

Learning Activity

Activity Diagrams

Subject Code and Title	SEP401 Software Engineering Principles
Module Number	Module 3

Instructions: Draw the use case and activity diagrams for the following cases using the drawing tool you have chosen.

Case 1: ATM

Purpose:

Describe use cases that an automated teller machine (ATM) provides to the bank customers.

Summary:

Customer uses a bank ATM to check balances of his/her bank accounts, deposit funds, withdraw cash and/or transfer funds (use cases). ATM Technician provides maintenance and repairs to the ATM.

Case 2: Online Shopping

Purpose:

Provide top-level use cases for a web customer making purchases online.

Summary:

Web customer actor uses some web site to make purchases online. Top-level use cases (<https://www.uml-diagrams.org/use-case.html>) are View Items, Make Purchase and Client Register.

Case 3: Hospital Reception Subsystem

Purpose:

Describe major services (functionality) provided by a hospital's reception.

Summary:

This UML use case diagram example shows actor and use cases for a hospital's reception. **Hospital Reception** subsystem or module supports some of the many job duties of a hospital receptionist. Receptionist schedules patient's appointment and admission to the hospital, collects information from the patient by phone and/or upon patient's arrival to the hospital.

For the patient that will stay in the hospital ("inpatient") she or he should have a bed allotted in a ward. Receptionists might also receive patient's payments, record them in a database and provide receipts, file insurance claims and medical reports.