1.Algorithm on Library Management:

1. Start

2. Select book which you want

3. Enter the book details into the system(like stored ISBN number, book name, Author name etc..,)

4. If you want to get any book in the stored system then you should enter your (book name, ISBN number,Author name likewise)

5. If you want all books information then you should enter the display then it will show all information of selected book or all books.

6. After borrowing a book you should enter all details like in step 3.

7. After completion of these steps return that book

8. While returning the book what you took and the details what stored in system should match. Otherwise the book is not to return

9. Return correct book.

10. Stop

2. Algorithm on ATM transaction:

1. Start

2. Insert ATM card

3. Enter password

4. If the password is correct it show menu

5. Otherwise enter correct password it shows

6. When you entered three times incorrect password your card will bocked for that day.

7. The machine will displayed menu like(withdrwal,deposit,balance enquiry, and exit likewise)

8. After selecting our options (First withdrwal selection I am doing)

5. In withdrwal it showing enter amount You want

6. When the amount entered is sufficient in your bank then you can retrive the amount

7. Otherwise it show insufficient amount.

8. Your withdrwal selection should be in limit(per day three times only)the limit is increased it show card is bocked.

9. When you select deposit selection(Deposit selection)

10. Deposit how much amount you should deposit.

11. When you select balance enquiry (Balance enquiry)

12. In balance enquiry You know that how much money in your account it will show

13. When you select exit (Exit)you will exit from menu

14. You can now take your ATM card

15. Stop

3. Algorithms Restaurent management systems:

a) Order management algorithm:
1. Start

2. Visit zomato,swiggy like food order apps

3. Enter Your details to login that app

4. The app will show avalaible items in that you can select which you want.

5. Select the food which you want to order

6. If your account balance is sufficient to the selected food item cost then you can order that amount otherwise choose item within amount you have only.

7. After selecting food item pay itemcost by using creditcard or debitcard

8. Your payment is done.

9. If you want cancel the order then you should login in that app. In that it will show selected item in that one you can cancel the item.

10. Otherwise You can update the items also

11.Stop

b) Kitchen management algorithm:
1. Start

2. Shows the numbers of items will be present in the menu and and time duartion for the each item.

3. If selected the one item it will show the item ingridiances and processing time item.

4. After selecting items it will take the whole process times consideration of all items which is takes time more it will indicates as time duration for customer, and have to waiit to get the item.

5. After all the time it will comes to the customer

6. Stop

c) Employee management algorithm:

1. Start

2. In this we get the all employee details which working inside the resturant like catagories wise number of cheff's, number of waiters, number of dish cleaners, number of floor cleaners

3. When we select the one cheff we will get the total cheff's details which includes their salary, for which type of items they will make and their shift timing, like this for every category of employees we will get the salary ,type of work, shift timings

4. After selecting we will get their details saperately category wise

5. Stop