

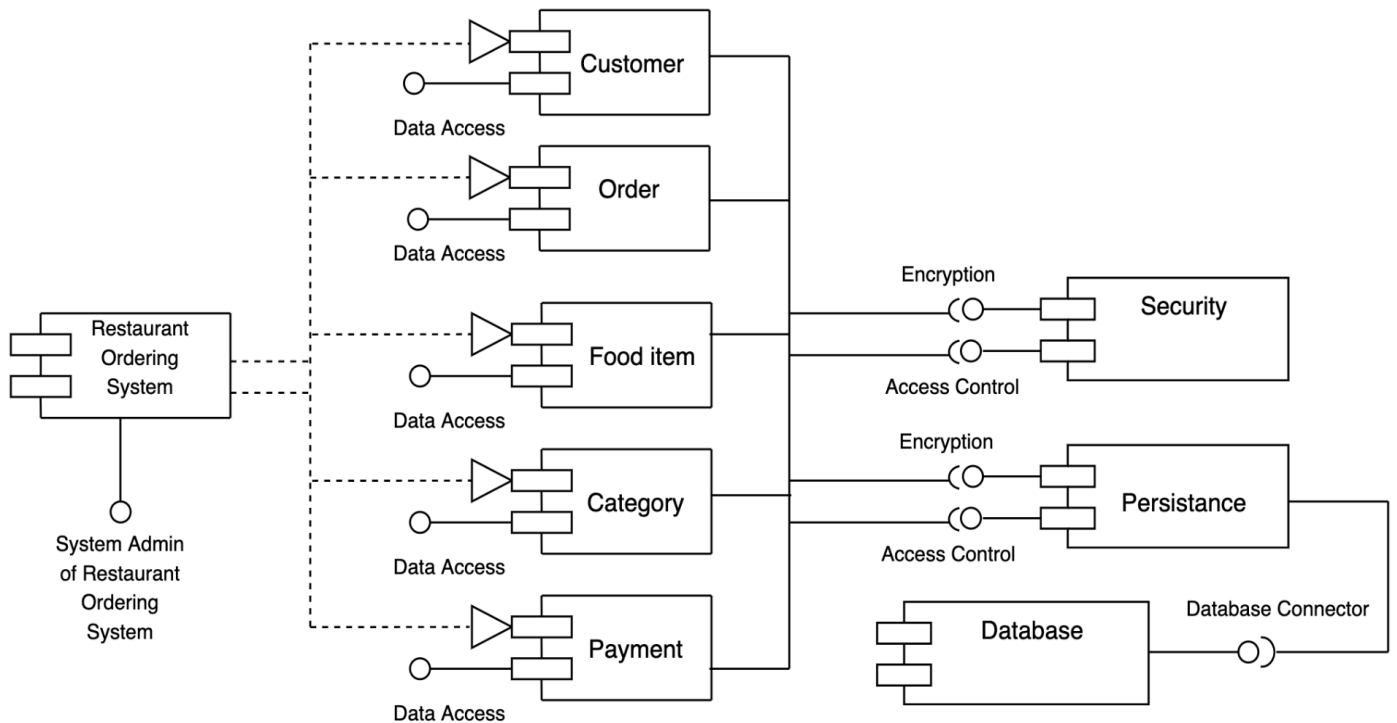
SEPM ASSIGNMENT - 6

Aim: Component, Deployment and Collaboration Diagram.

Diagrams:

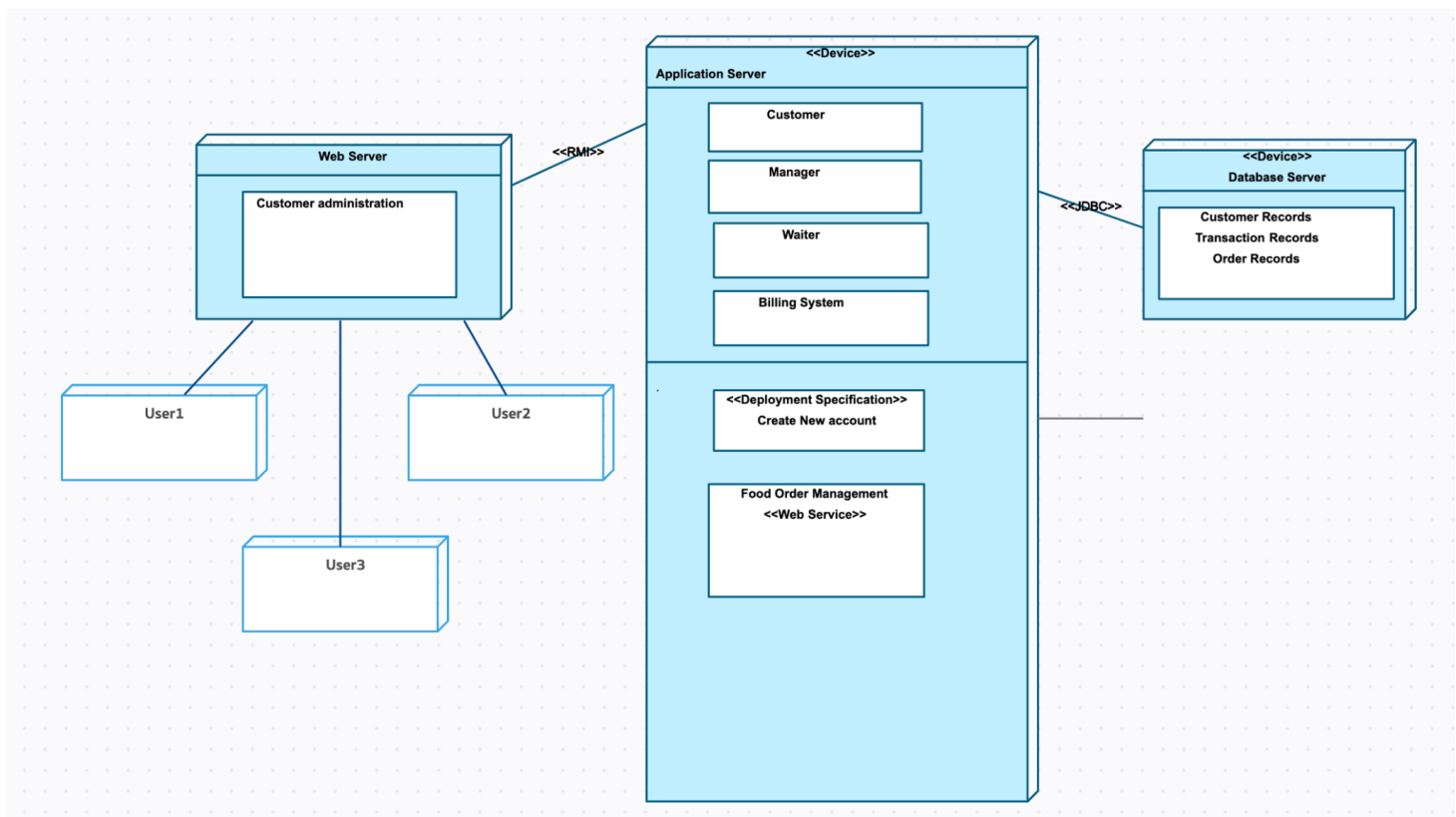
1) Component Diagram

Component diagram is a special kind of diagram in UML. The purpose is also different from all other diagrams discussed so far. It does not describe the functionality of the system but it describes the components used to make those functionalities. Component diagrams can also be described as a static implementation view of a system. Static implementation represents the organization of the components at a particular moment.



2) Deployment Diagram:

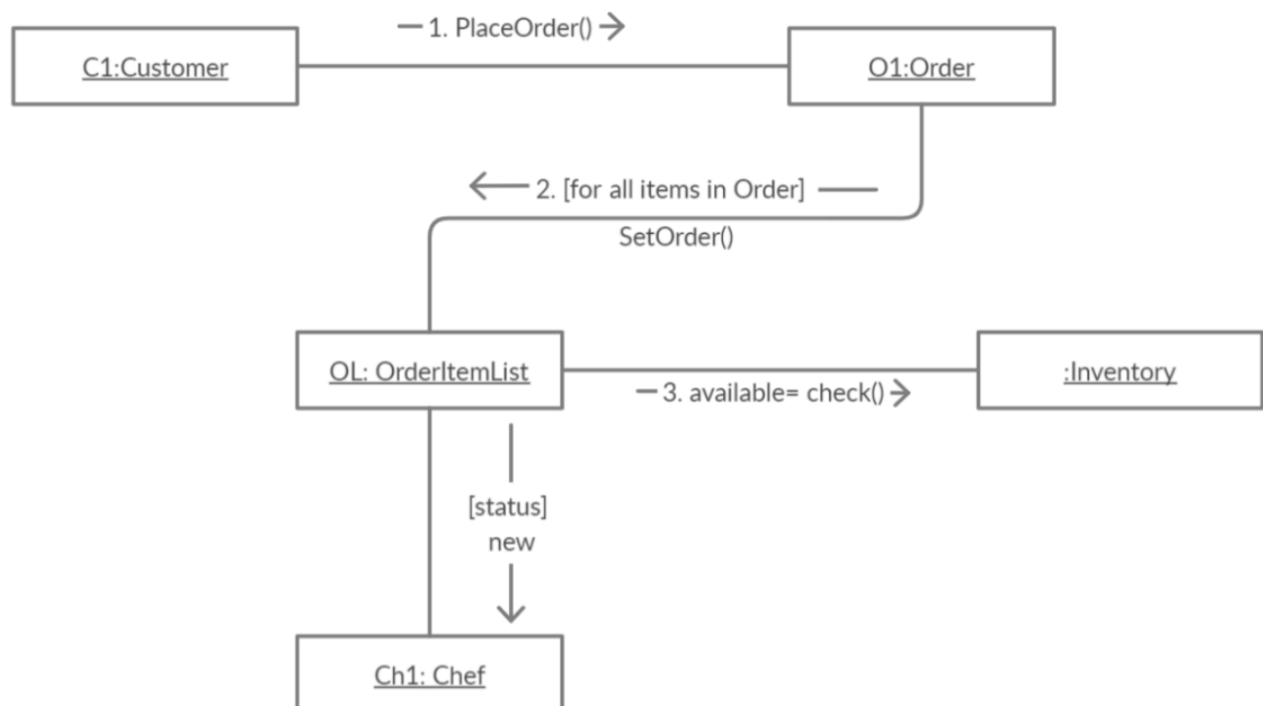
A deployment diagram is a UML diagram type that shows the execution architecture of a system, including nodes such as hardware or software execution environments, and the middleware connecting them. Deployment diagrams are typically used to visualize the physical hardware and software of a system.



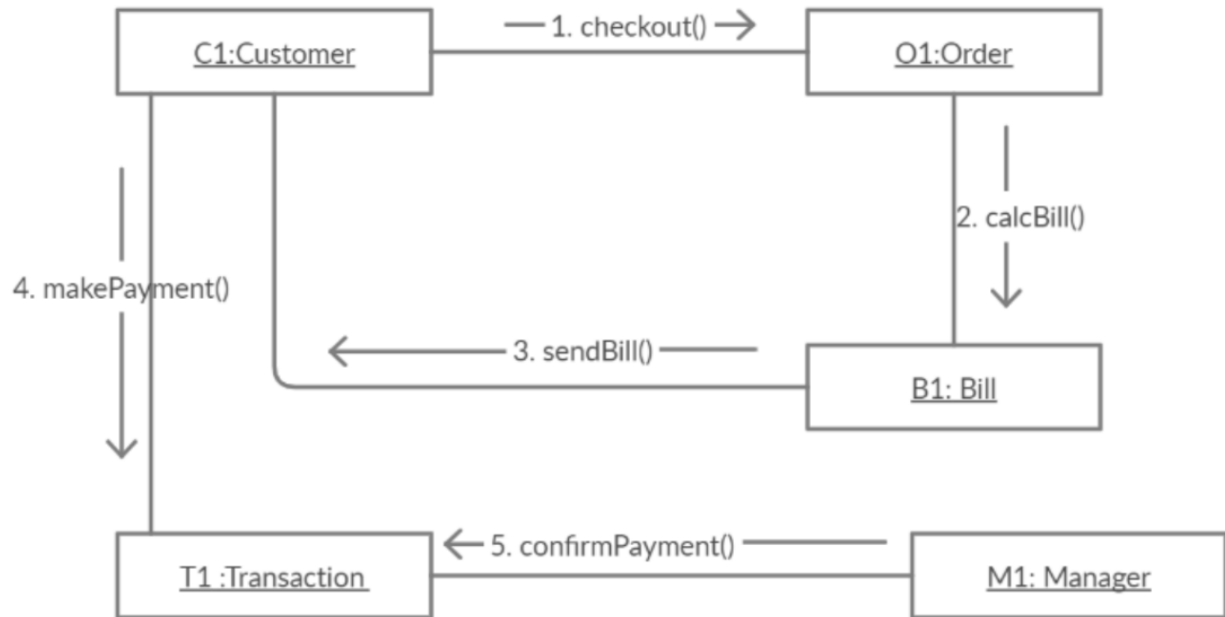
3) Collaboration Diagram:

A collaboration diagram, also known as a communication diagram, is an illustration of the relationships and interactions among software objects in the Unified Modeling Language (UML). These diagrams can be used to portray the dynamic behavior of a particular use case and define the role of each object. Collaboration diagrams are created by first identifying the structural elements required to carry out the functionality of an interaction. A model is then built using the relationships between those elements.

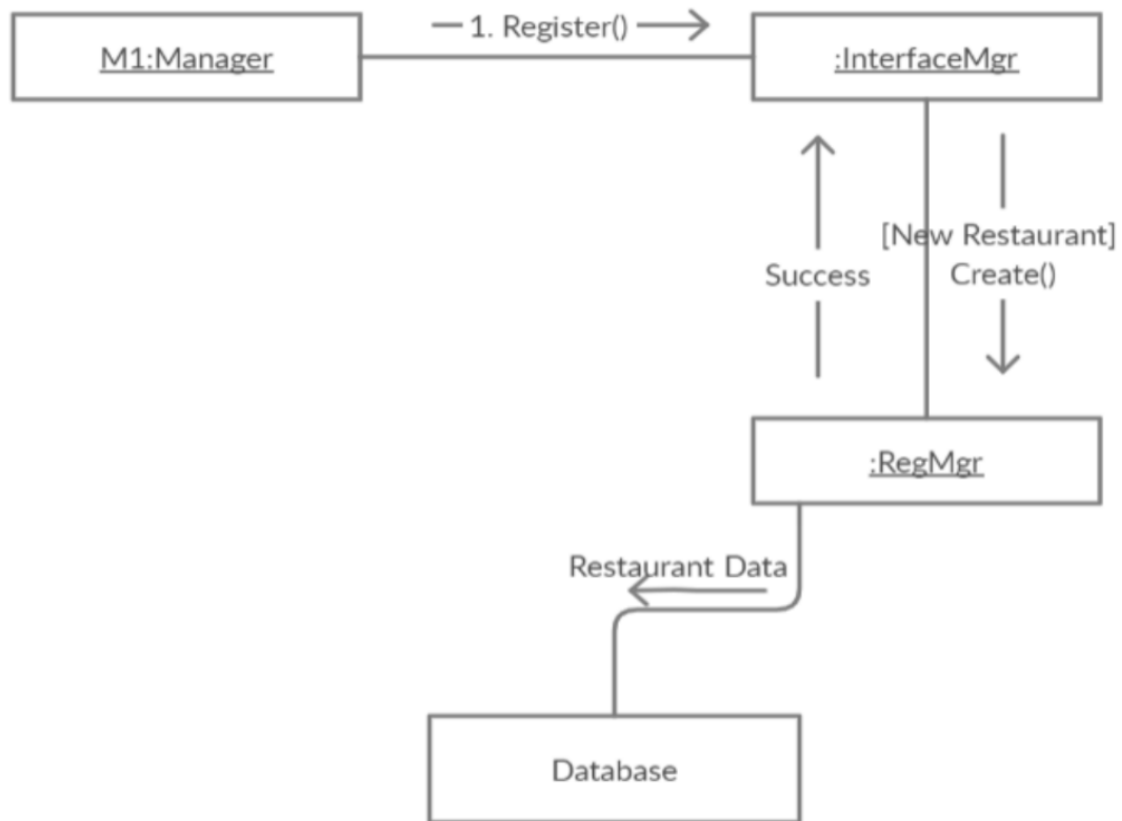
Use Case 1: Place Order



Use Case 2: Pay Bill



Use Case 3: Register Restaurant



Conclusion: Component, Deployment and Collaboration diagrams are studied.

Lab Outcome: LO2