

## Use Case Example



Object-Oriented Analysis and Design  
CSCI 6448 - Fall 1998  
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## Banking

- Actors
  - Customers
  - Tellers
  - Account Managers
  - Loan Officer
  - Bank Manager

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## Brainstorming a domain model

- Checking account
- Savings account
- Money Market
- CDs
- Transaction
- Securities
- Bounced Checks
- ATM
- Transfers
- Balance
- Shares
- Overdraft Protection
- Credit Cards
- Deposit Slips
- Bank Fees
- ATM Surcharge

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## User Goals: Customer

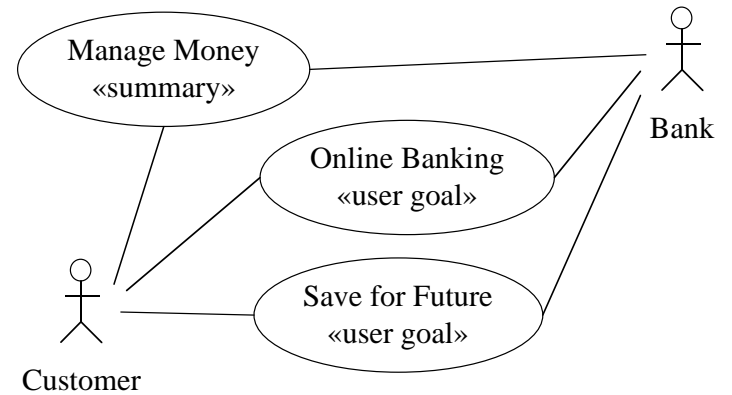
- Manage Money
- Save for Future
  - Safekeeping of Money
  - Predictable Return on Investments
- Quick Access to \$\$
- Borrow Money
- Online banking?

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## Goals for Other Users

- Tellers
  - Provide High Quality of Service
- Loan Officer
  - Conduct Accurate Risk Assessment
- Bank Manager
  - Receive up-to-the-minute status information

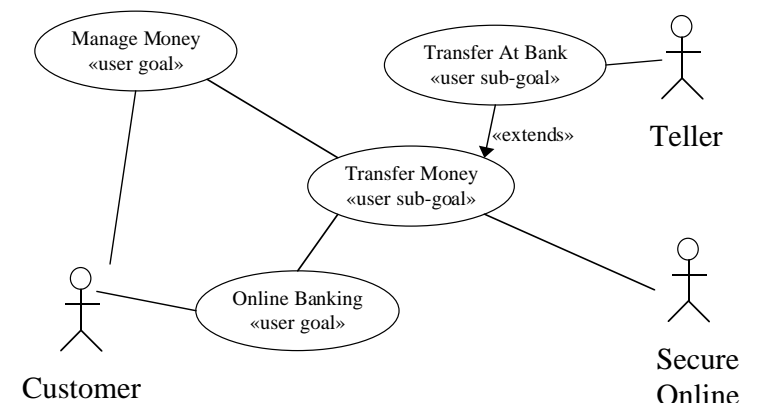
## Start at a high level



## Manage Money breakdown

- Transfer Money
- Make Deposits
- Write Checks
- Receive statements
- ...

## Start to Decompose





## Transfer Money : Example

- Goal in Context
  - As part of managing their money, users need to be able to transfer money from one account to another
- Scope
  - Bank
- Level
  - User Sub-Goal

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## Example, continued

- Preconditions
  - User has more than one account
  - The source account must have a balance over the account minimums
- Success End Conditions
  - The specified amount has been deducted from the source account and added to the target account

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## Example, continued

- Primary Actor
  - Customer
- Possible Scenarios
  - The transfer is successful
  - The transfer fails
    - Only has one account
    - Insufficient funds
      - Account minimum exceeded

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## Example, continued

- Secondary Actors
  - Online Banking System
- Related Use Cases
  - Transfer Money at Bank
    - Additional scenarios may be required
      - Customer Identification
      - Customer Signatures
      - Waiting in line, etc...

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