

Group 5:

Online Banking App

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Agenda

- ❑ Problem Overview
- ❑ Key Design Elements
- ❑ Solution Structure
- ❑ Client & Manager: Composition
- ❑ Database: closer look
- ❑ Accounts: types & composition
- ❑ Portfolio of securities: structure
- ❑ Testing the previous app



Problem Overview

Create an online bank platform where **customers** can create checking and savings **accounts**, maintain deposits in at least three **different currencies**, take out **loans**, open a **portfolio** and invest in securities.

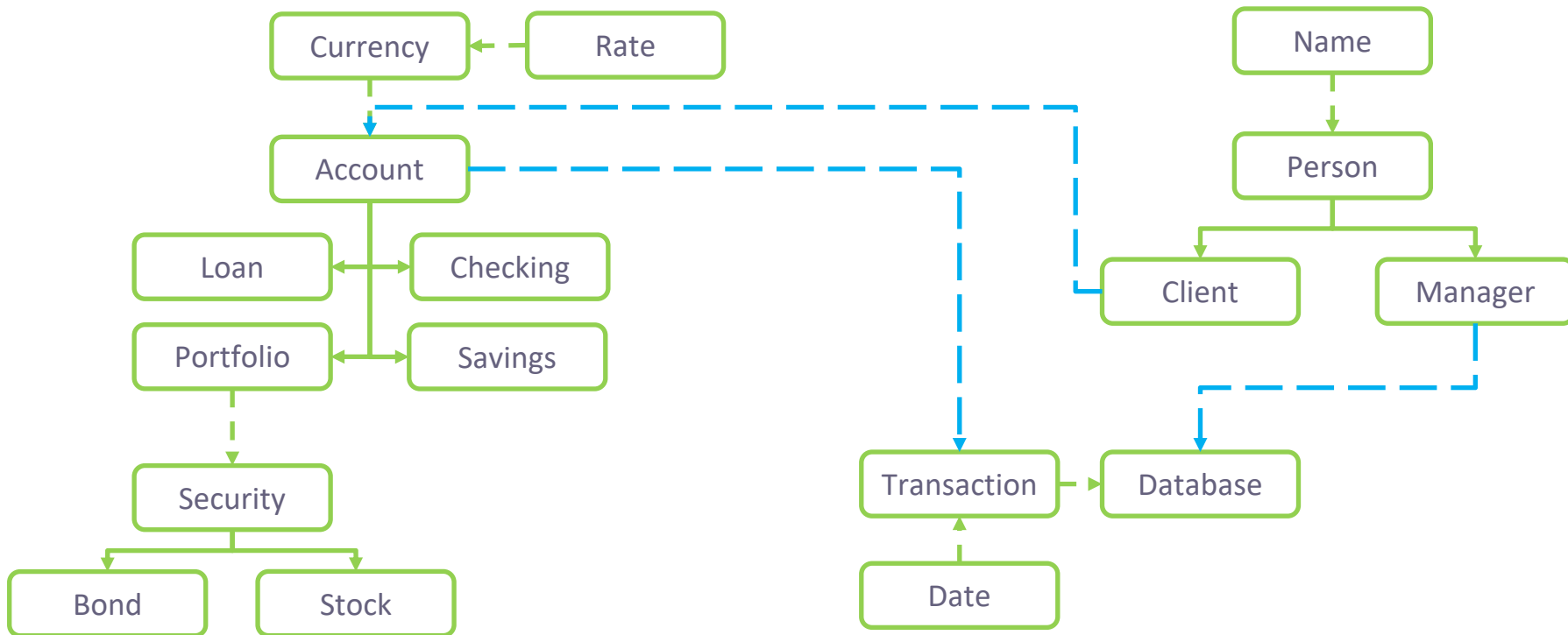
The bank manager has the ability to **approve loans**, update **securities** prices, access historical **transactional data** and **get information** about specific customers.



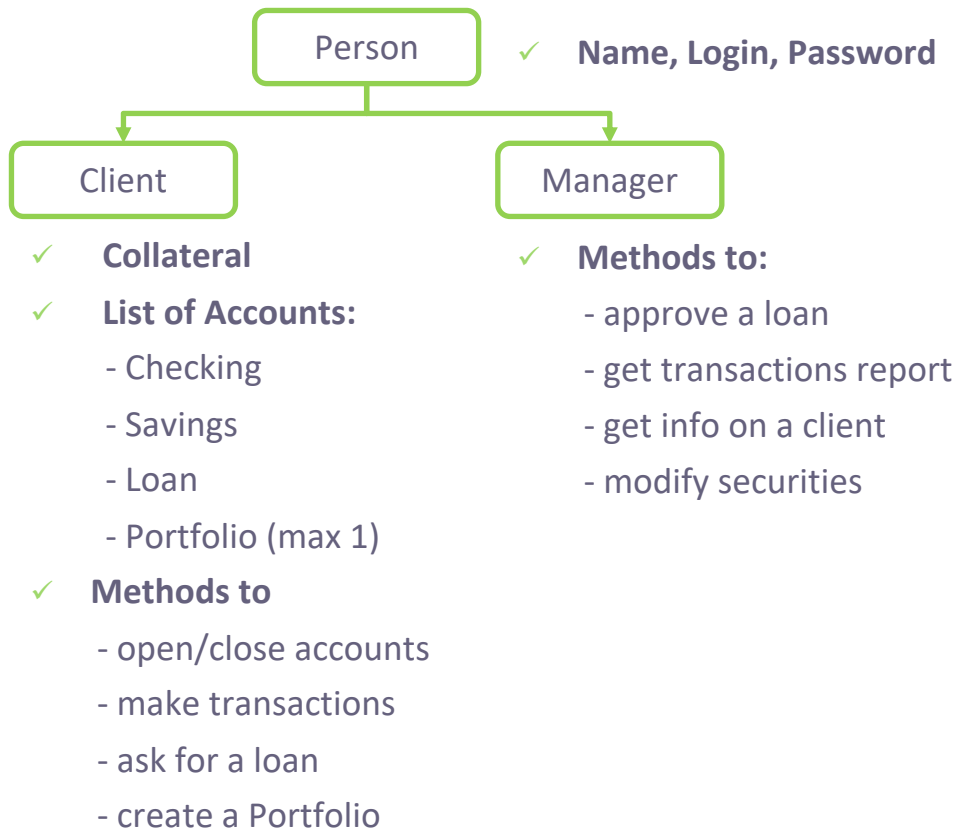
Key Design Elements



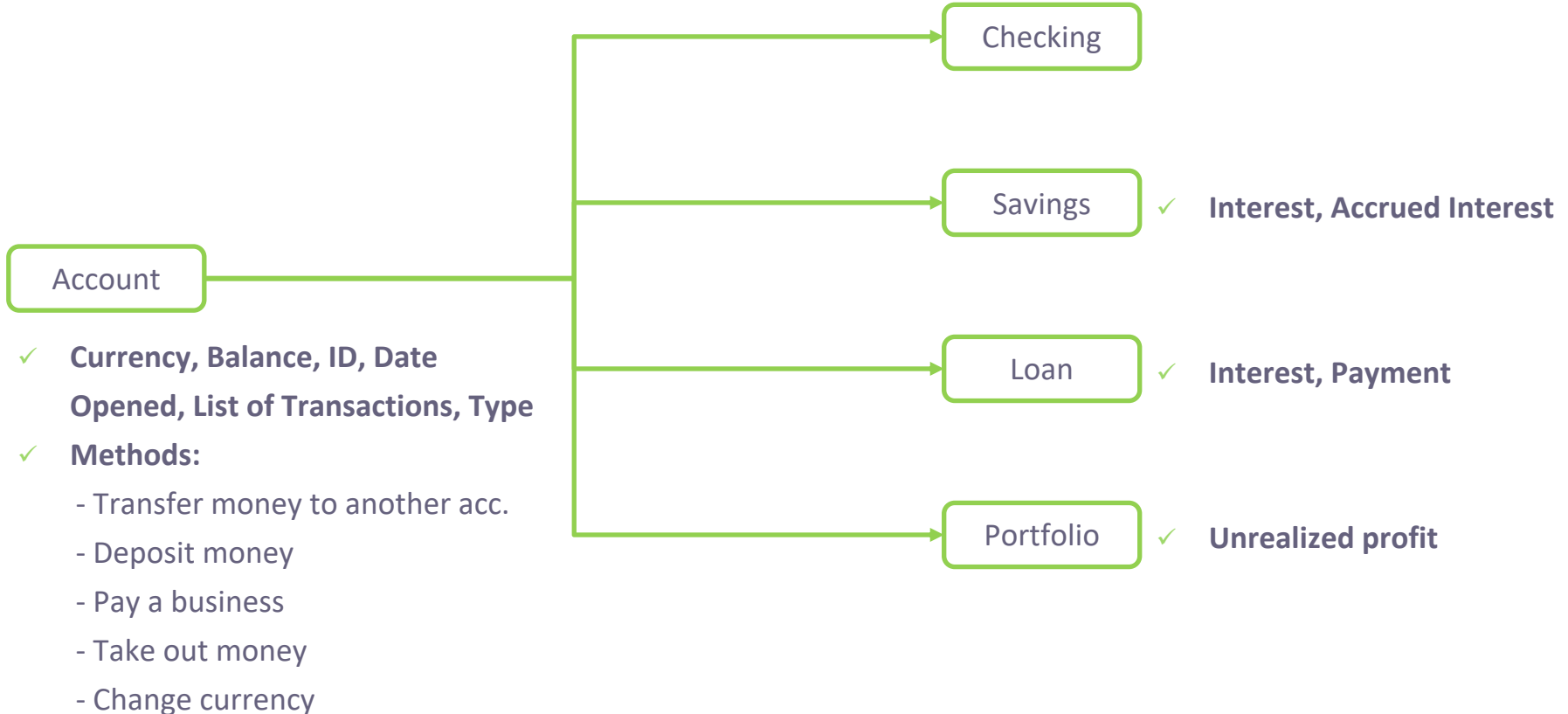
Overall Design Structure



Client & Manager



Accounts



Database

Account Info

- ✓ User ID
- ✓ Type
- ✓ Balance
- ✓ Currency

Bank Info

- ✓ Transactions

Securities Info

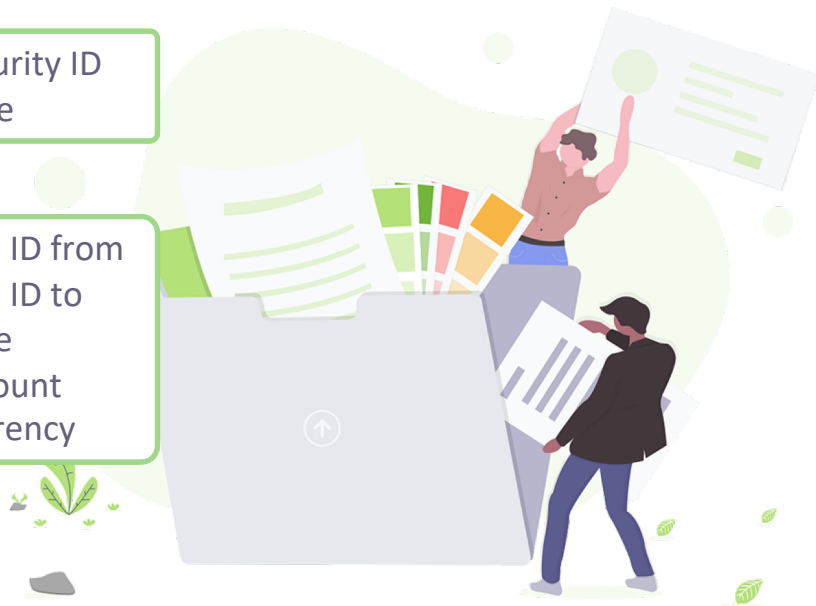
- ✓ Security ID
- ✓ Price

Client Info

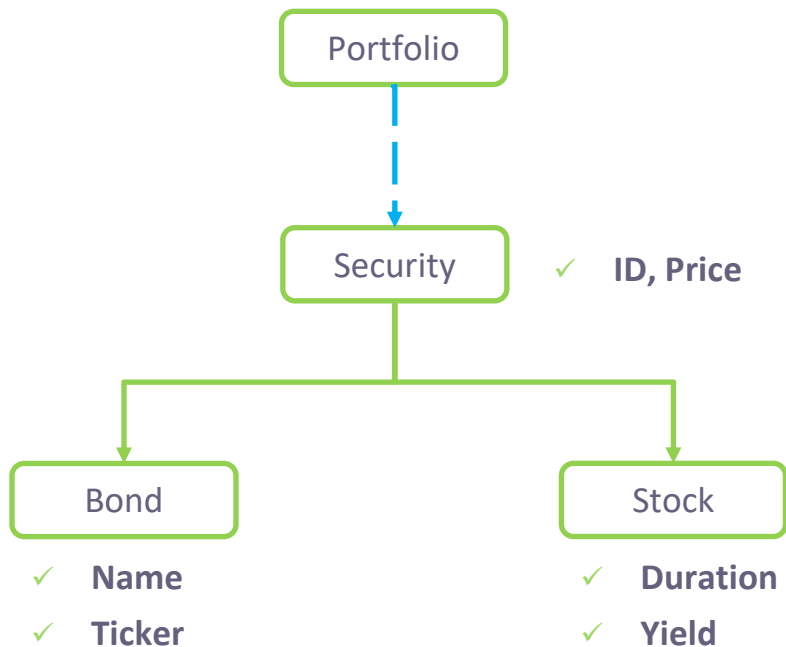
- ✓ First name
- ✓ Middle name
- ✓ Last name
- ✓ User ID
- ✓ Login
- ✓ Password

Transaction Info

- ✓ Acc. ID from
- ✓ Acc. ID to
- ✓ Type
- ✓ Amount
- ✓ Currency



Portfolio & Securities



Previous Model Demo



Thank you!

