

# Classes

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- \* BasicAccount
- \* Account
- \* WithdrawableAccount extends BasicAccount
- \* DepositableAccount extends BasicAccount
- \* InterestableAccount extends BasicAccount
- \* FullFunctionalAccount extends WithdrawableAccount, DepositableAccount, InterestableAccount
- \* CheckingAccount extends Account implements FullFunctionalAccount
- \* SavingAccount extends Account implements InterestableAccount
- \* CDAccount extends Account implements WithdrawableAccount
- \* LoanAccount extends Account implements DepositableAccount

## CheckingAccount

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Interest is computed daily; there's no fee for withdraw; there is a minimum balance of \$1000.

## SavingAccount

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Saving: monthly interest; fee of \$1 for every transaction, except the first three per month are free; no minimum balance

## CDAccount

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CD: monthly interest; fixed amount and duration (e.g., you can open 1 12-month CD for \$5000; for the next 12 months you can't deposit anything and withdrawals cost a \$250 fee); at the end of the duration the interest payments stop and you can withdraw w/o fee.

## LoanAccount

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Loan: like a saving account, but the balance is "negative" (you owe the bank money, so a deposit will reduce the amount of the loan); you can't withdraw (i.e., loan more money) but of course you can deposit (i.e., pay off part of the loan)

