

Subdomains

Objectives

- IT project's primary focus is on the core domain and domain logic
- Break a unified model into smaller more manageable models
- Iterative improvements to the model to solve a domain problem

Objectives

Domain Driven Design approach provides principles and patterns to address the challenges faced with developing complex domain models

Subdomains

A business domain is composed of multiple subdomains



Subdomains

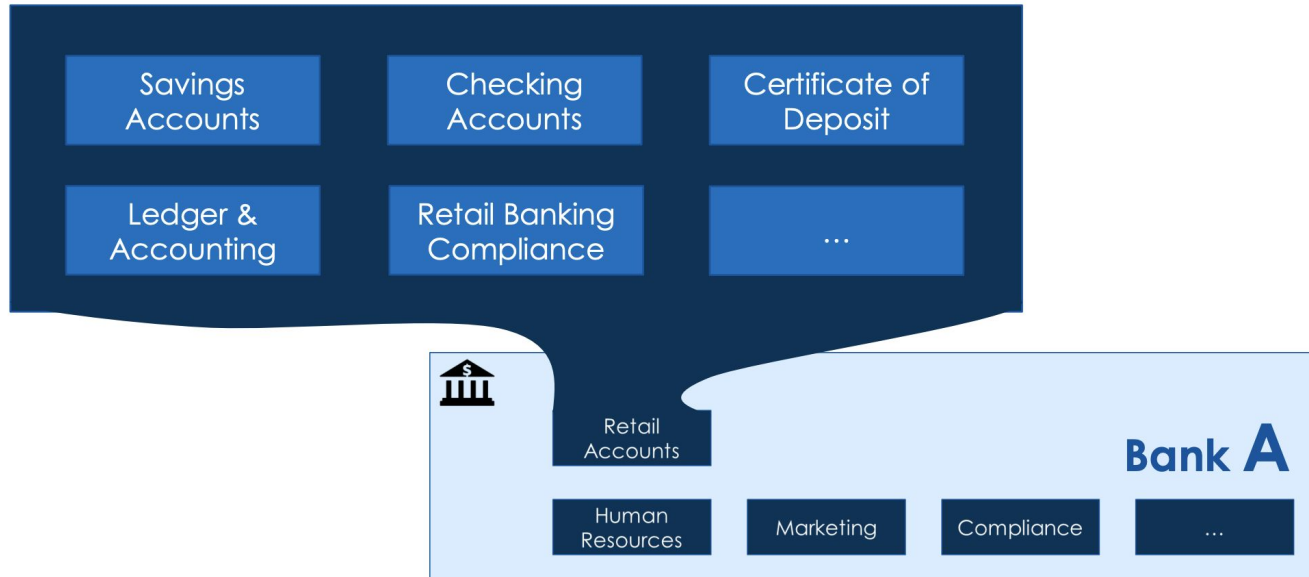
Sub-Domains are specific to the Enterprise

Business may not operate in all sub domains in that overarching domain (industry)



Subdomains Granularity

Depends on the focus of the business



Subdomain Complexity

Each Sub-Domain has a different level of complexity

Business Rules

Compliance

Complex
Calculations

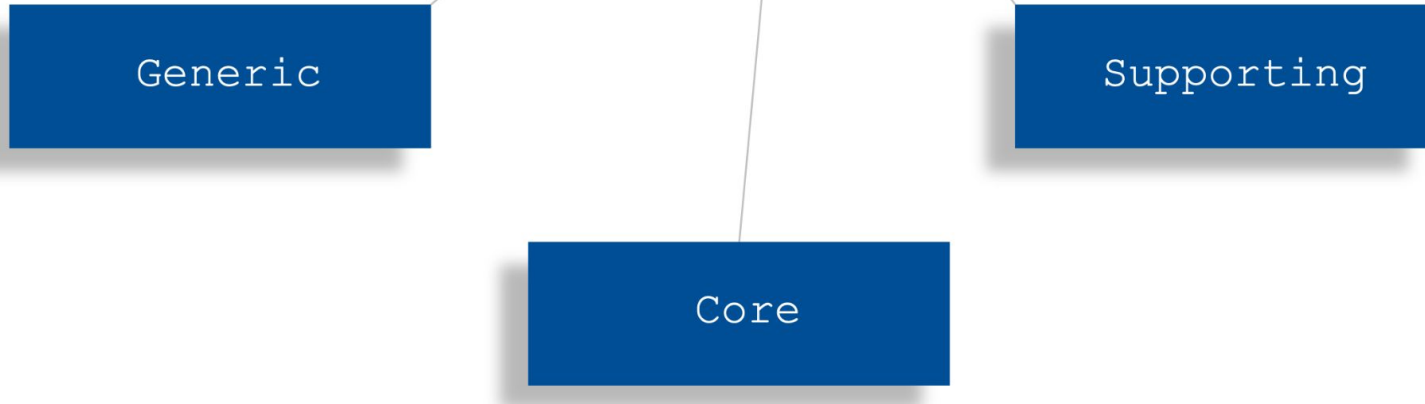
Process &
Handovers

Dynamicity

...

Subdomain Categories

Sub-domains are categorized into 3 types based on their complexity & business value



Generic Subdomain

Known solutions exist for such subdomains



Generic

- Nothing special about these subdomains
- Best practices are available
- NO business advantage in re inventing the wheel

Core Subdomain

This is the Differentiator for the business



Core

- Secret sauce is in the core subdomain
- Business looks for ways to get competitive advantage
- Fast pace & ever evolving

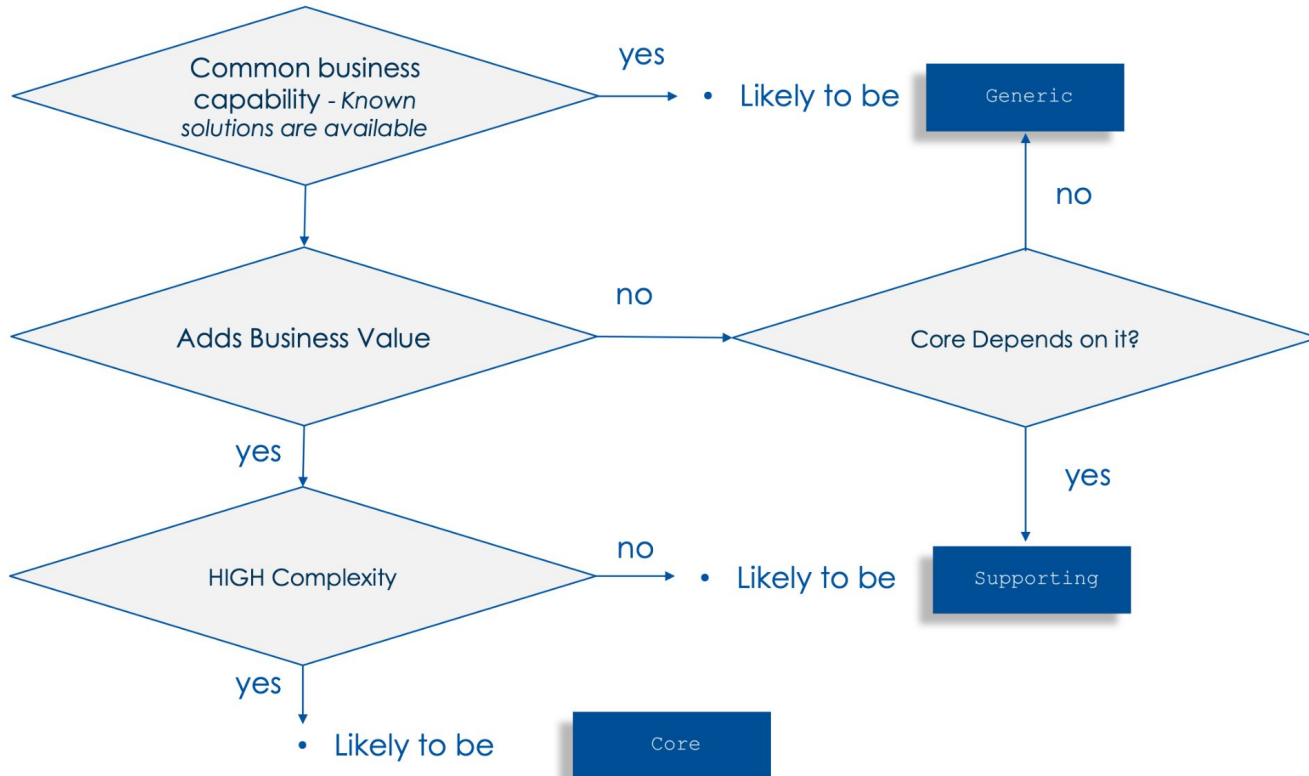
Supporting Subdomain

Does not provide business advantage but core depends on it

Supporting

- Well known practices but solutions not readily available
- Relatively simple to build as no complex business logic

Subdomains



Why do we categorize the subdomains?

- Limited Resource; drives prioritization
- Return on Investments
- Build Vs. Buy decisions

Why do we categorize the subdomains?

Generic

- Buy



Supporting

- Outsource
- Customized



Core

- Built by '**A**' teams

Subdomains

- 3 type of Subdomains

Generic

Core

Supporting

- Categorization helps with build vs. buy decisions

- Businesses gets the most ROI by investing

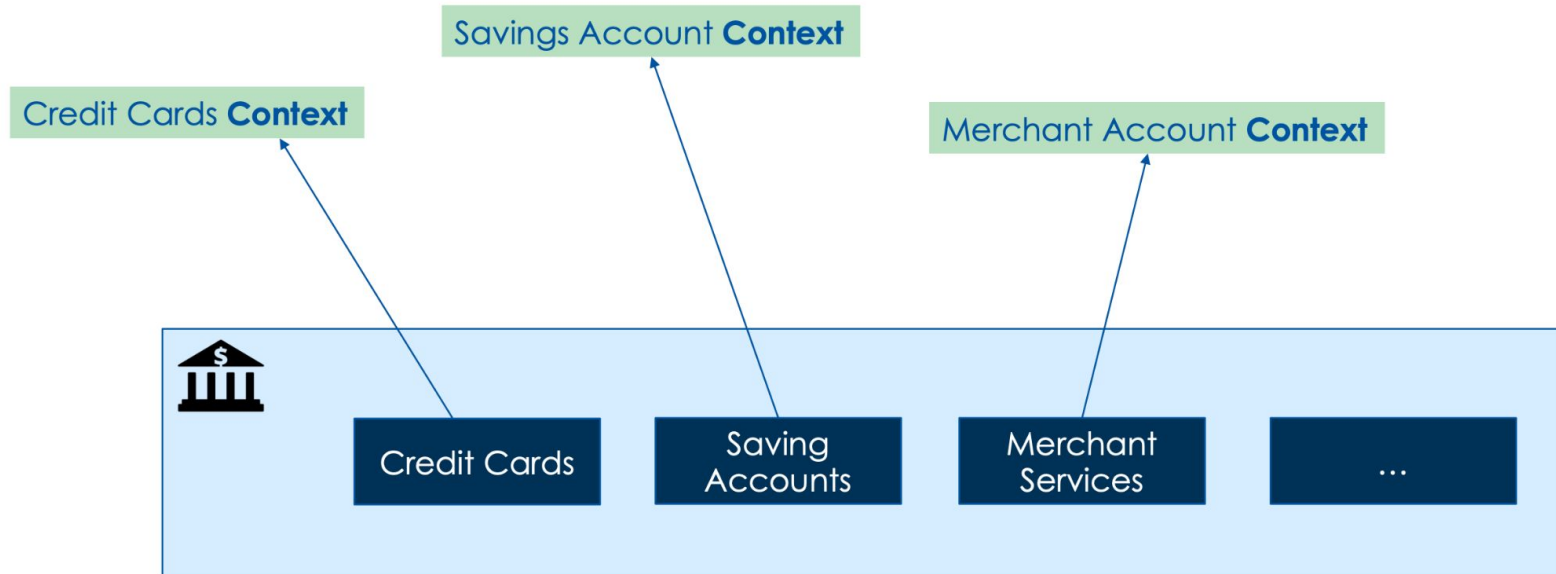
Core

Business Context

The circumstances or facts that form the setting for a statement, event or idea

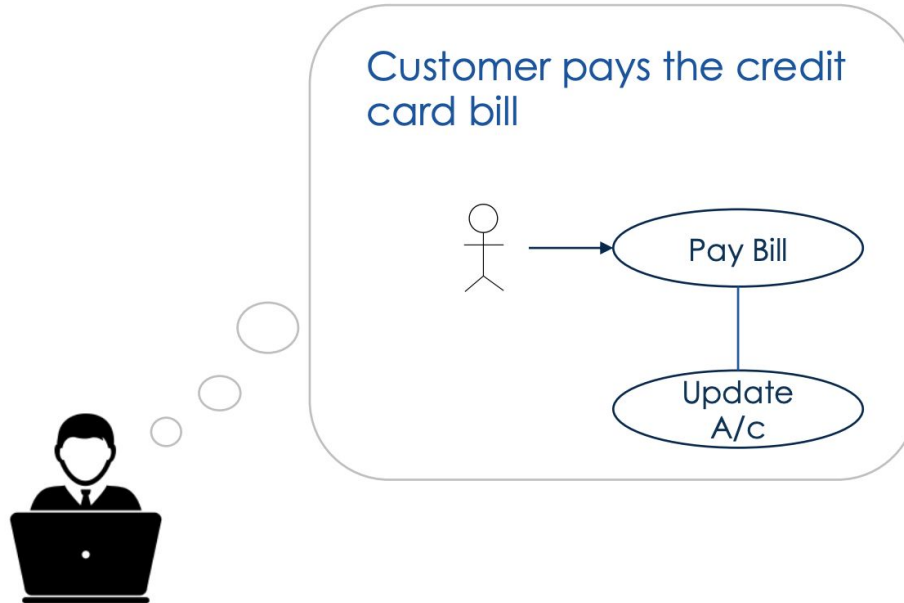
Business Context

Focus areas for knowledge crunching



Business Context

In order to understand the business domain one MUST understand the business context



Business Language

Same terms used in different region may lead to confusion

Tuna

Japanese = Large Fish



Spanish = Cactus



Pasta

Italian = Noodle



Polish = Toothpaste



Business Language

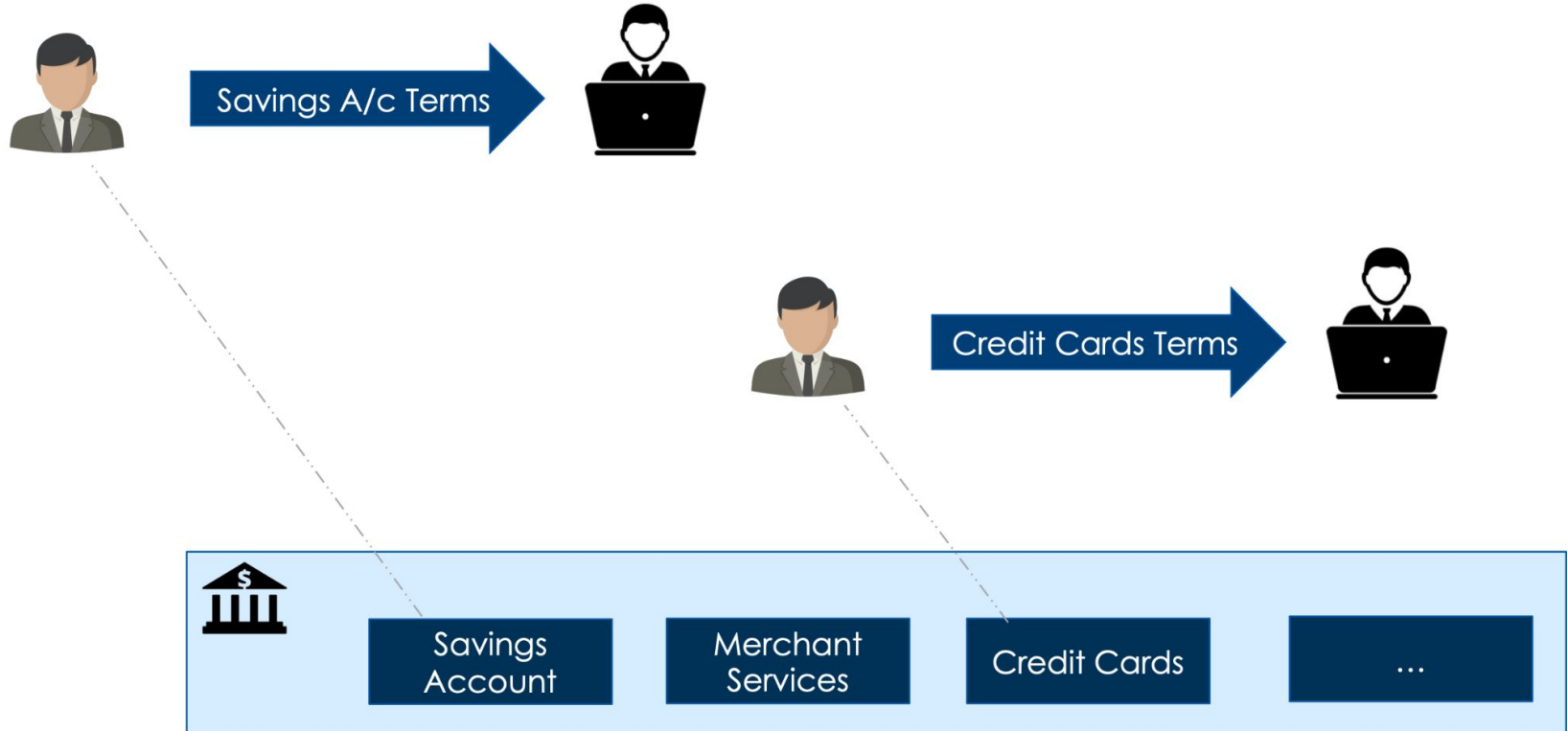
Each industry | profession has its own lingo



Business Language

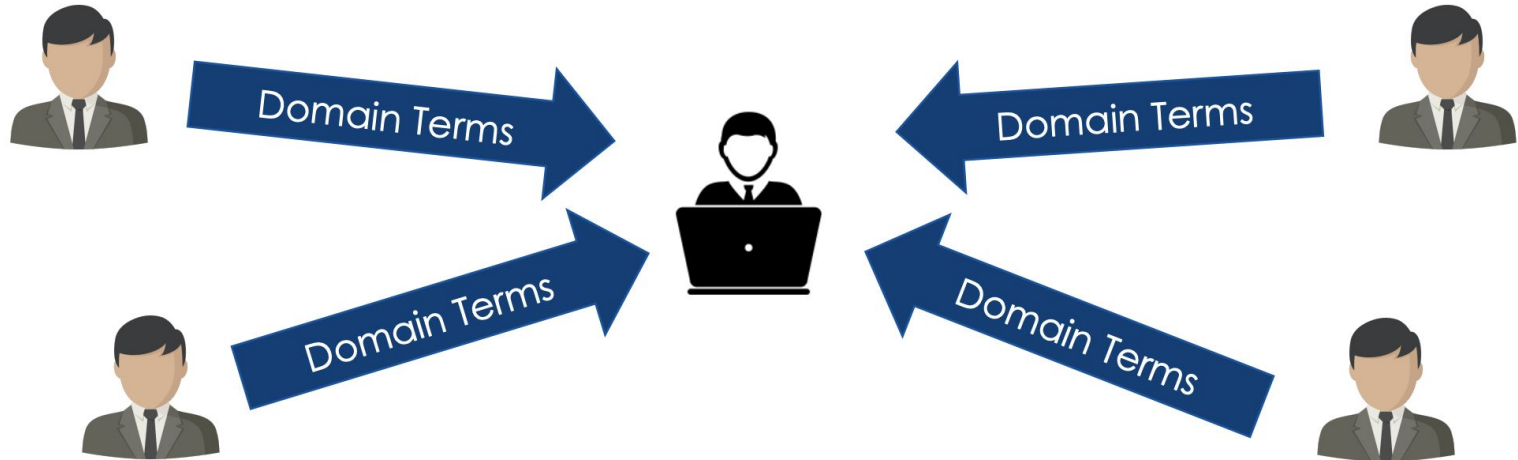
- Teams within enterprise have their own lingo
- Experts use the team's language in all their communication

Business Language



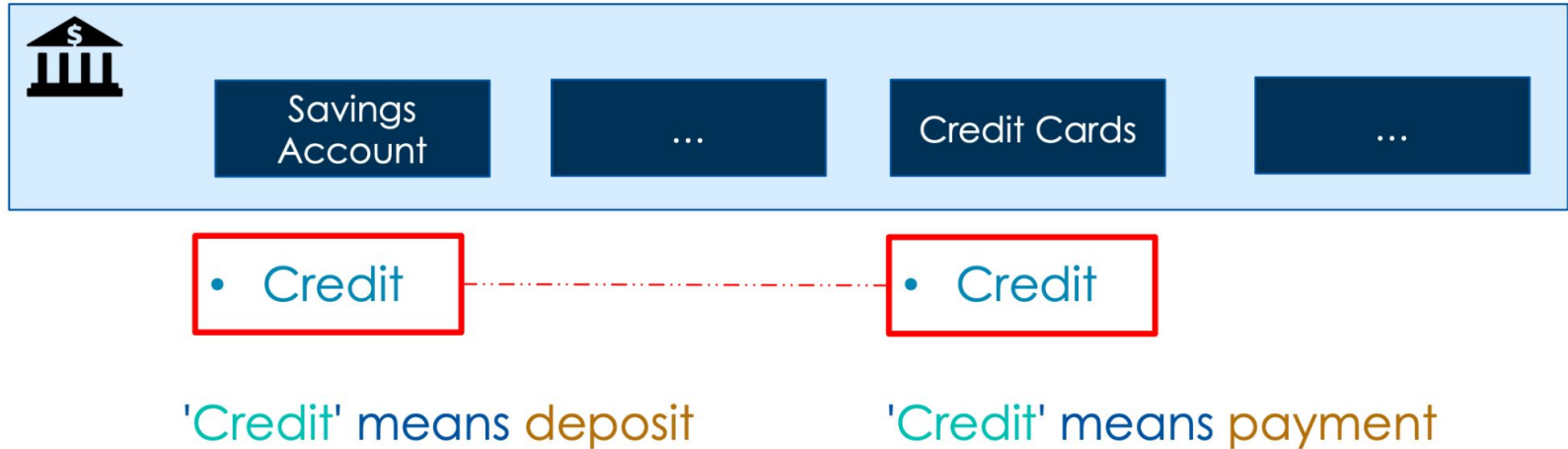
Linguistic Challenges

Multiple business languages across the enterprise



Linguistic Challenges

Conflicting meaning of terms



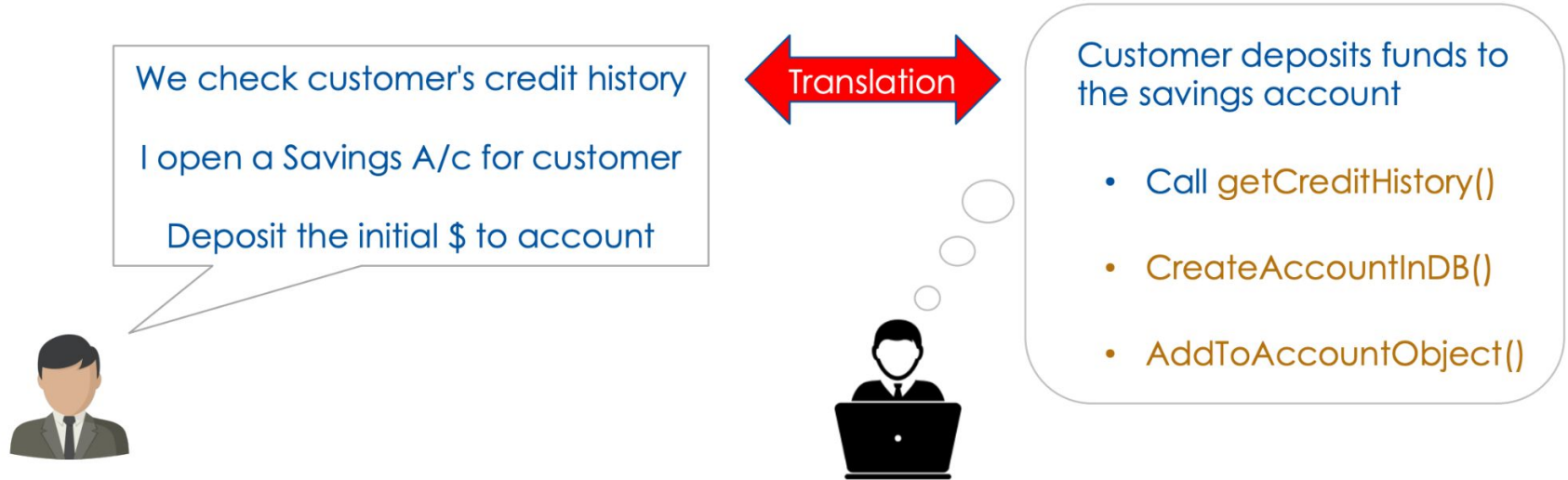
Linguistic Challenges

Technology teams tend to translate business terms to IT lingo

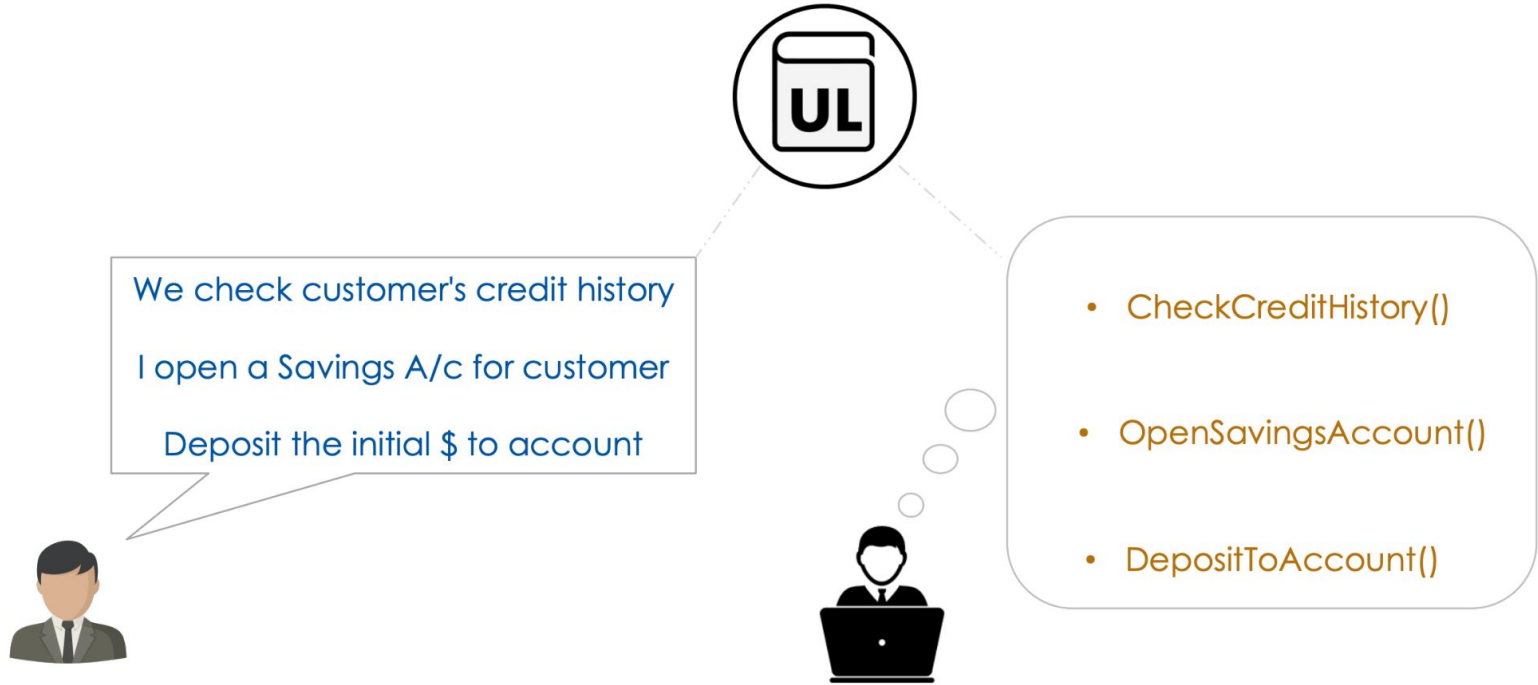


- getters / setters
- create / delete
- Object
- DB
- ...

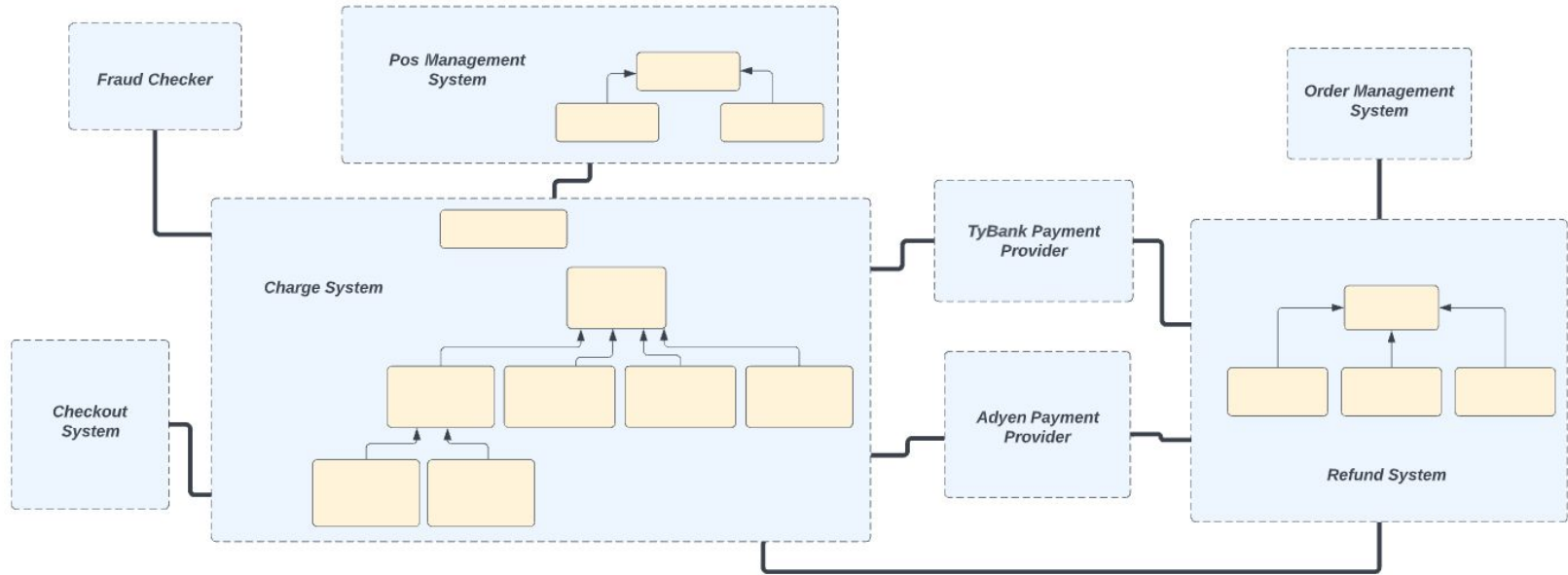
Linguistic Challenges



Linguistic Challenges



Example



Example

