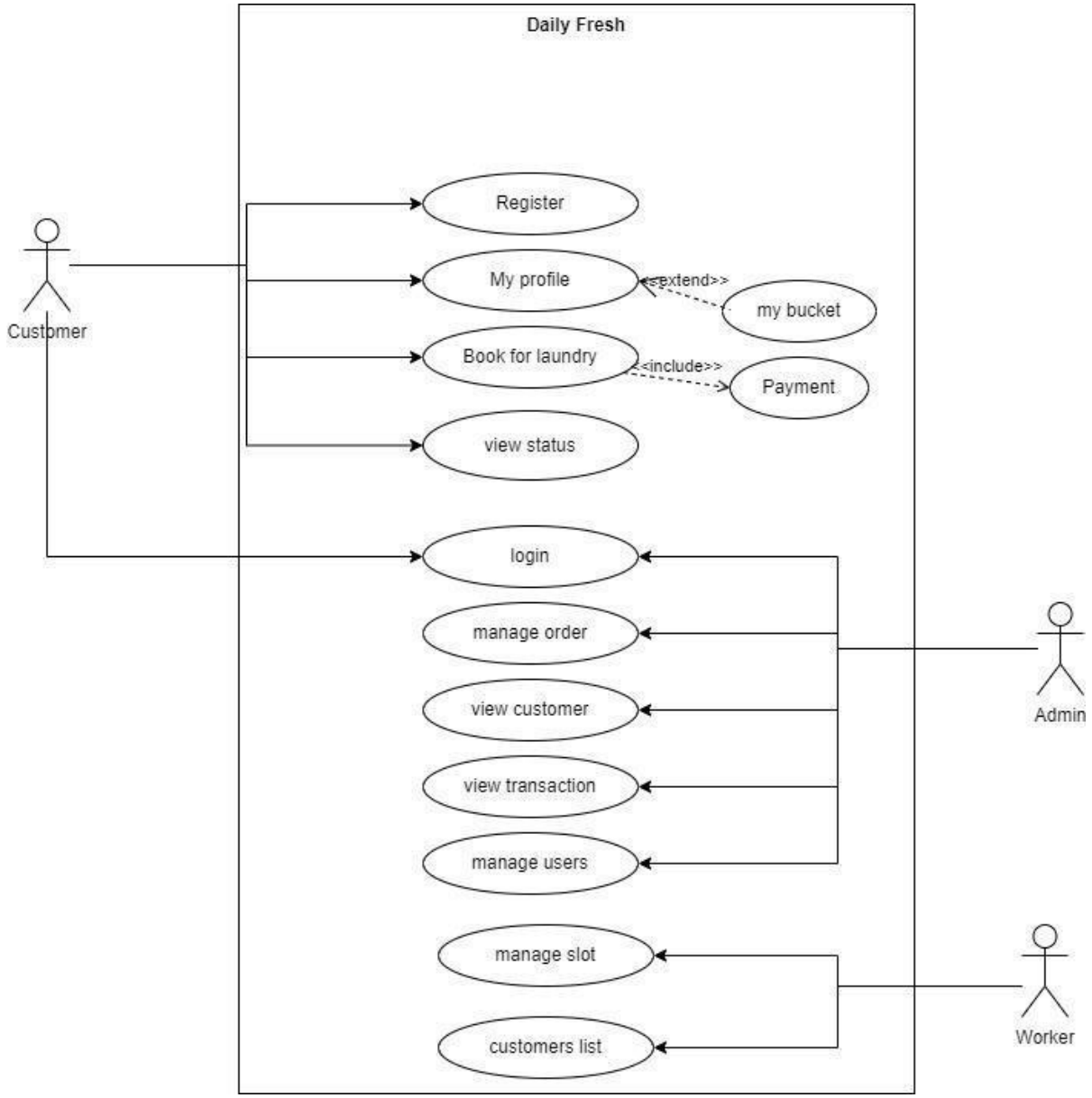
Field	Data type	Description
bnk_id	Int(11)	Primary key
Pay_id	Int(11)	Foreign key
Name	Varchar(20)	Name
Card number	Int(12)	Card number
Cvv	Int(3)	Cvv number
Expiry date	Date	Date
Balance	Float(100)	Balance in account
Status	Varchar(20)	Status from bank

UML DIAGRAM

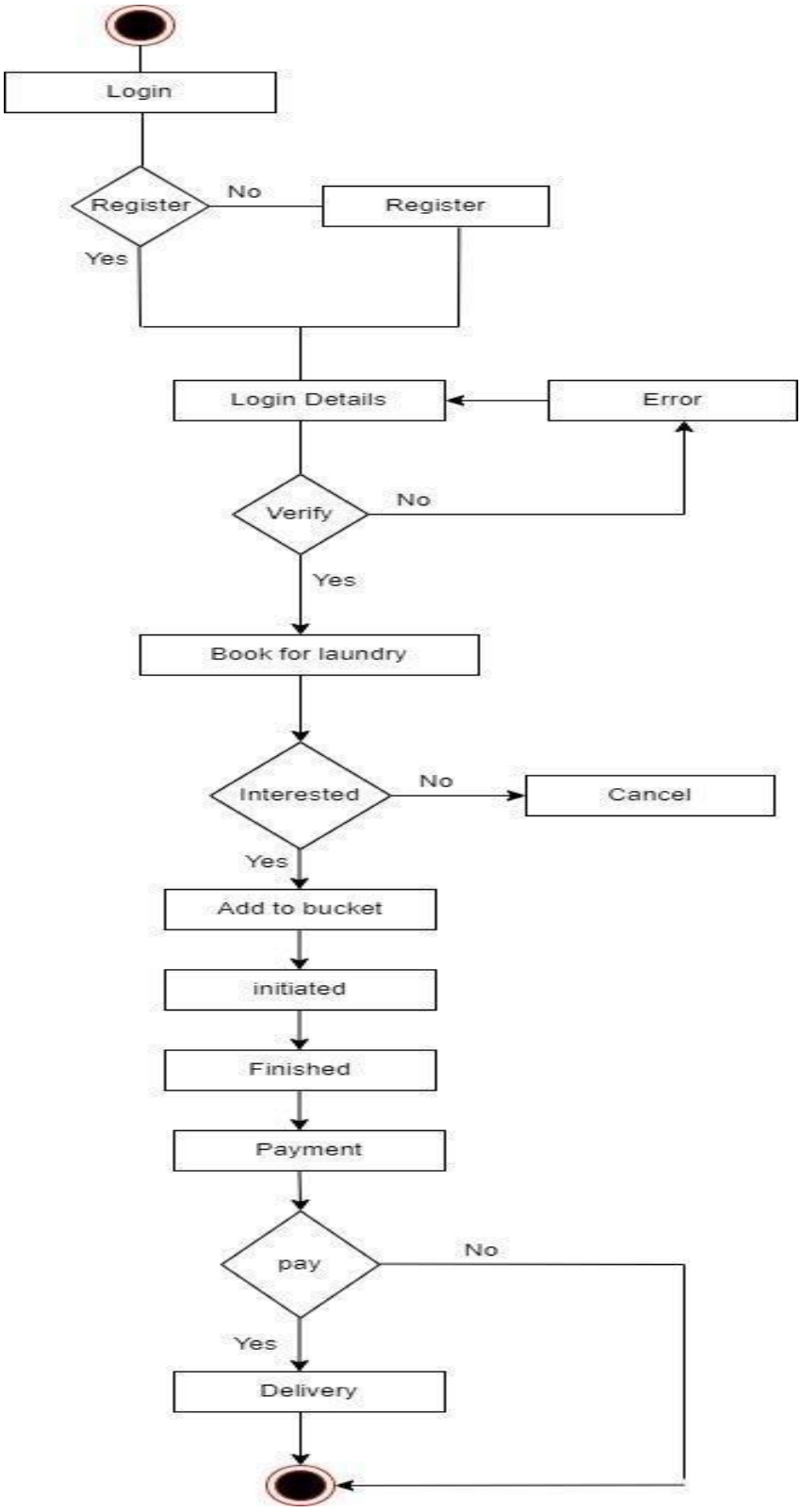
Class Diagram :



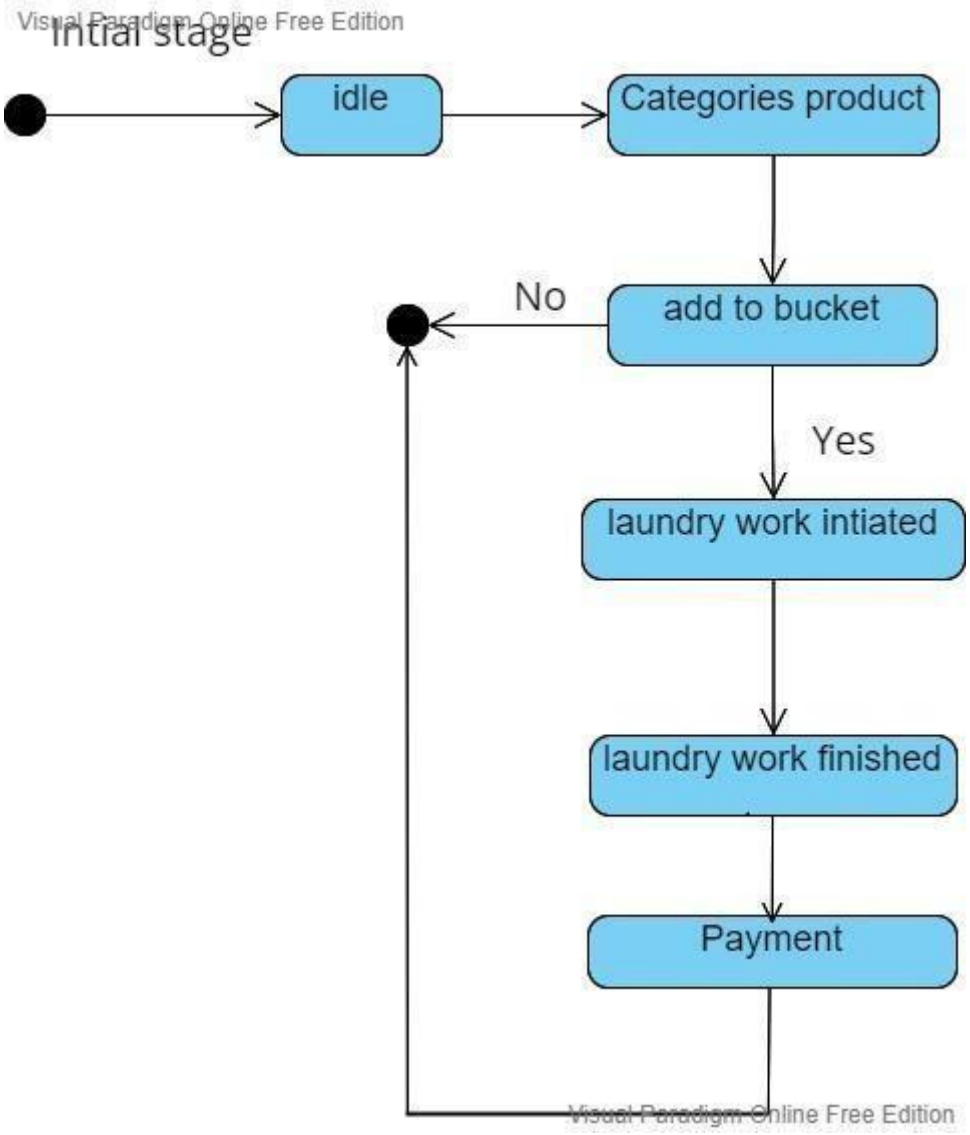
Usecase Diagram :



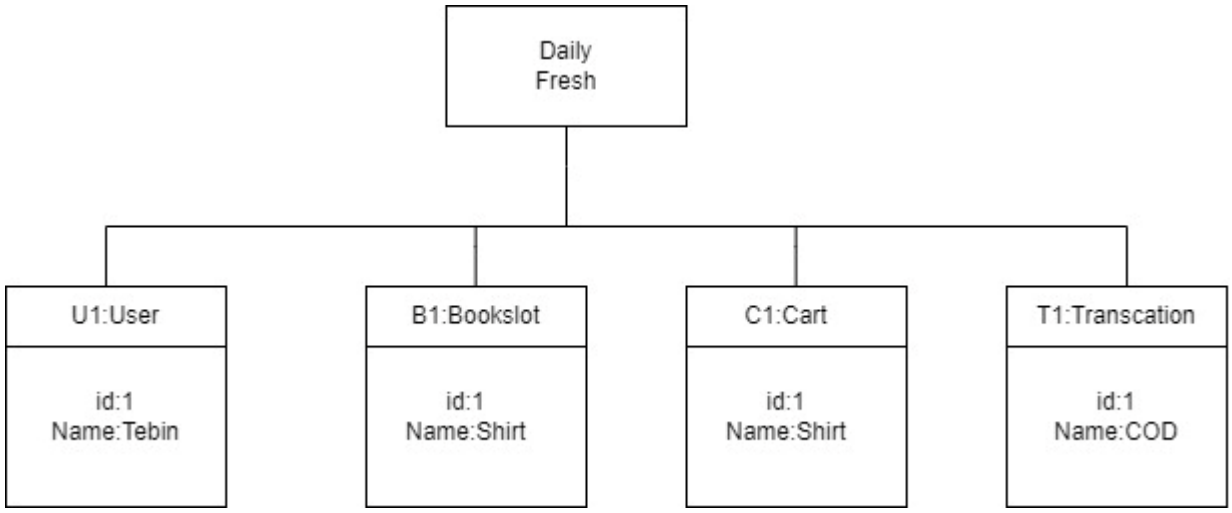
Activity Diagram :


Login
Register
No
Register
Yes
Login Details
Error
Verify
No
Yes
Book for laundry
Interested
No
Cancel
Yes
Add to bucket
initiated
Finished
Payment
pay
No
Yes
Delivery

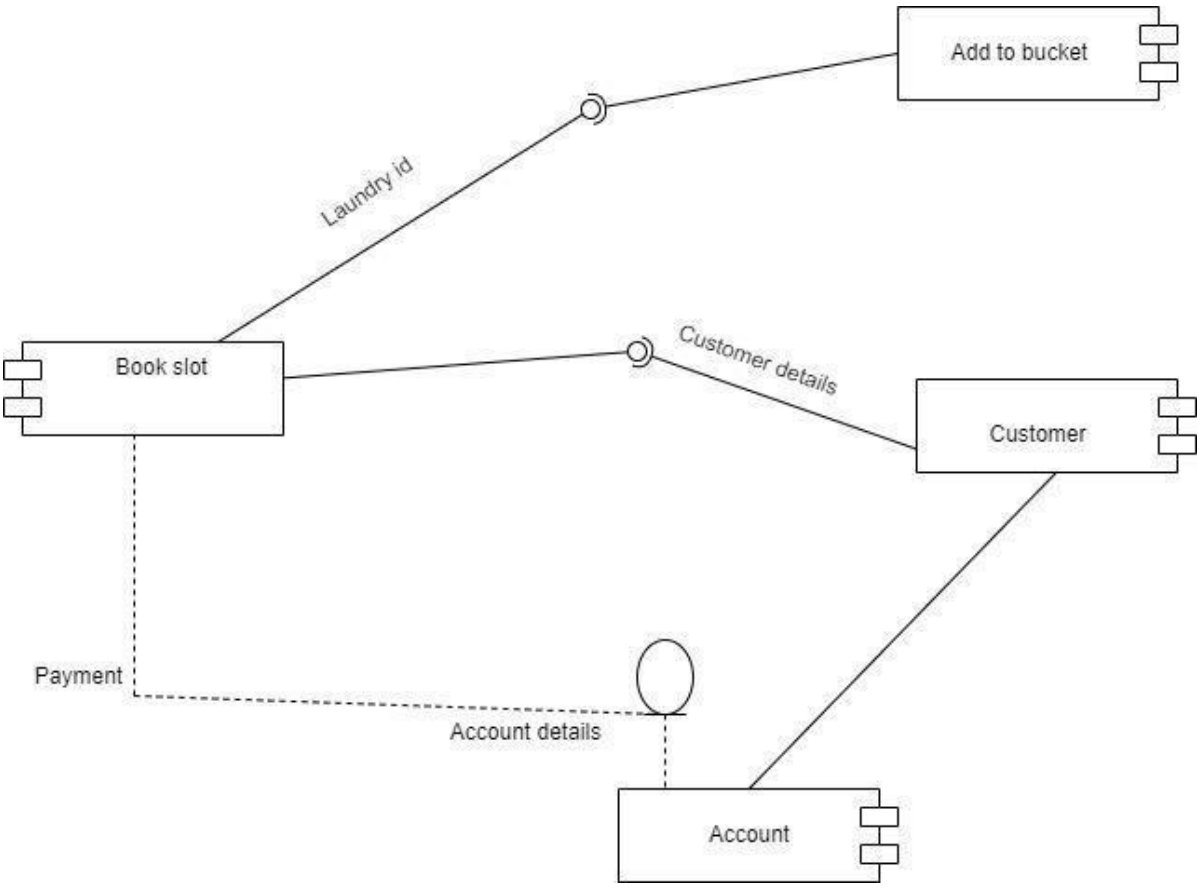
State Diagram :



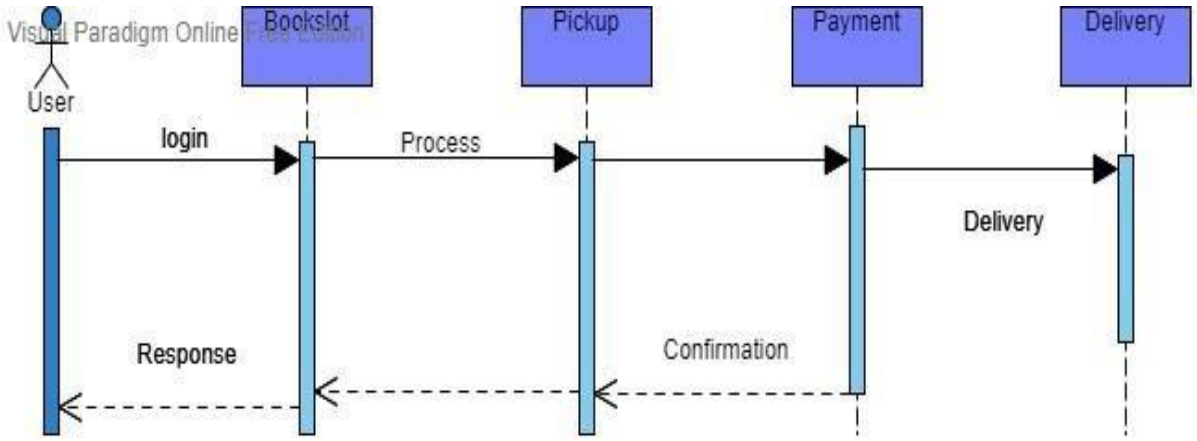
Object Diagram:



Component Diagram:



Sequence Diagram:



Deployment Diagram :