
Assignment No : 2.2

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Branch: CSE

Section/Group: 607A

Semester: 4th

Date of Assignment: 21/03/2022

Subject Name: Software Engr.

Subject Code: 22E-20CSP-255

1.

Aim: Design a use case diagram for airport check-in and security screening.

Summary: Business use cases are Individual Check-In, Group Check-In (for groups of tourists), Security Screening, etc. - representing business functions or processes taking place in an airport and serving needs of passengers.

Objective: To design a use case diagram for airport check-in and security screening.

Requirement Analysis:-

Software Requirement

1. Pages

2. MacOS 12 or higher

Hardware Requirement

1. Pc

Purpose:

It is a methodology used in system analysis to identify, clarify and organise system requirement.

Description:

UML use case diagrams are ideal for:

1. Representing the goals of system-user interactions
2. Defining and organizing functional requirements in a system
3. Specifying the context and requirements of a system
4. Modeling the basic flow of events in a use case

Use case diagram components:

Actors: The users that interact with a system. It can be a person, an organization, or an outside system that interacts with our application or system.

System: A specific sequence of actions and interactions between the actors and the system.

Goals: It is the end result of most use cases.

Use case diagram symbols and notation

Use cases: Horizontally shaped ovals that represent the different uses that a user might have.

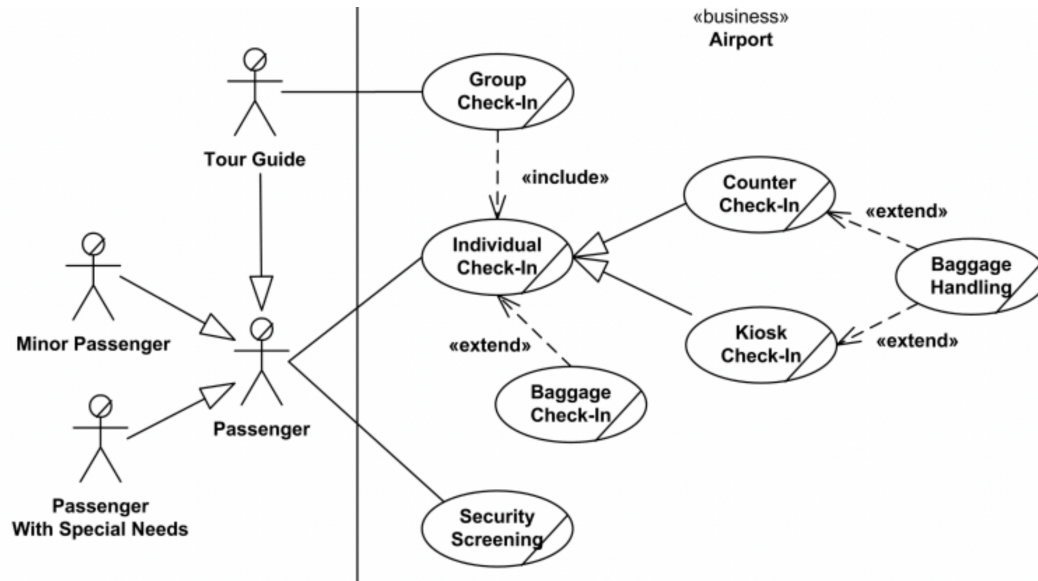
Actors: Stick figures that represent the people actually employing the use cases.

Associations: A line between actors and use cases.

System boundary boxes: A box that sets a system scope to use cases.

Packages: A UML shape that allows you to put different elements into groups.

Use Case Diagram



2.

Aim: Describe use cases that an automated teller machine (ATM) or the automatic banking machine (ABM) provides to the bank customers.

Purpose: Describe use cases that an automated teller machine (ATM) or the automatic banking machine (ABM) 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.

Objective: To describe use cases that an automated teller machine (ATM) or the automatic banking machine (ABM) provides to the bank customers.

Requirement Analysis:-

Software Requirement

1. Pages
2. MacOS 12 or higher

Hardware Requirement

1. Pc

Purpose:

It is a methodology used in system analysis to identify, clarify and organise system requirement.

Description:

UML use case diagrams are ideal for:

1. Representing the goals of system-user interactions
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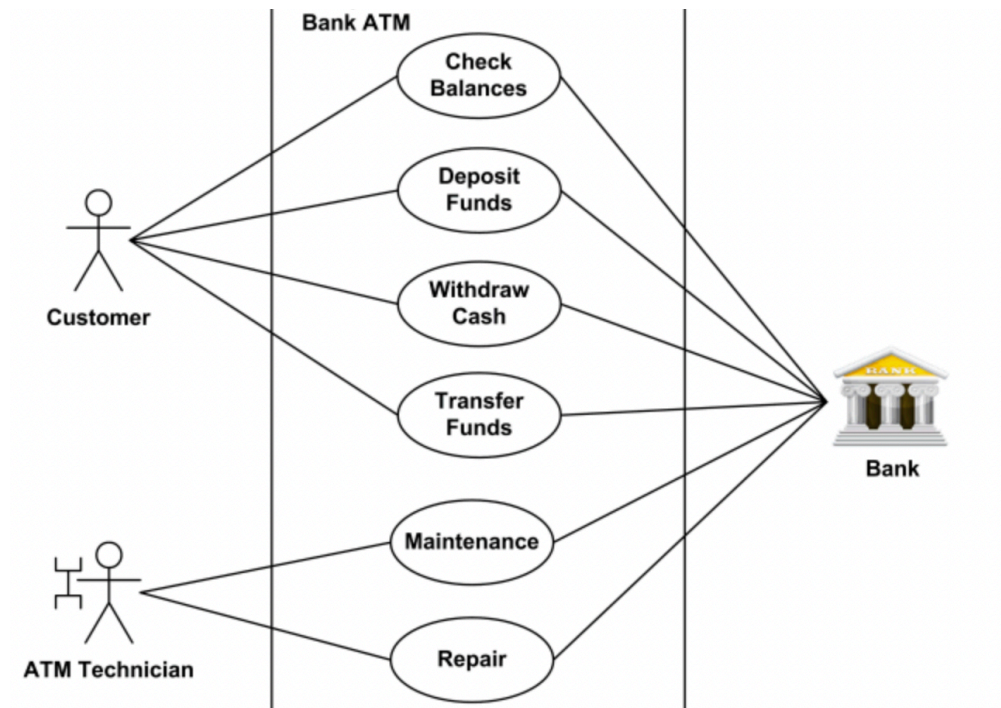
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Use Case Diagram



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.			