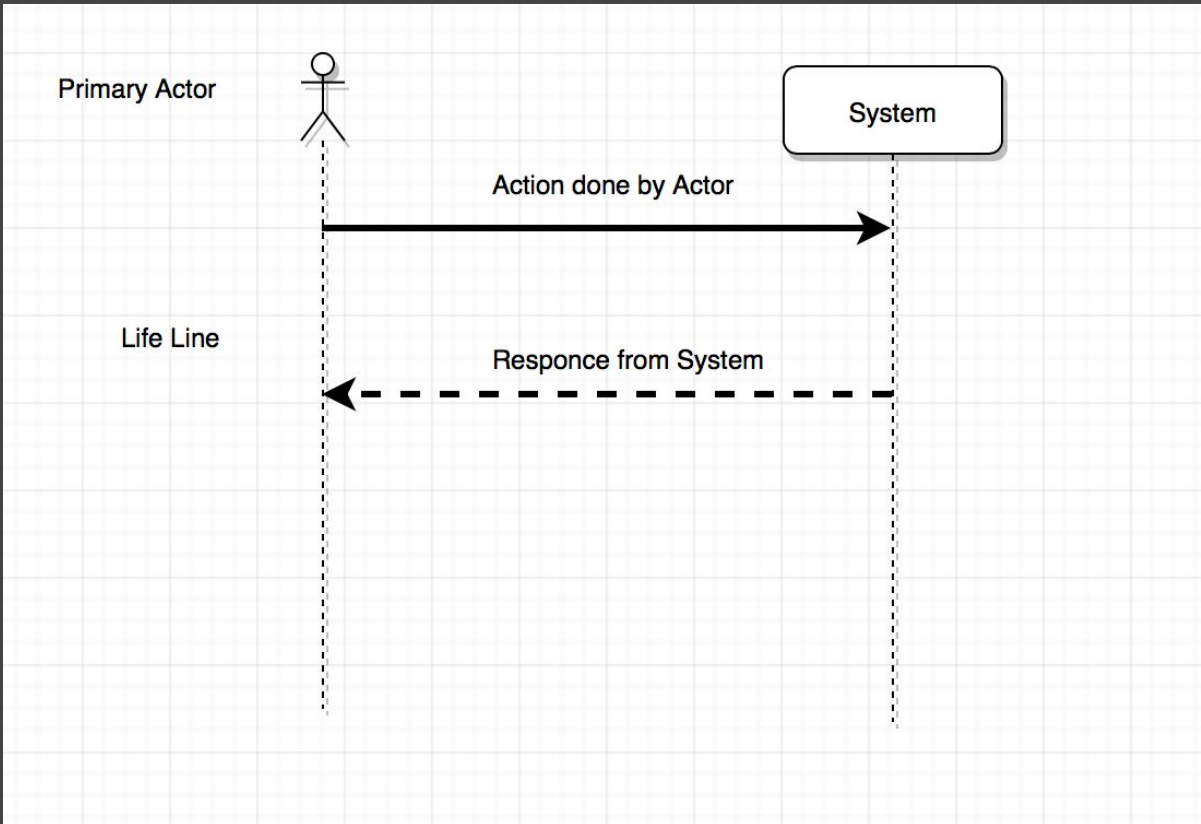


SSD - System Sequence Diagram



Bank Account

A customer opens a bank account in a bank.

After opening the account the customer can withdraw, deposit and check his balance at any time he wants. The bank charges a fee of 10kr. for every withdraw a customer makes. The Customer can not withdraw more money than is on the account including the fee. The bank also has an interest rate of 8.5%, which is used for calculating a certain amount of interest on the amount deposited by the customer.

Use Cases

UC#1: Withdraw Money

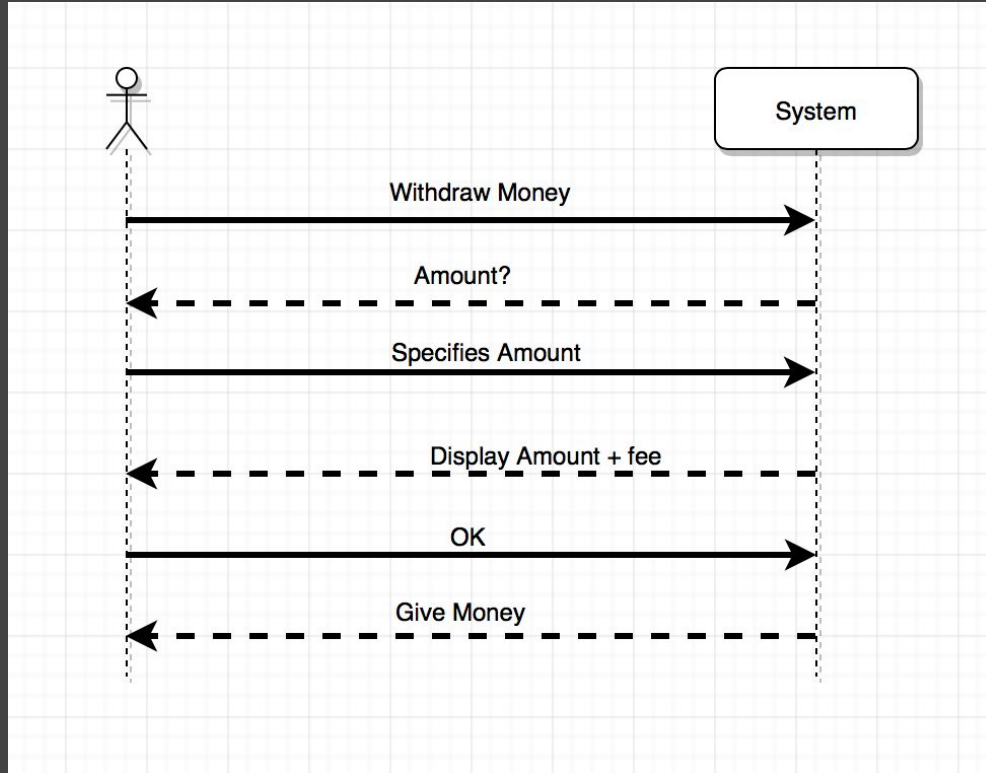
Actor: Customer

Main Success Scenario:

Customer requests to withdraw money from his account and specifies the amount.

The bank puts on a fee of 10 kr. when a withdrawal is made, so the customer gets the requested amount, and the fee is subducted on the remaining balance of the account.

SSD - UC#1: Withdraw Money



Use Cases

UC#2: Deposit Money

Actor: Customer

Main Success Scenario:

The Customer requests to deposit money. The bank calculates the interest based on the interest rate and the amount just deposited, the interest and the amount is summed. The sum is then added to the account balance.

SSD - UC#2: Deposit Money

Make this SSD in groups

Use Cases

UC#1: Withdraw Money

Actor: Customer

Main Success Scenario:

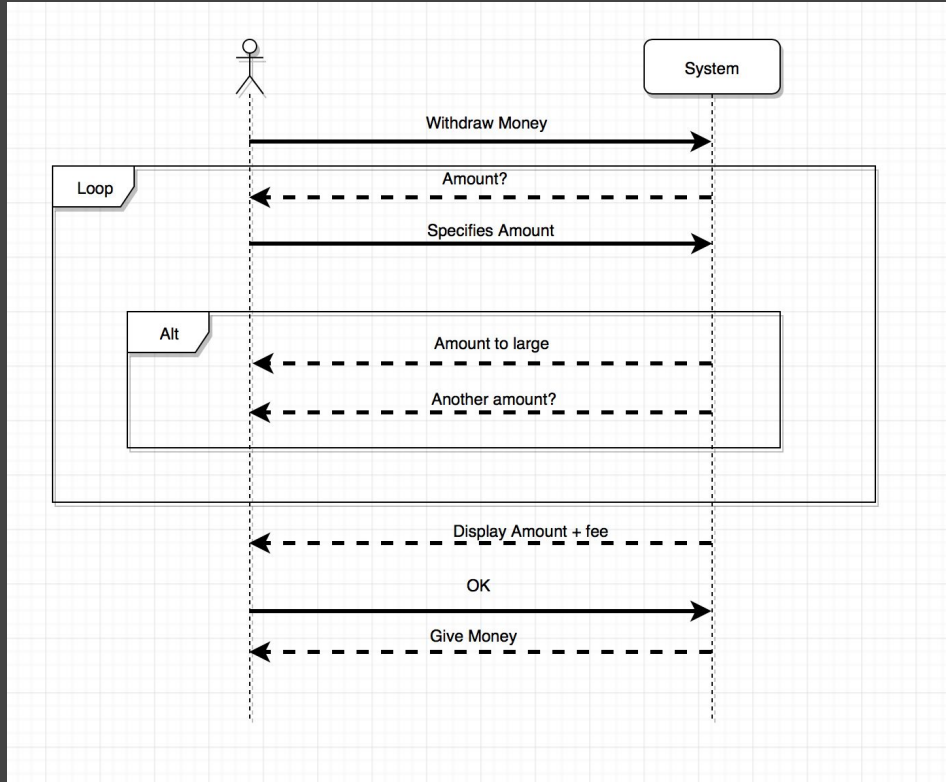
Customer requests to withdraw money from his account and specifies the amount.

The bank puts on a fee of 10 kr. when a withdrawal is made, so the customer gets the requested amount, and the fee is subducted on the remaining balance of the account.

Alternative flows:

1. If account balance is less than the requested amount + fee, a message telling the customer that he does not have the requested amount on his account is displayed. And a prompt asking if he wants to quit or withdraw another amount.
 - a. if “quit” the program closes.
 - b. if “withdraw another amount” goto main success scenario

SSD - UC#1: Withdraw Money



Use Cases

UC#2: Deposit Money

Actor: Customer

Main Success Scenario:

The Customer requests to deposit money. The bank calculates the interest based on the interest rate and the amount just deposited, the interest and the amount is summed. The sum is then added to the account balance.

Alternative flow:

1. If an amount of larger than 30000kr is deposited, the bank informs authorities.
2. If account is in minus. The account is temporarily closed and the customer can not deposit money.

SSD - UC#2: Deposit Money

Make this SSD in groups