

Use Case Model

Package in package 'Model'

Use Case Model

Version Phase 1.0 Proposed

HP created on 9/30/2024. Last modified 9/30/2024

Use Case Model diagram

Use Case diagram in package 'Use Case Model'

Use Case Model

Version 1.0

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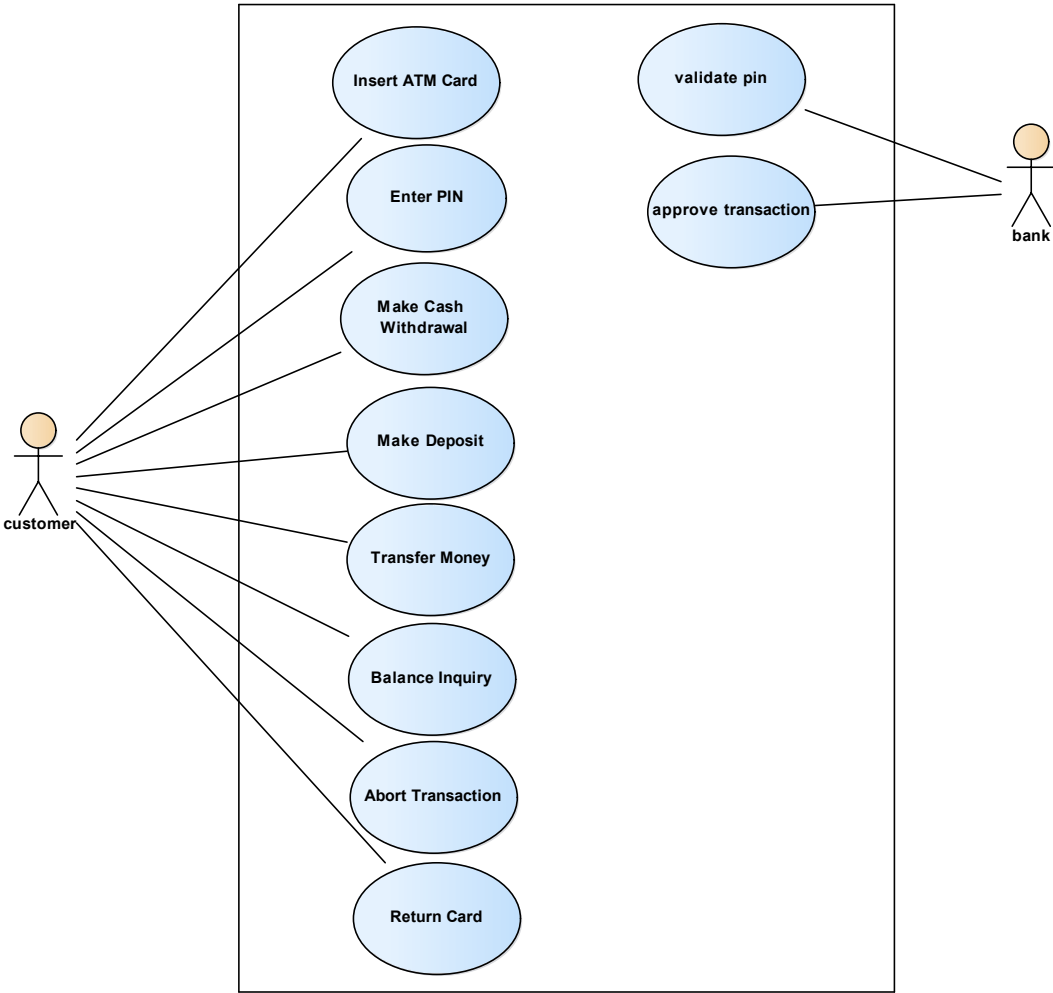


Figure 1: Use Case Model

<anonymous>

Boundary in package 'Use Case Model'

<anonymous>

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Extends

Actors

Package in package 'Use Case Model'

Actors
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Actors diagram

Use Case diagram in package 'Actors'

Actors
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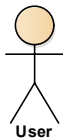





Figure 2: Actors

User

Actor in package 'Actors'

User
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OUTGOING BEHAVIORAL RELATIONSHIPS
 Sequence from User to Object1

CONNECTORS
 UseCaseLink Source -> Destination From: User : Actor, Public To: Use Case2 : UseCase, Public
 UseCaseLink Source -> Destination From: User : Actor, Public To: Use Case1 : UseCase, Public

Primary Use Cases

Package in package 'Use Case Model'

Primary Use Cases

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Primary Use Cases diagram

Use Case diagram in package 'Primary Use Cases'

Primary Use Cases

Version 1.0

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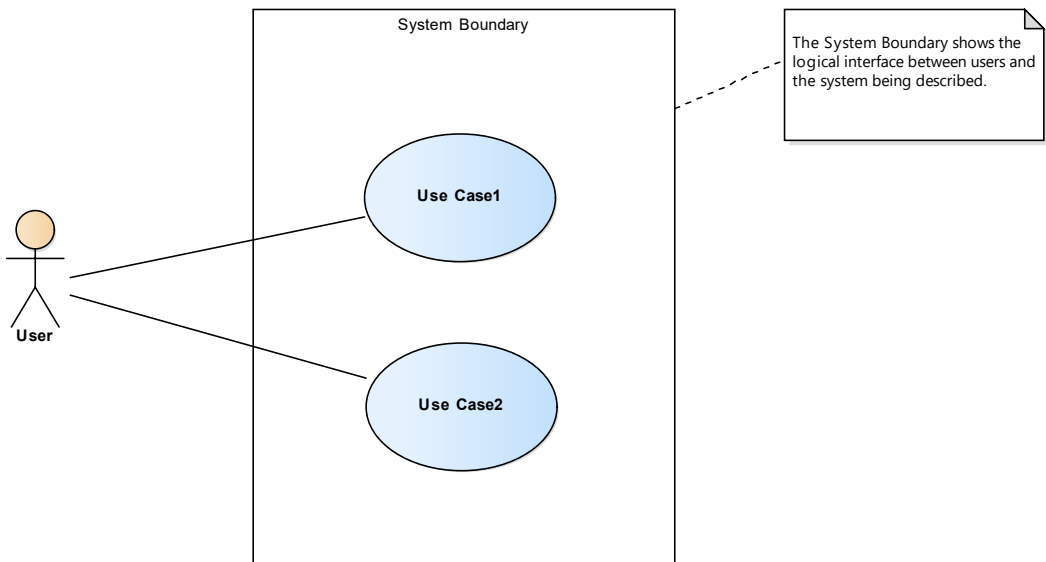


Figure 3: Primary Use Cases

User

Actor in package 'Actors'


User

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OUTGOING BEHAVIORAL RELATIONSHIPS
Sequence from User to Object1
CONNECTORS
UseCaseLink Source -> Destination From: User : Actor, Public To: Use Case2 : UseCase, Public

CONNECTORS

 **UseCaseLink** Source -> Destination
From: User : Actor, Public
To: Use Case1 : UseCase, Public

System Boundary

Boundary in package 'Primary Use Cases'

System Boundary
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Extends

Note

Note in package 'Primary Use Cases'

The System Boundary shows the logical interface between users and the system being described.


Note
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Extends

Use Case1


UseCase in package 'Primary Use Cases'

Use Case1
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ELEMENTS OWNED BY Use Case1

 Object1 : Sequence

CONNECTORS

 **UseCaseLink** Source -> Destination
From: User : Actor, Public
To: Use Case1 : UseCase, Public

Use Case1 diagram

Interaction diagram in package 'Primary Use Cases'

Use Case1

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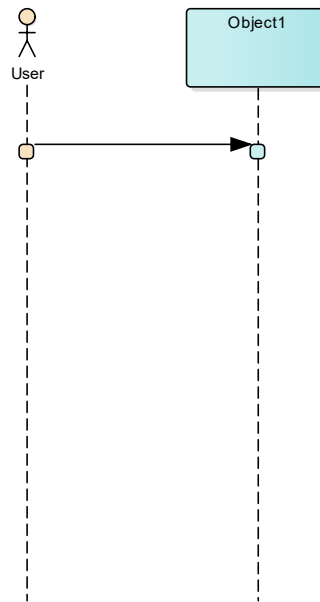


Figure 4: Use Case1

User

Actor in package 'Actors'

User


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OUTGOING BEHAVIORAL RELATIONSHIPS


 Sequence from User to Object1

CONNECTORS

 **UseCaseLink** Source -> Destination

From: User : Actor, Public

To: Use Case2 : UseCase, Public

 **UseCaseLink** Source -> Destination

From: User : Actor, Public

To: Use Case1 : UseCase, Public

INTERACTION MESSAGES

 **1.0** " from 'User' sent to 'Object1'.

Synchronous Call.

[Return is False. Iteration is False. New group is False.]

Object1

Sequence owned by 'Use Case1', in package 'Primary Use Cases'

Object1

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INCOMING BEHAVIORAL RELATIONSHIPS

➡ Sequence from User to Object1

Use Case2

UseCase in package 'Primary Use Cases'

Use Case2

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CONNECTORS

➡ **UseCaseLink** Source -> Destination
From: User : Actor, Public
To: Use Case2 : UseCase, Public

bank

Actor in package 'Use Case Model'

bank

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CONNECTORS









➡ **UseCaseLink** Source -> Destination
From: bank : Actor, Public
To: approve transaction : UseCase, Public

➡ **UseCaseLink** Source -> Destination
From: bank : Actor, Public
To: validate pin : UseCase, Public

customer

Actor in package 'Use Case Model'

customer
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CONNECTORS
 UseCaseLink Source -> Destination From: customer : Actor, Public To: Make Deposit : UseCase, Public
 UseCaseLink Source -> Destination From: customer : Actor, Public To: Transfer Money : UseCase, Public
 UseCaseLink Source -> Destination From: customer : Actor, Public To: Abort Transaction : UseCase, Public
 UseCaseLink Source -> Destination From: customer : Actor, Public To: Insert ATM Card : UseCase, Public
 UseCaseLink Source -> Destination From: customer : Actor, Public To: Return Card : UseCase, Public
 UseCaseLink Source -> Destination From: customer : Actor, Public To: Balance Inquiry : UseCase, Public
 UseCaseLink Source -> Destination From: customer : Actor, Public To: Make Cash Withdrawal : UseCase, Public
 UseCaseLink Source -> Destination From: customer : Actor, Public To: Enter PIN : UseCase, Public

Abort Transaction


UseCase in package 'Use Case Model'

The customer cancels the ongoing transaction before completion, terminating all processes.

Abort Transaction
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CONNECTORS

CONNECTORS

 **UseCaseLink** Source -> Destination
From: customer : Actor, Public
To: Abort Transaction : UseCase, Public


Balance Inquiry

UseCase in package 'Use Case Model'

The customer checks the current balance of their account via the ATM.

Balance Inquiry
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CONNECTORS

 **UseCaseLink** Source -> Destination
From: customer : Actor, Public
To: Balance Inquiry : UseCase, Public


Enter PIN

UseCase in package 'Use Case Model'

The customer inputs a Personal Identification Number to authenticate and access their account.

Enter PIN
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CONNECTORS

 **UseCaseLink** Source -> Destination
From: customer : Actor, Public
To: Enter PIN : UseCase, Public

Insert ATM Card


UseCase in package 'Use Case Model'

The customer inserts a physical card into the ATM to start a transaction.

Insert ATM Card
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CONNECTORS

CONNECTORS

 **UseCaseLink** Source -> Destination
From: customer : Actor, Public
To: Insert ATM Card : UseCase, Public


Make Cash Withdrawal

UseCase in package 'Use Case Model'

The customer requests to withdraw cash from their account after successful authentication.

Make Cash Withdrawal
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CONNECTORS

 **UseCaseLink** Source -> Destination
From: customer : Actor, Public
To: Make Cash Withdrawal : UseCase, Public


Make Deposit

UseCase in package 'Use Case Model'

The customer deposits cash or checks into their account through the ATM.

Make Deposit
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CONNECTORS

 **UseCaseLink** Source -> Destination
From: customer : Actor, Public
To: Make Deposit : UseCase, Public

Return Card


UseCase in package 'Use Case Model'

The ATM returns the card to the customer after their transaction is complete or aborted.

Return Card
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CONNECTORS

CONNECTORS

 **UseCaseLink** Source -> Destination
From: customer : Actor, Public
To: Return Card : UseCase, Public


Transfer Money

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The customer transfers funds between accounts, which may involve interactions with the bank for validation.

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CONNECTORS


 **UseCaseLink** Source -> Destination
From: customer : Actor, Public
To: Transfer Money : UseCase, Public

approve transaction

UseCase in package 'Use Case Model'

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CONNECTORS


 **UseCaseLink** Source -> Destination
From: bank : Actor, Public
To: approve transaction : UseCase, Public

validate pin

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CONNECTORS

 **UseCaseLink** Source -> Destination
From: bank : Actor, Public
To: validate pin : UseCase, Public

