


# Use Cases

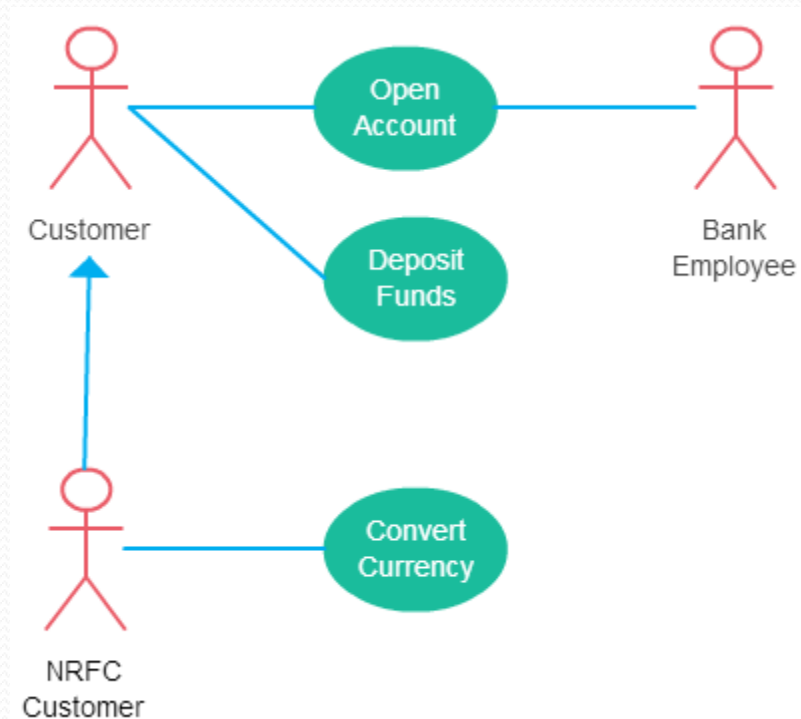
# Relationships

Relationship	Symbol	Meaning
Communicates		An actor is connected to a use case using a line with no arrowheads.
Includes	<<includes>>	A use case contains a behavior that is common to more than one other use case. The arrow points to the common use case.
Extends	<<extends>>	A different use case handles exceptions from the basic use case. The arrow points from the extended to the basic use case.
Uses	<<uses>>	One use case uses another

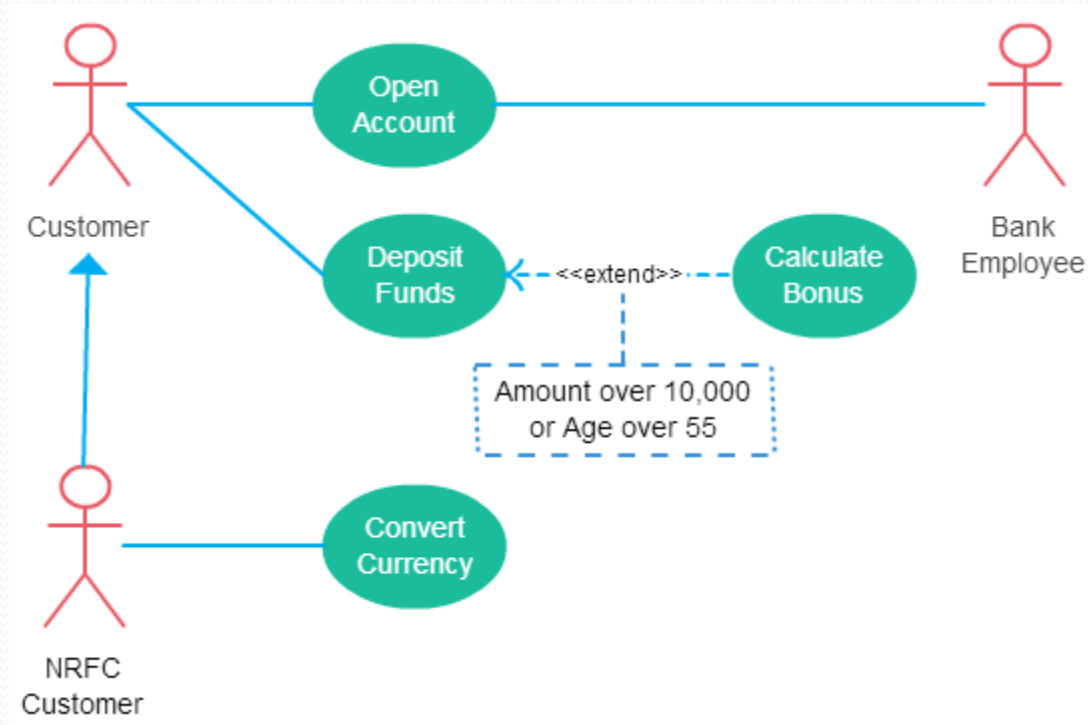
# Types of Relationship in UCD

- There can be 5 relationship types in a use case diagram.
- Association between actor and use case
- Generalization of an actor
- Extend between two use cases
- Include between two use cases
- Generalization of a use case

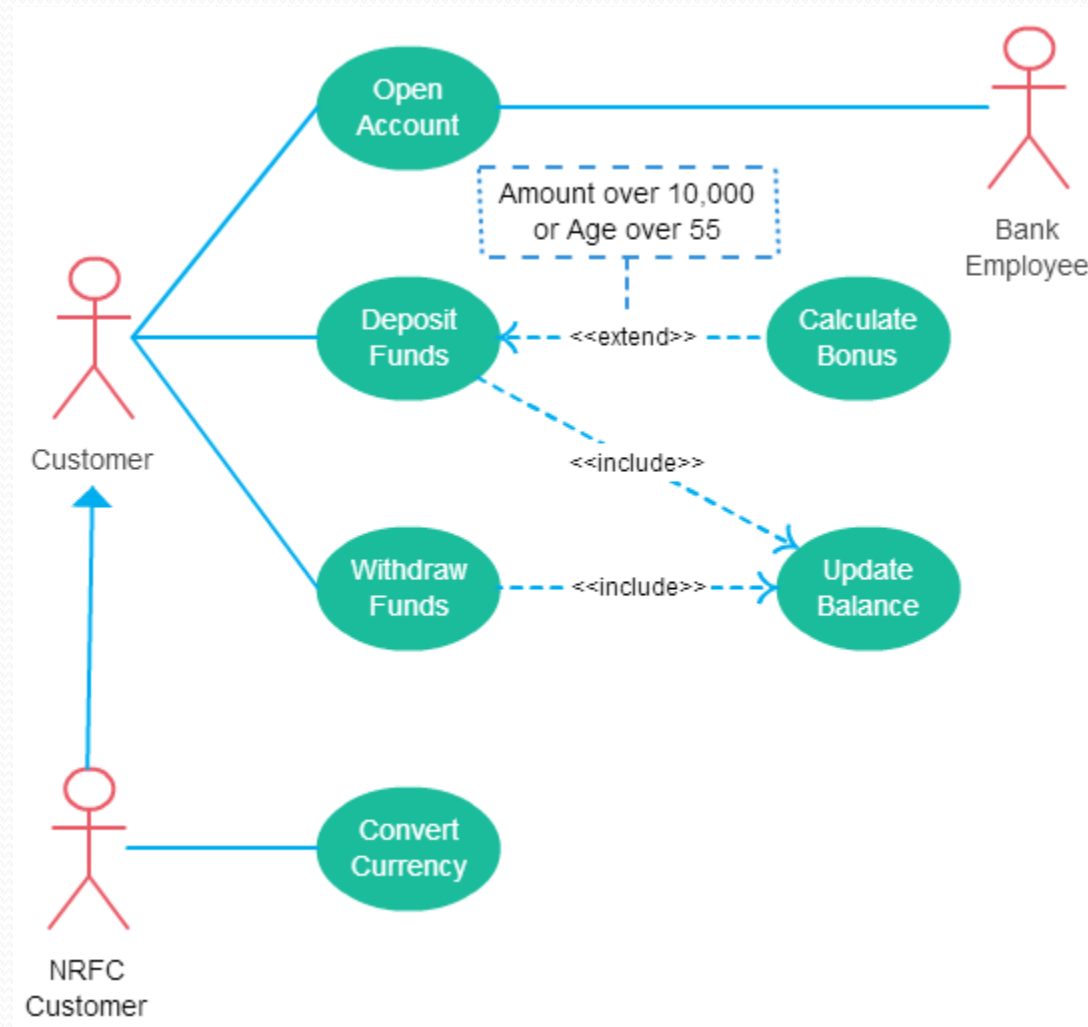
# Generalization of an actor



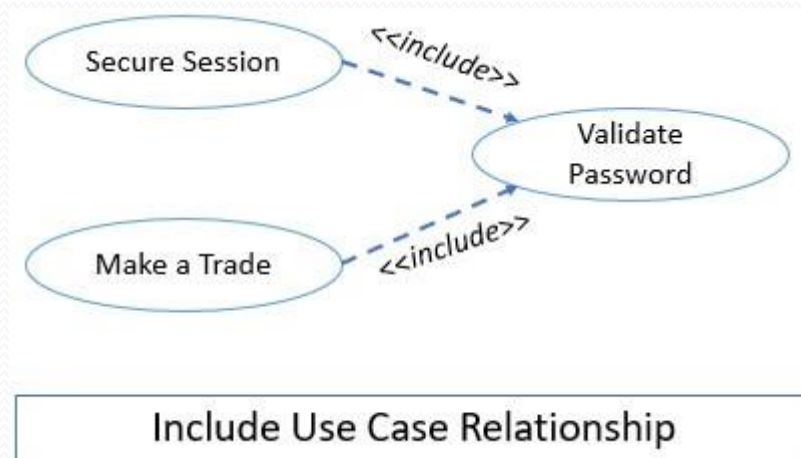
# Extend



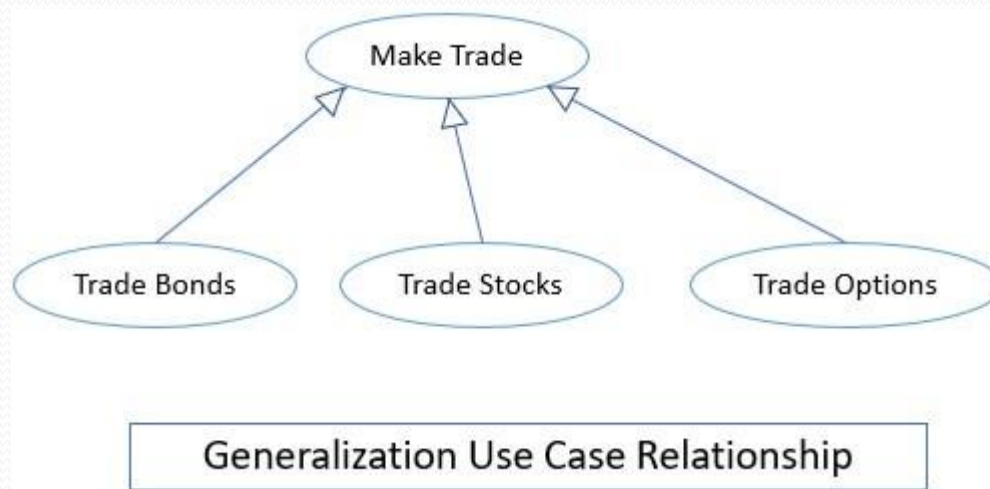
# Include



# Include

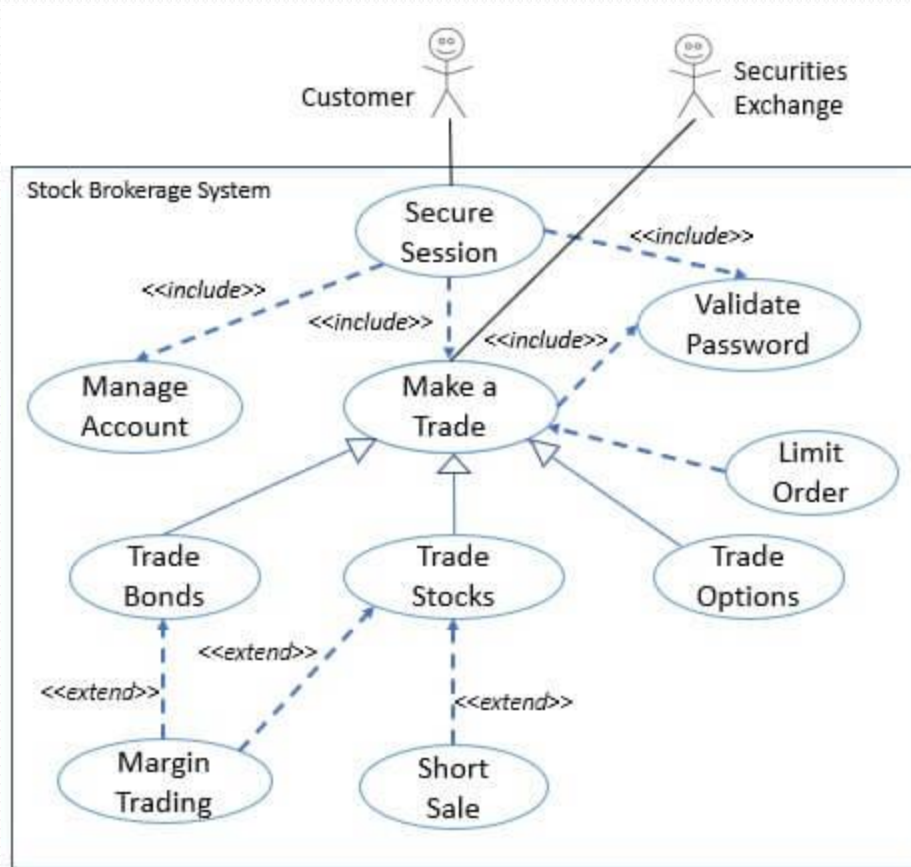


# Generalization





# Combined relationships



Combination of Use Case Relationships

# Class Activity-

1. Build UC diagram for : (A) A video rental system. Customers / Distributers register & site admin can approve the DVD catalogue.
  2. B: Build use case diagram for an online hotel reservation system. Customers and checks availability of room before booking. Receptionist books the room. Admin tracks Customer checkin / checkouts, etc. Customer can call room service and cleaning staff.
- Note: Look and identify potential actors and use case tasks. Nouns and verbs may be helpful.