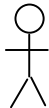


**Tutorial 9**  
Week 10

1. Discuss different symbol of Use Case Diagrams with suitable examples.

**Sample Answer:**

A use case diagram is a graphical representation of the different actors and use cases in a system and shows which actors can participate in which use cases.



Actor: a user who interacts with the system by participating in some of the use cases..



Use case: It consists of a basic course of events, and a number of alternative and exceptional courses of events. The basic course describe the normal and straightforward way in which things happen, whereas the alternative courses describe what happens when the use makes a non-standard or alternative choice or when an error occurs.



Interactions: relationships between use cases and actors.

2. Drawing a Use Case Diagram for Project A (OzPress system):
  - a) identify actors, use cases, and relationships
  - b) draw a high level user case diagram
  - c) add include/extend relationships to create a detailed use-case diagram

**Sample Answer:**

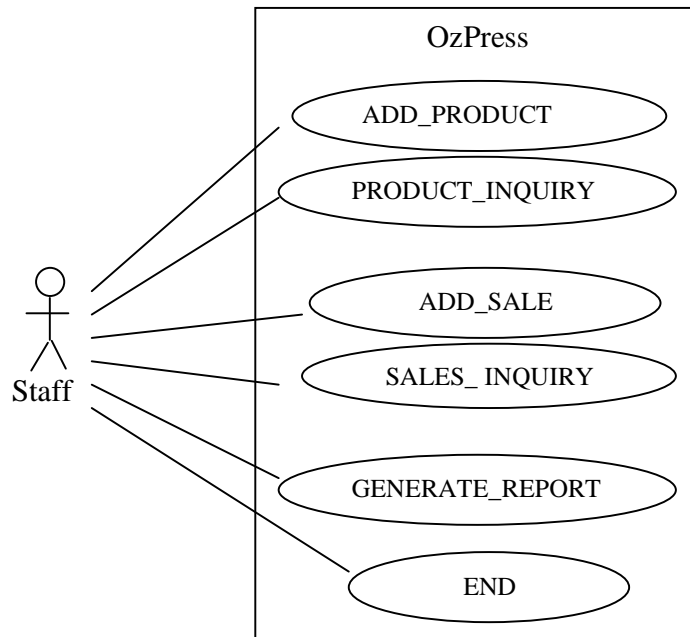
a)

Use Cases: ADD\_PRODUCT, PRODUCT\_INQUIRY, ADD\_SALE,  
SALES\_INQUIRY, GENERATE\_REPORT, END.

Actors: Staff

Interactions: Staff- ADD\_PRODUCT,  
Staff- PRODUCT\_INQUIRY,  
Staff- ADD\_SALE,  
Staff- SALES\_INQUIRY,  
Staff- GENERATE\_REPORT,  
Staff- END.

b)



c)The following is a possible use case diagram for the above system, where a Manager and a Salesperson are special kind of staff. Also, PRODUCT\_INQUIRY and SALES\_INQUIRY use-cases may extend GENERATE\_REPORT use-case.

