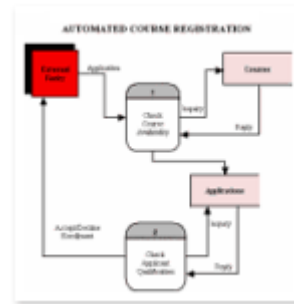
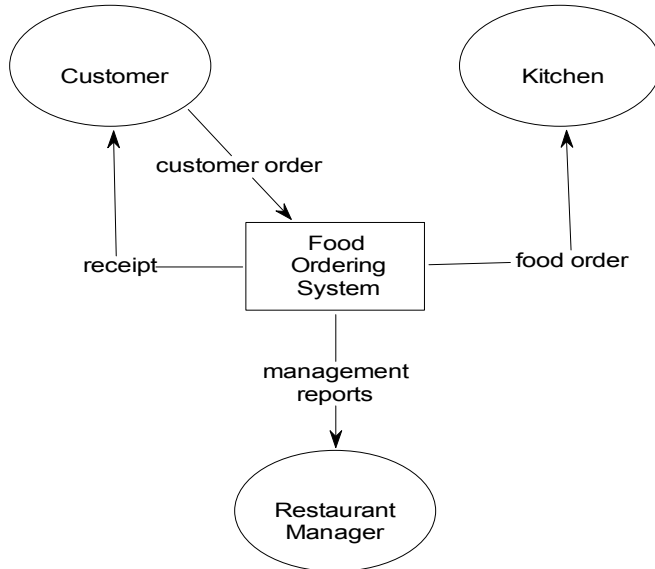


چارچوب تعریف پروژه و اقدامات لازم

مراحل را حداقل مطابق موارد زیر انجام دهید. از کلیه ابزارهایی که می شناسید استفاده نمایید

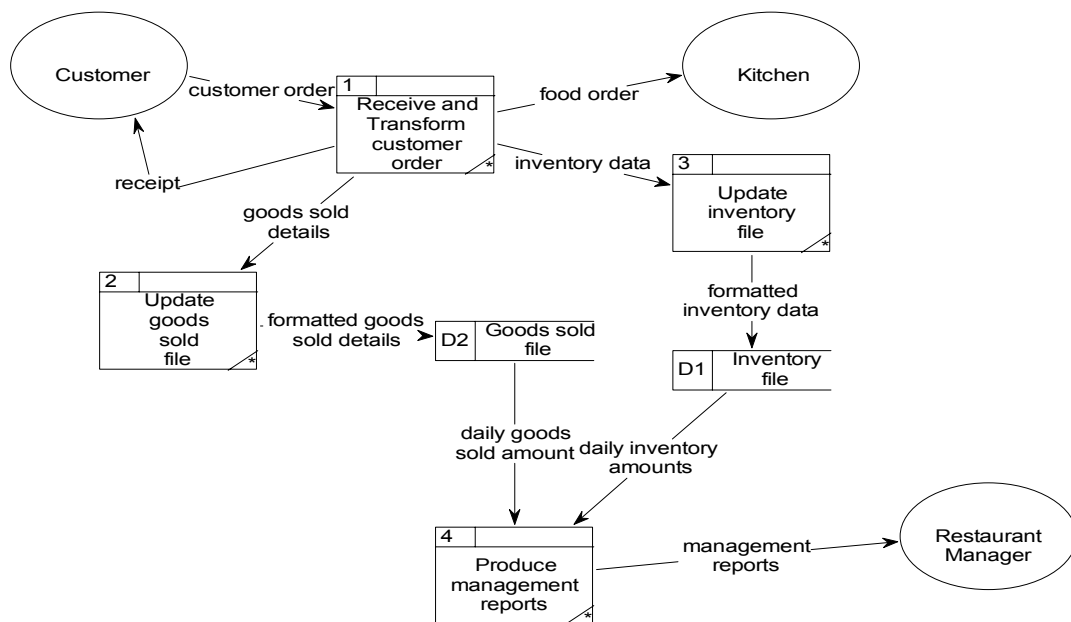
Phase 1 – current system study

define a new project –
Draw **Context diagram**



Check your diagram

1. Create child diagrams from your context diagram



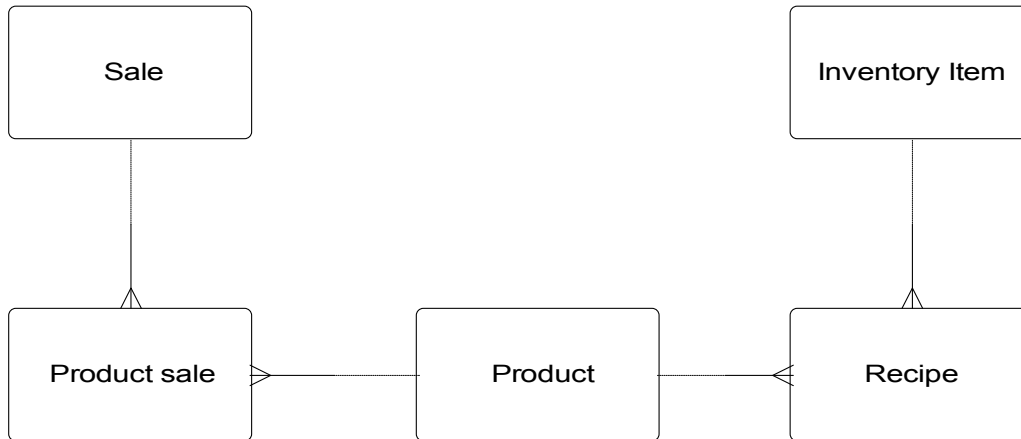
چارچوب تعريف پروژه و اقدامات لازم

Select a process and decompose and create a new child diagram.

create some processes on your level 2 DFD

2. Create a new diagram

Draw the Entity relationship diagram (**LDS** Logical Data Structure) like below:



Add attributes to entities and set up the primary keys.

Sale

Receipt Number

Sale date

Credit card authorisation

Product

Product ID

Product description

Product Sale

Product ID

Receipt number

Quantity sold

Inventory Item

Item Number

Item Description

Quantity in stock

Type of item

Minimum order quantity

Recipe

Item Number

Product ID

Quantity used

Label relationships with meaningful names

check the diagram for errors and Normalize the ERD

3. create HLD diagram of the system

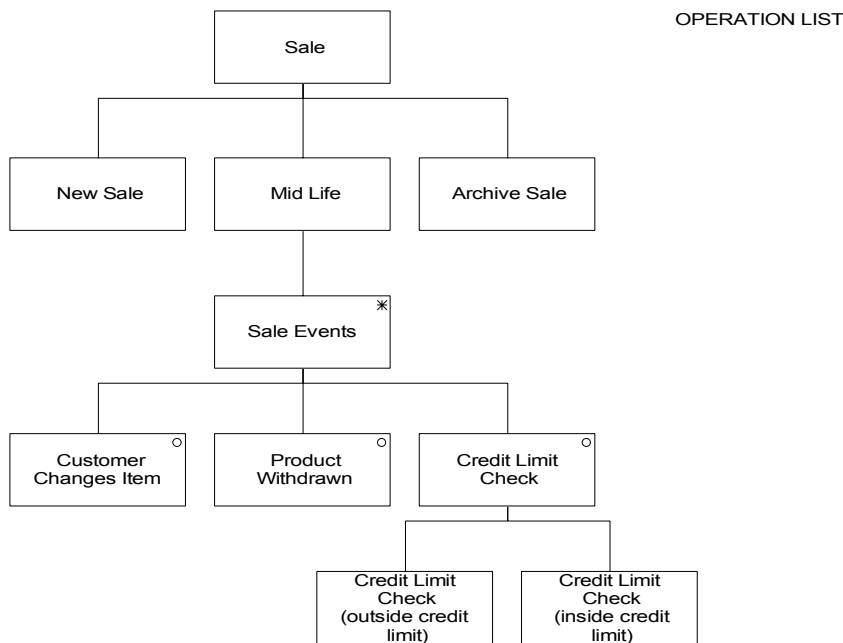
Review the current system and modify the DFD , ERD and HLD for improvement



Phase II- design

Finalize the current improvement system and do steps 1 to 3 for new system requirement.

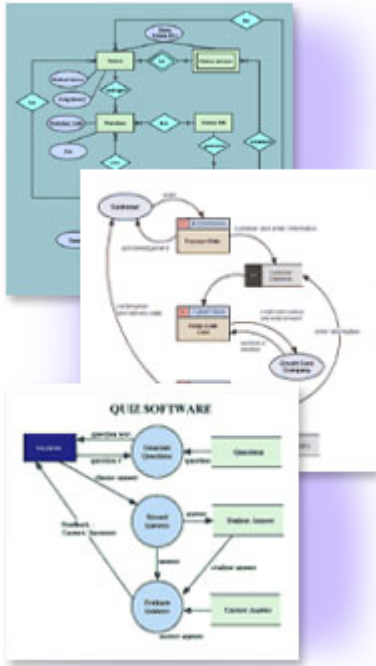
4. Create ELH (Entity Life History) diagram for each system/subsystem



Check for accuracies

5. Create Flow chart for processes

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6. create process /program specification sheets for the project

for every process describe the algorithms and constraints ,

7. Interactive dialogue structure chart (input / output)

For every dialogue / screens design , a dialogue chart shows the interaction of user with system

8. create Data dictionary for the project

data structure and key characteristics , constraints, volume , frequency of change / ...

Phase III – testing and implementation

9. Test case

All system should have a test case to check the program works as designed.

10. implementation plan

for system implementation and based on your understanding of relationship between systems , a road map of implementation have to be defined With time and sequence.