Data Structure:

**User:**

Name

Address

Phone,

Email(Unique)

Cardno

deliveryaddress

Password

**Order**

Orderno

userloc

Total

Tax

Resname

ResType

Resaddress

Items[]/itemlist

**Item**

Name

Price

quantity

ProcessRegister(empty user structure):

1.Start

2. Prompt user to enter Name,address,phone,email,credit/debit card number,password

2.Store to user->name,user->address,user->phone,user->email,user->cardno,user->password

3.Update user structure

ProcessLogin(user structure)

1. Reset count=0,flag=0
2. Prompt user to enter email and password
3. Store to email and pass
4. Scan user database
5. Repeat 6 and 7 till endofDatabase
6. If (email=user->email)

a. If (pass=user->password)

A. Stop

Else

A. Set flag=1

B. Break the loop

1. Flag=1

8. If(flag=1)

A. count=count+1

B. If (count <=3)

a. Display “Try aGain”

b. Go back to step 2

C Else

Display “Please register”

Stop

ProcessOrder(user structure,order structure)

1.Start

2. Prompt user to enter yes or no for accessing location services.

3.Store to permit

4. if permit is “yes”

A .Call Location service

B. Store to order->userloc

5. Else

A. Prompt user to enter location

B. tore to order->userloc

6. Prompt user to select from options : 1. Pizza, 2. Mexican 3.Grill

7. Store to order->restype

8. Call location service(order->restype)

9. List restaurants

10. Prompt user to select restaurant

11. Store to order->res\_name

12. Pull up menu and prices for order->res\_name

13.

13. Prompt user to select food item

14. Store to itemlist/item[]

15. Prompt user to enter item->quantity

16. Update item structure

17. Display “Order more?”

18.Prompt user to enter (“y/n”)

19. Store to ans

20 if ans “y”

a. Go back to 13

21. Else

a. call calTotal

22. Stop

CalTotal(user structure,item structure)

1.Start

2. Go to the item[0],order->total=0

2. Repeat steps \_3 to 5 till item[]/itemlist empty or till end of the item[]/itemlist //any one

3. Fetch the item

4. order->total=order->total+(item->price\*item->quantity)

5. Go to the next item

6. order->total= Tax calculation formula //Needs to be filled up

7. Update order structure

Main process  
1. Set user ,order structure to empty ,ispayment to false

2. Prompt user to select 1. login or 2.Register

3.Store to option

4. If option=1

a. call ProcessLogin

5. Else

b. Call ProcessRegister

6. Display “place order”

7.Call ProcessOrder

8. Display the receipt and call 3rd party payment process

9. If ispayment true?

a. Display “Order confirmed”

b. Prompt user to confirm the adress  
 c. If “yes”

A. Display “Address confirmed”

B .Set user-> deliveryaddress to user->address

d. if “no”

A. Prompt user to enter address

B. Store to user-> deliveryaddress

C.Call location service

D.If user-> deliveryaddress is in 25 kms from restaurant

a. Display “Address confirmed”

E. else

a.Display “order cancelled”

b.Stop

10. Else

a.Display “order cancelled”

b.Stop

11. Stop