Assignment No : 1.3

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Branch: CSE **Section/Group: 607A**
Semester: 4th **Date of Assignment:28/2/2022**
Subject Name: Software Engr. **Subject Code: 22E-20CSP-255**

1.

Aim: Draw a level 0 Data Flow Diagram (DFD)

Students login with an email Id and password and the system provides access to the schedule for the current quarter. Students pick classes and enrol in them. Enrolments are recorded in rosters. The system formats rosters for each class and sends them to teachers. Teachers can drop students on their rosters.
The DFD should have more than one process, more than one source/sink and more than one data store. The words in bold in the above box should appear in your diagram at least once. You may have to invent some names.

Objective: To draw a level 0 Data Flow Diagram(DFD) is to graphically represent flow of data in an information system of above instruction.

Requirement Analysis:-

Software Requirement

   1. Pages

Hardware Requirement

   1. Pc

   2. MacOS 12 or higher

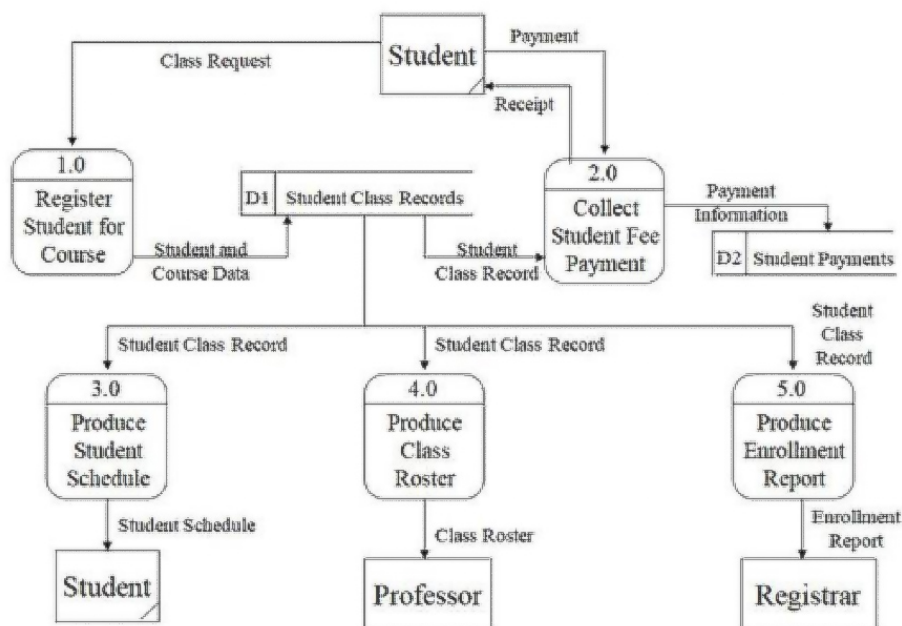Entities: It is a source and destination of information data.

Process: It is the activity or action taken on a data been entered.

Data Storage: It is used to store data after processing or gathered through entities.

Data Flow: It is used to show the movement of data from source to destination and vice- versa.

Data Flow Diagram (DFD)

Level 0 DFD

In the above DFD , we have used entities for the student, registration, fees, schedule of class, class roster, enrolment report , professor and registrar portal. Then we used data store for keeping class records and student fee payment.

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2.

Aim: Draw a level 1 Data Flow Diagram (DFD)

The software proposed is Food Ordering System. It has participants who will interact with the system, called the external entities. The *Supplier*, *Kitchen*, *Manager*, and *Customer* are the entities who will interact with the system. In between the process and the external entities, there is data flow (connectors) that indicate the existence of information exchange between the entities and the system.

Objective: To draw a level 1 Data Flow Diagram(DFD) is to graphically represent flow of data in an information system of above instruction.
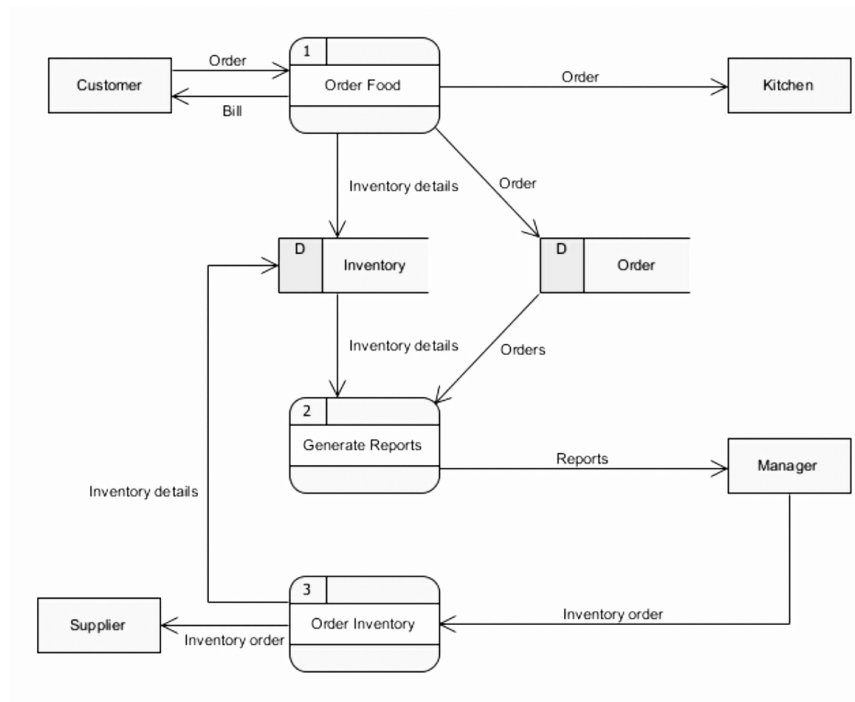
Requirement Analysis:-

Software Requirement

      1. Pages

Hardware Requirement

      1. Pc

      2. MacOS 12 or higher

Data Flow Diagram (DFD)

Level 1 DFD

In the above DFD , we have used entities for the customer, order food, kitchen, generate reports, manger, order inventory and supplier. Then we used data store for keeping records of inventory and orders made.

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			