

## Figure 1: Example data definitions

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**Name:** Customer

**Type:** Entity

**Description:** A Customer is any individual, group of individuals, or organization owning an account.

**Owner:** The Customer's type determines its ownership. For example, the Corporate group owns customers owning corporate accounts whereas the Consumer group owns customers owning personal accounts.

**Example Values:** n/a

**Valid Values:** n/a

**Uniqueness:** n/a

**Is Required:** n/a

**Constraints:** The accounts owned by a customer must all be of the same type.

**Relationships:** Each Customer owns one or more accounts.

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**Name:** Customer.type

**Type:** Attribute

**Description:** Customer Type categorizes a customer by determining its ownership and type of accounts it can possess.

**Owner:** The Customer's type determines its ownership. For example, the Corporate group owns customers possessing corporate accounts whereas the Consumer group owns customers possessing personal accounts.

**Example Values:** Corporate

**Valid Values:** Corporate, Consumer, Nonprofit

**Uniqueness:** no

**Is Required:** yes

**Constraints:** none

**Relationships:** none

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**Name:** Checking Account

**Type:** Entity

**Description:** An Account is an arrangement through which a customer manages money within the bank.

**Owner:** The type of customer possessing the account derives ownership of Account information. For example, the Corporate group owns customers owning corporate accounts whereas the Consumer group owns customers owning personal accounts.

**Example Values:** n/a

**Valid Values:** n/a

**Uniqueness:** n/a

**Is Required:** n/a

**Constraints:** A single customer owns an Account.

**Relationships:** A Customer can own one or more accounts.

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**Name:** Checking Account.balance

**Type:** Attribute

**Description:** An account's balance describes its monetary value.

**Owner:** The type of customer possessing the account derives ownership of Account information. For example, the Corporate group owns customers owning corporate accounts whereas the Consumer group owns customers owning personal accounts.

**Example Values:** 100.99, 100.00, 0.00

**Valid Values:** any numeric value expressed in dollars and cents.

**Uniqueness:** none

**Is Required:** yes

**Constraints:** the balance must always be greater than or equal to zero.

**Relationships:** n/a

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