

Assignment No. 01 (Graded) Fall 2024

CS403- Database Management System

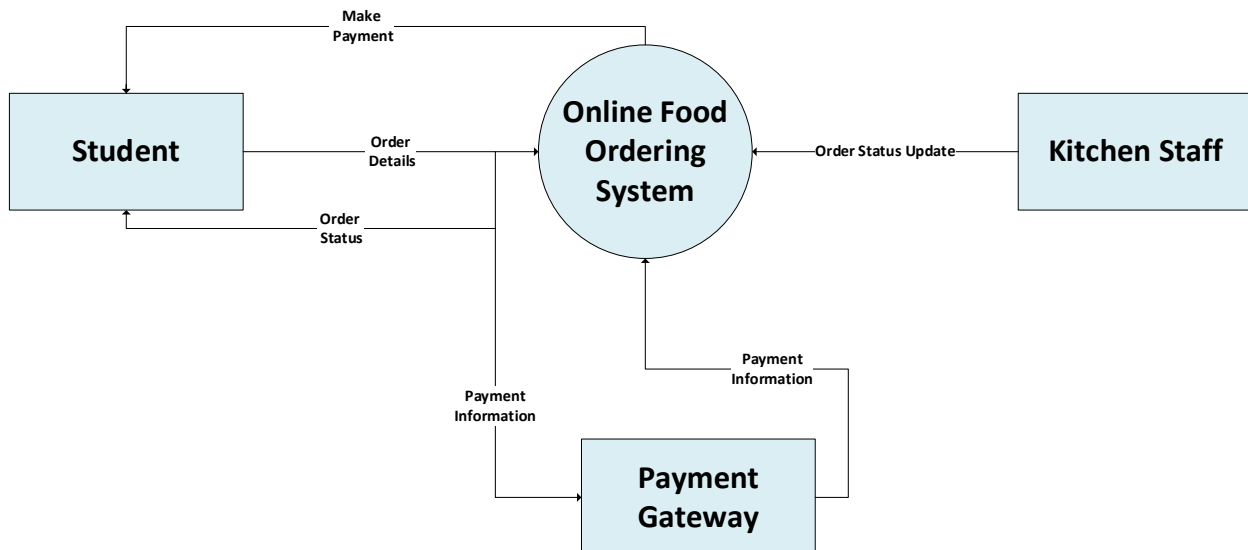
Scenario:

A university cafeteria needs an online system to handle food orders, manage inventory, and process payments. This system will allow students to place orders, make payments, and view order statuses. The kitchen staff receives the orders and updates the status when the order is prepared. The system also helps with inventory management for ingredients. The system will facilitate the following processes:

1. Order Placement: Students can place food orders through the system.
2. Payment Processing: Students can make payments for their orders.
3. Order Status Tracking: Students can view the status of their orders.
4. Order Management: Kitchen staff receive and process orders, updating their status when prepared.
5. Inventory Management: The system manages the inventory of ingredients used for food preparation.

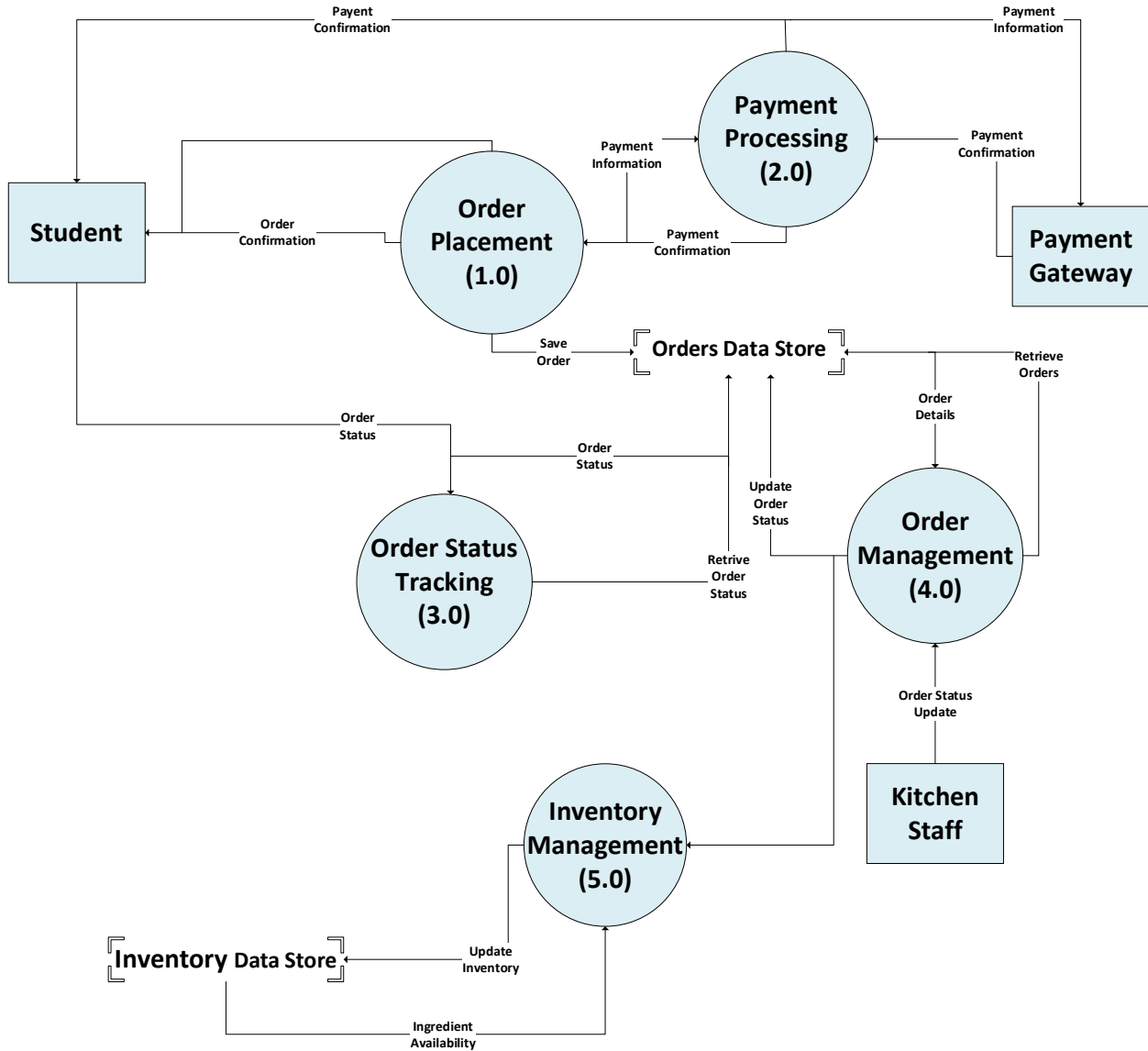
Q1: Identify the external entities and key processes present within the above scenario and draw Context Level Data Flow Diagram (DFD) to represent these components.

Solution:



Q2: Draw a Level 0 Data Flow Diagram (DFD). Include all identified processes, external entities, data stores, and data flows.

Solution:



THANK YOU