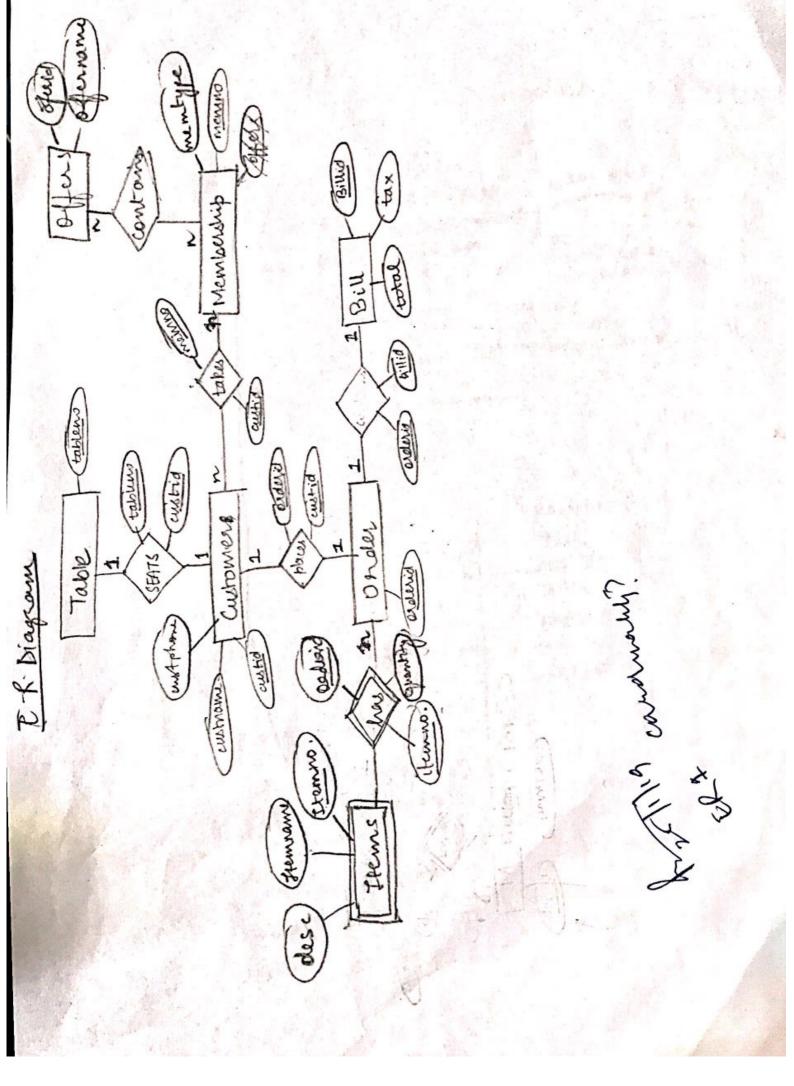
## RESTAURANT AUTOMATION SOFTWARE

## Problem Statement:

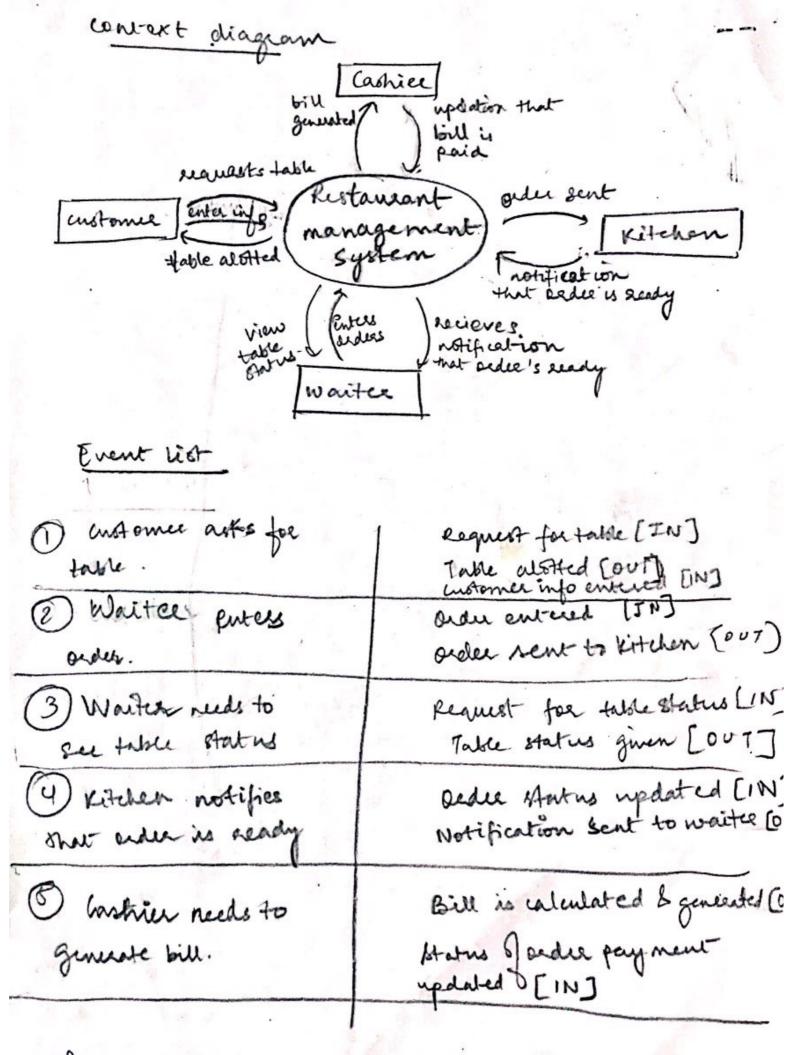
Problems faced by traditional sertament management

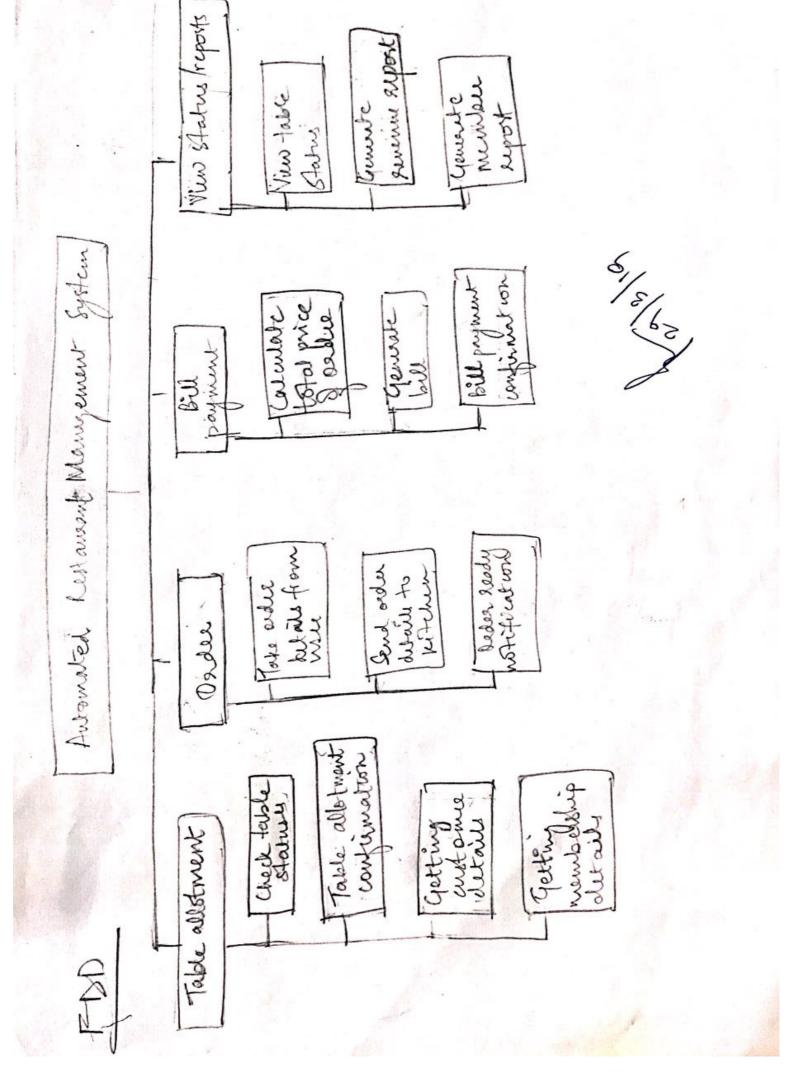
- · Casedination of work autivities
- · Recognizing trends to take adv. of besteller
- Rused maintenance

This project will computeize all refament operations so that it spees all information regarding customers orders & Auffauttvity. Hosts will be able to view table status with the dick if a button. The waiters will be able to enter the customer orders quickly and share it electronically sent to the witchen. The kitchen staff (cooks) will be able to view incoming seders 2 notify the assigned maiter where the food is leady. Bus brego viell be åble to view seal-time floor Status alleving them to know which tables are empty | rempied & clean wity: All of the restaur informations is organised & stored withe system delabase for viewing end analysis of revenue all revenue percentage per nem dem de nem en l'em de nem stem le nem stem popularity.

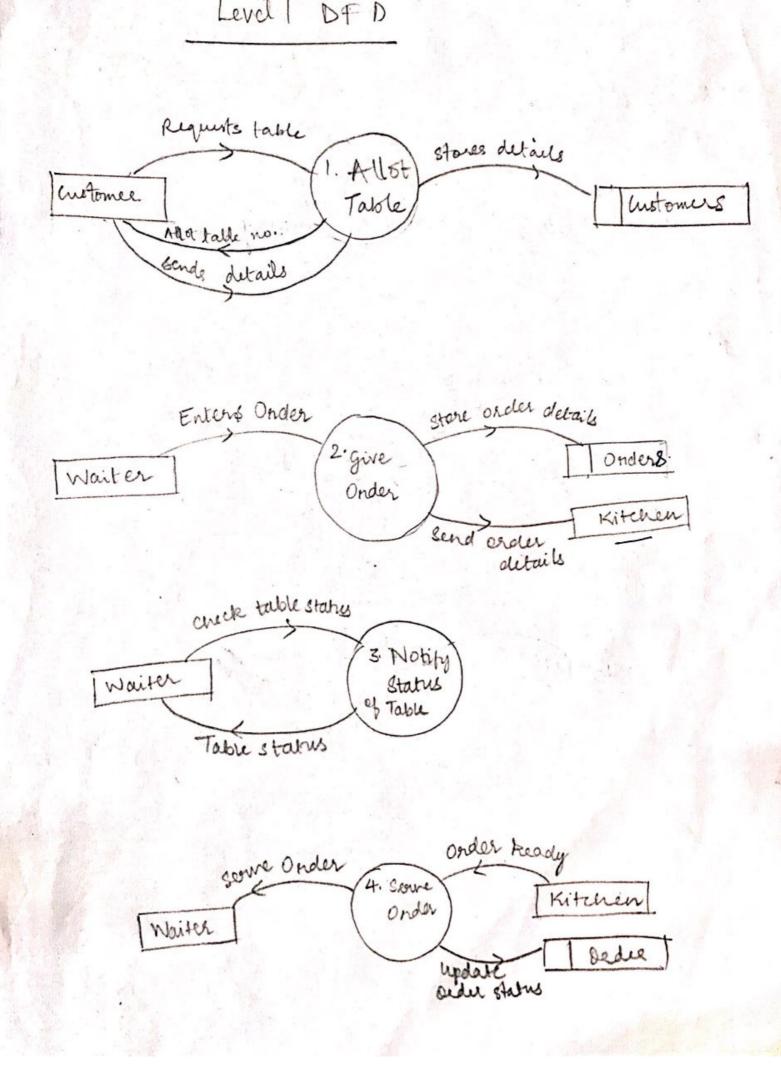


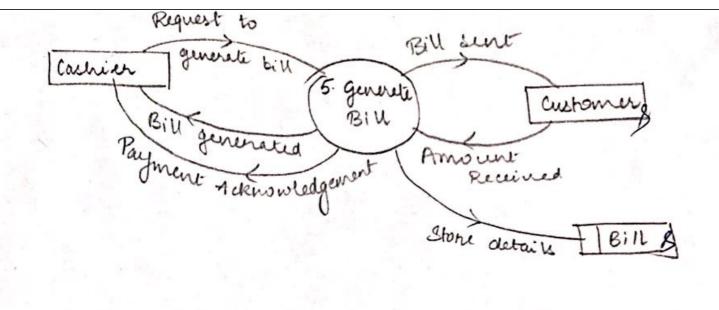
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USE CASE DIAGRAM nequest table pay bill kitchen staff US CAMENARIUE pre 15/1 UCL Region Tolale. (1) Introduction. Thu was care creating enquest for a I Harle Cours wie Constance hasn't been a called a valor of seady. Depos midding . O. ...

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UCI - Request Table D'Introduction: This use case creates a request for a table. D'Actors: Customer Blue condition, lustomer hasn't been alotted à table (9) lost condition: System displays waiting time / table Denent from: Basic flow i) Eustomer requests table.
2) Take is alotted & wanter is assigned to customer. Alternative from -2) på tables are procupied bystem show waiting time.

# UCZ- Enter details

- 1 Introduction: This use case less the customer entre his/he details ie phone no., name, address
- (2) Actors: Customes
- 1 Precondition: Customer is not a legistered member 2 has been altited a table.
- 9 Past condition: System displays nembership
- ( Event from ; Baric from >
  - i) Use enters his / her details into the system ( mane 9 phone no., address).
  - 2) Details are saved to the customers data store along with an automatically alocated automacid 3) System displays numbership schemes.

Alternative from ->

If now is already a registered member,

only enter the customer id. 2) Retrieve austomer details from database.

- D'Introduction: Ties use care registers a new member into the system.
- 1 Actors: Customer
- B Precondition: customer has entered details into the system and is not an already registered member.
- appropriate offers according to the membership chosen by the auxonier.
- Basic flow -
  - 1) system displays different membership options & their offers.
  - 2) austomer chooses one option
  - 3) After associated with the membership are display when customer places adde.

- 1) Introduction: This use case places an order l saves order details into order data store.
- DAvois: customer, waiter, kitchen staff
- Ble-condition: Customer has entered der his/hur dutails & outsted a table. Customer has been shown Menu Homes by the waiter.
- (9) Pest-condition: The Kitchen staff (chef) is notified about any incoming leder. The chif notifies the assigned waiter when food is leady.
- Basic flow -
  - 1) Waiter shows mem to the customer on system
  - 2) Customer giver the order to the waiter, who
  - 4 savies the ceder details into data store.
  - 3) The system notifies the chef of the new order.

Alternative from 3

- ) waiter shows mem to custome en system.
- is out of stock. Wente notifies entomer about non-available Noty & suggests substitute.
- 3) System notifies they a) the order

# UCS-Pay bill

- Thtreduction: offis use case records payment of leill by customes to the cashies.
- (2) Actors: Custonie, Cashie
- Blu-iondition: The austomer's order has been served.
- 9 Past-condition: Feedback is taken from the
- Basic flow -
  - D'system calculates bill amount from order détails l'applies Effers/discounts.
    - 2) The calculated amount is stored into bills data store and displayed to custome along with cede details.
    - 3) The customer pays the amount to the coolier by each

brown .

## DATA DICTIONARY

letter = [A/B/c .... Y/Z]

digit = [0/1/2 .... 8/9]

character = [letter, digit, special characters]

#### Table.

table 1D = 5 { character 3 6

#### Customer

cust 1D: 5 funeractory 10

custname: frame + lname

frame: 2 { letter 3 20

Iname: 2 { letter } 20

cust phone: country code + 10 fdigit 3 10

### Membership.

membype: 10 Echaracters 315

mem no: 5 faigit 3 6

offer 10: 5 faigit 37

Offername: 10 Echara chers & 20

#### Order

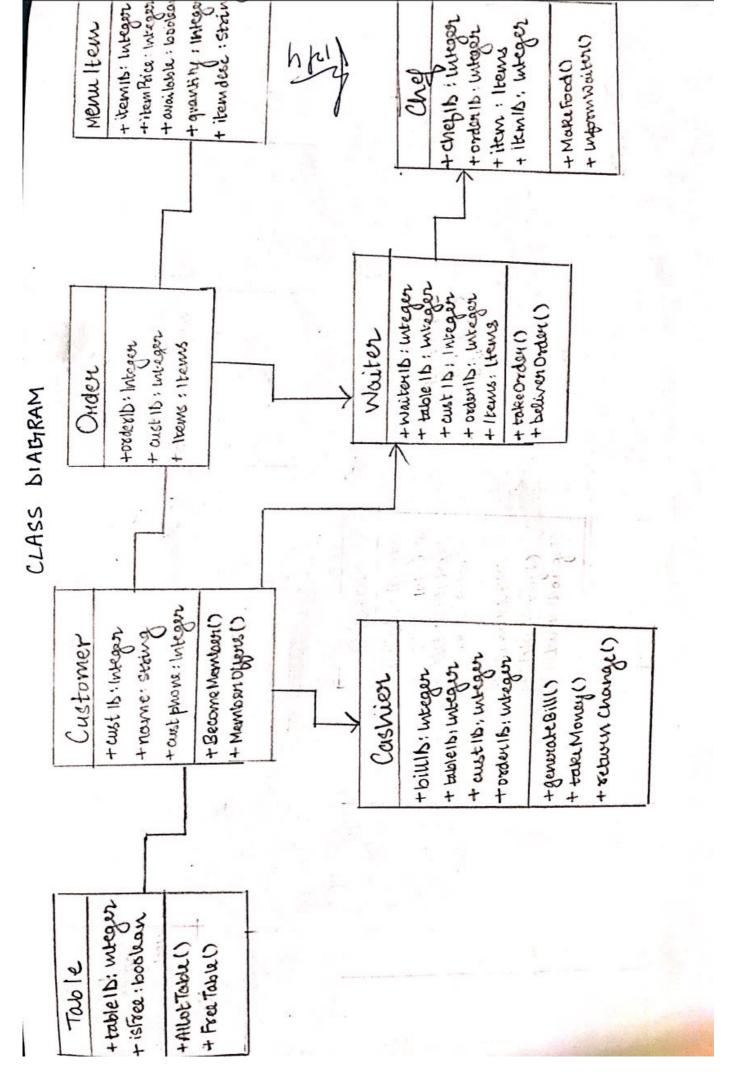
Order 16: 3 Edigit 3 7

item 10: 4 Edigit 3 5

quantity: 28 character 34

itemname: 6 { letter } 20

description: 9 Euraracter 3 20



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