



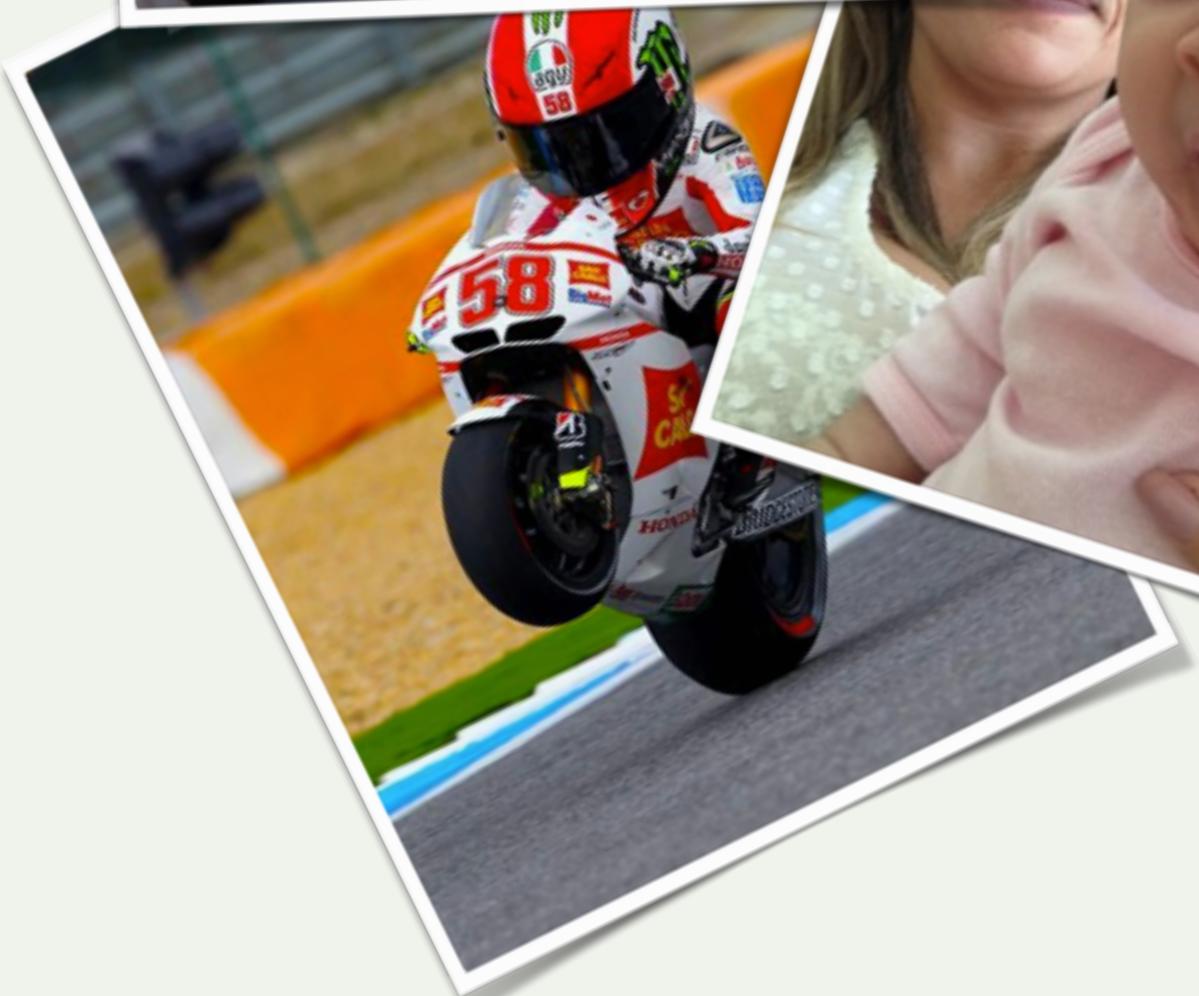
Montando



Sua própria empresa
de
Cartões de Crédito



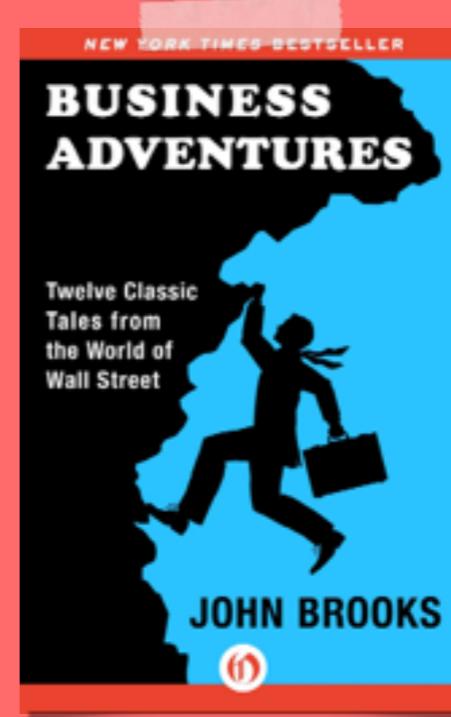
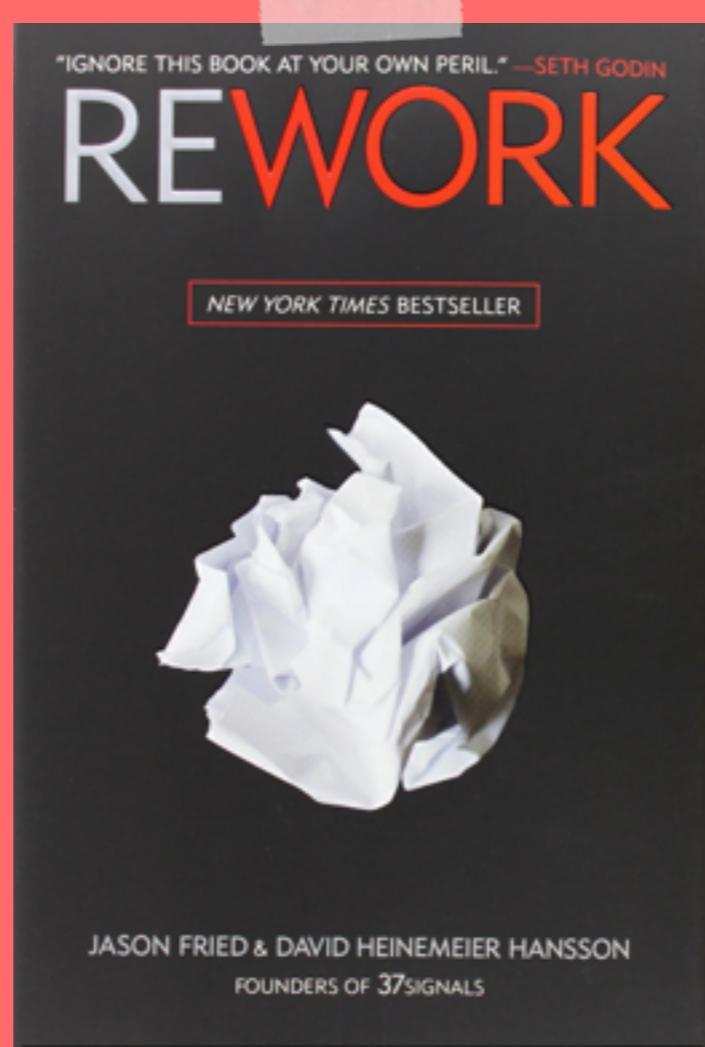
Intermeta





@eduardordm





**Como criar
seu produto?**

SE IMPORTE

REMOVA PASSOS

Mudando canais

Tenho vontade
Levanto do sofá
Ando até a televisão
Mudo o canal
Decido se o canal é o que eu quero
Volto ao sofá
Sento novamente

Mudando
canais

Tenho vontade
Levanto do sofá
Ando até a televisão
Mudo o canal
Decido se o canal é o que eu quero
Volto ao sofá
Sento novamente

Continuo no sofá

Mudando
canais

Decido se o canal é o que eu quero

Tenho vontade
Levanto do sofá
Ando até a televisão

Mudo o canal

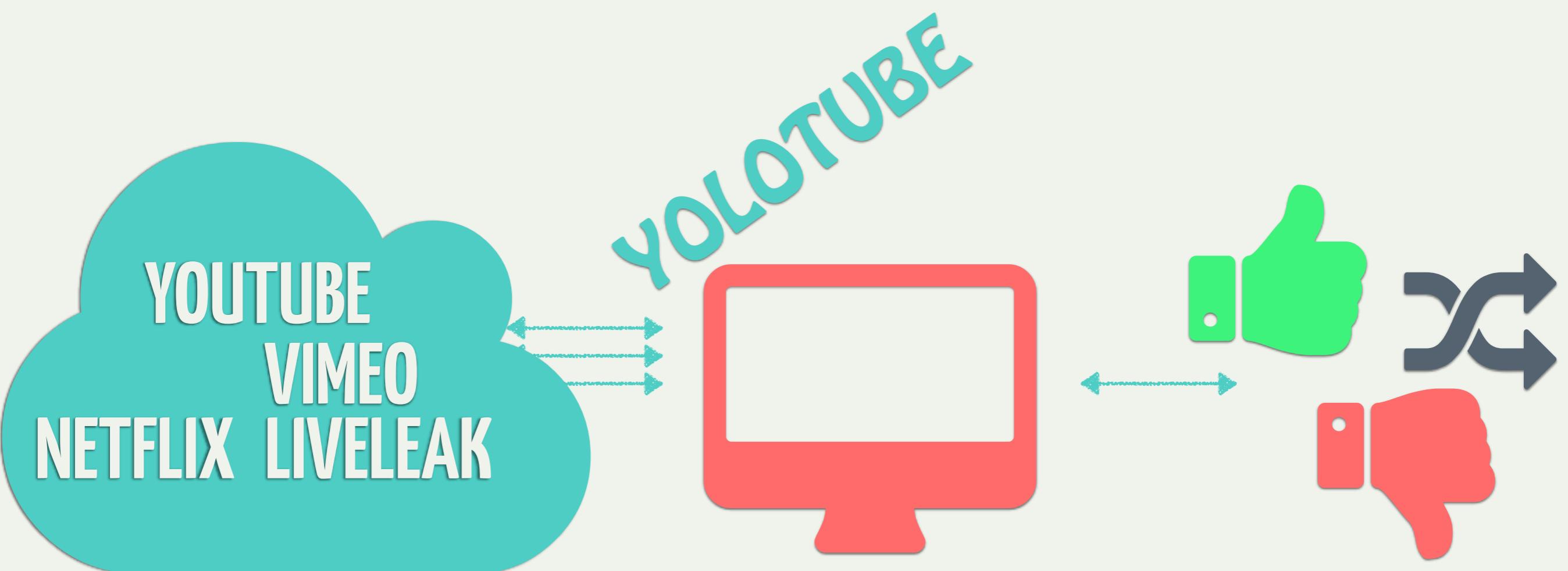
Volto ao sofá

Sento novamente

Continuo no sofá



Decido se o canal é o que eu quero



**VENDA PRIMEIRO
CONSTRUA DEPOIS**

**Demore o quanto for necessário
Crie uma identidade própria**

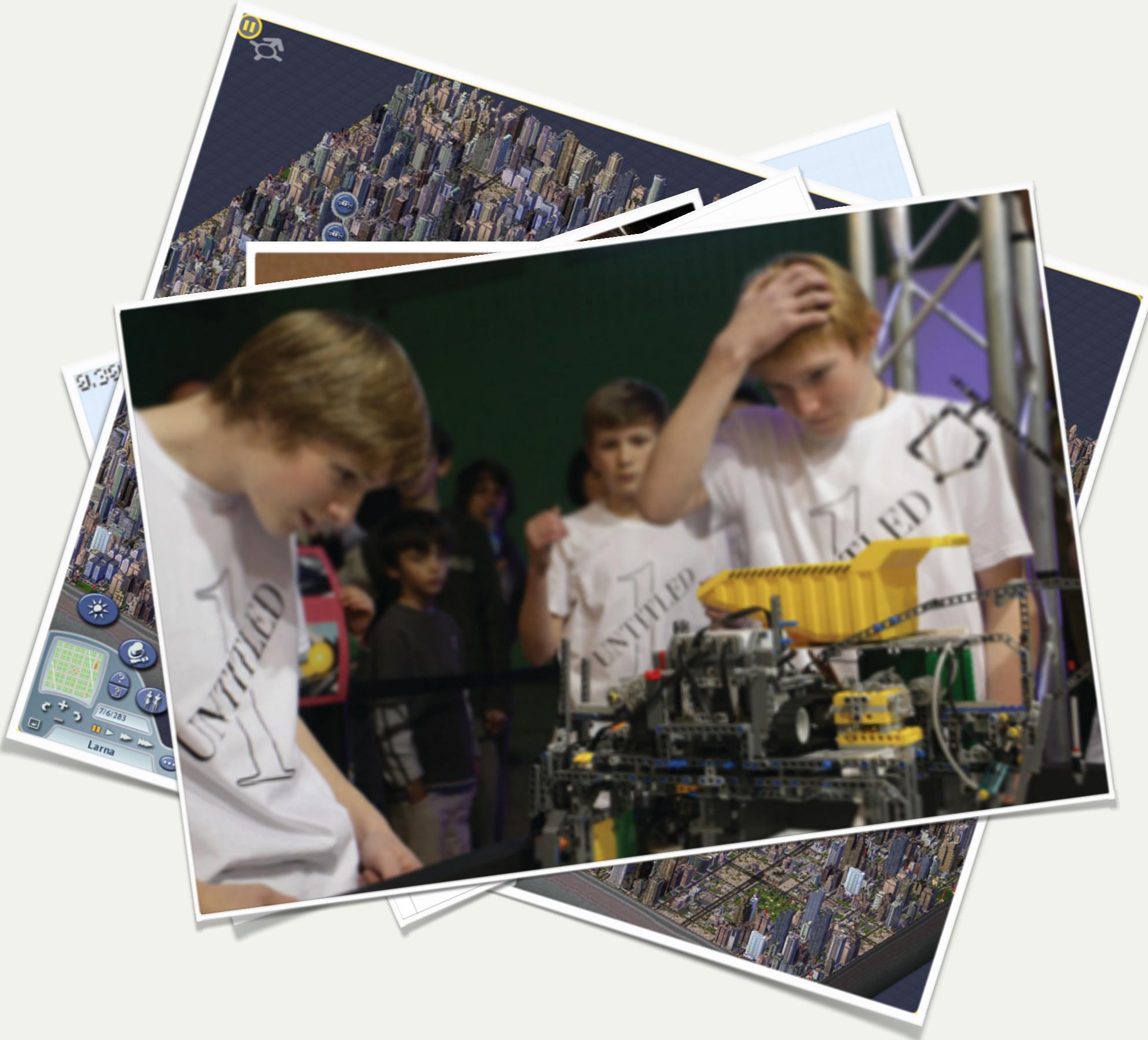
complexity
complexité
complejidad

complexidade

komplexität

сложность
gecompliceerdheid

**APRECIAMOS
COMPLEXIDADE**



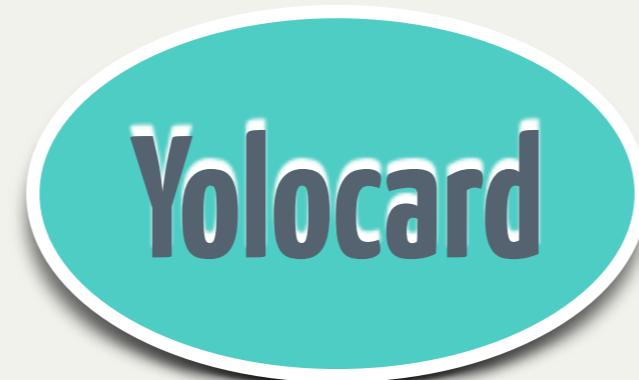


**Construir software,
atividade humana**

Domínios inteiros como macro cross-cutting concerns

DEVISE

CNAB



Auditoria

API

SPED

Emissor NF-e

VAMOS AO
cÓDIGO!!!

GITHUB LINK/BLOG LINK



eduardomourao@Eduardos-MacBook-Pro: ~/yoloinc — ~/yoloinc — zsh — 80x24



→ **yoloinc**

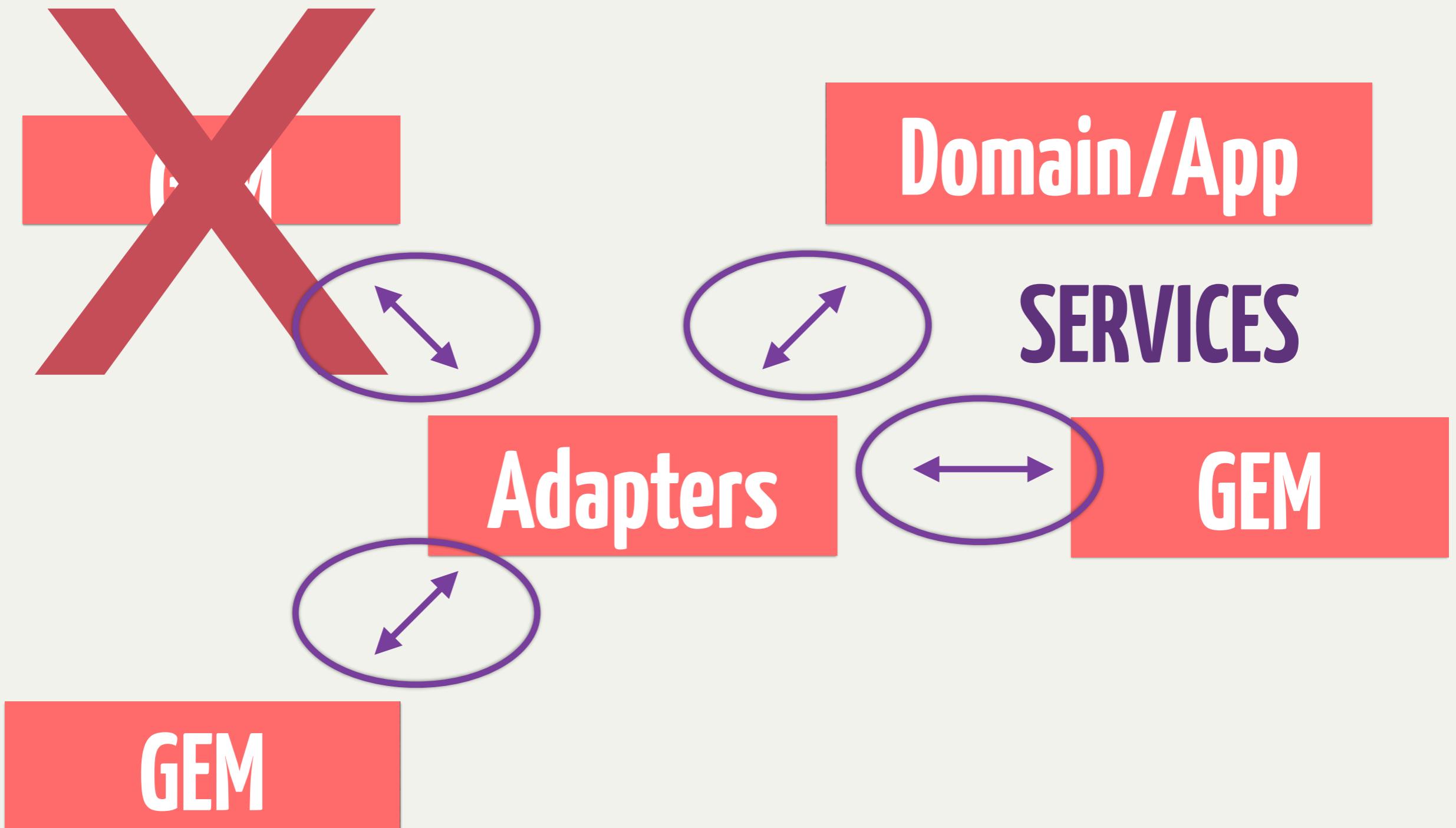




eduardomourao@Eduardos-MacBook-Pro: ~/yoloinc/cardapi — ..loinc/cardapi — zsh — 80x24



→ **cardapi** rail

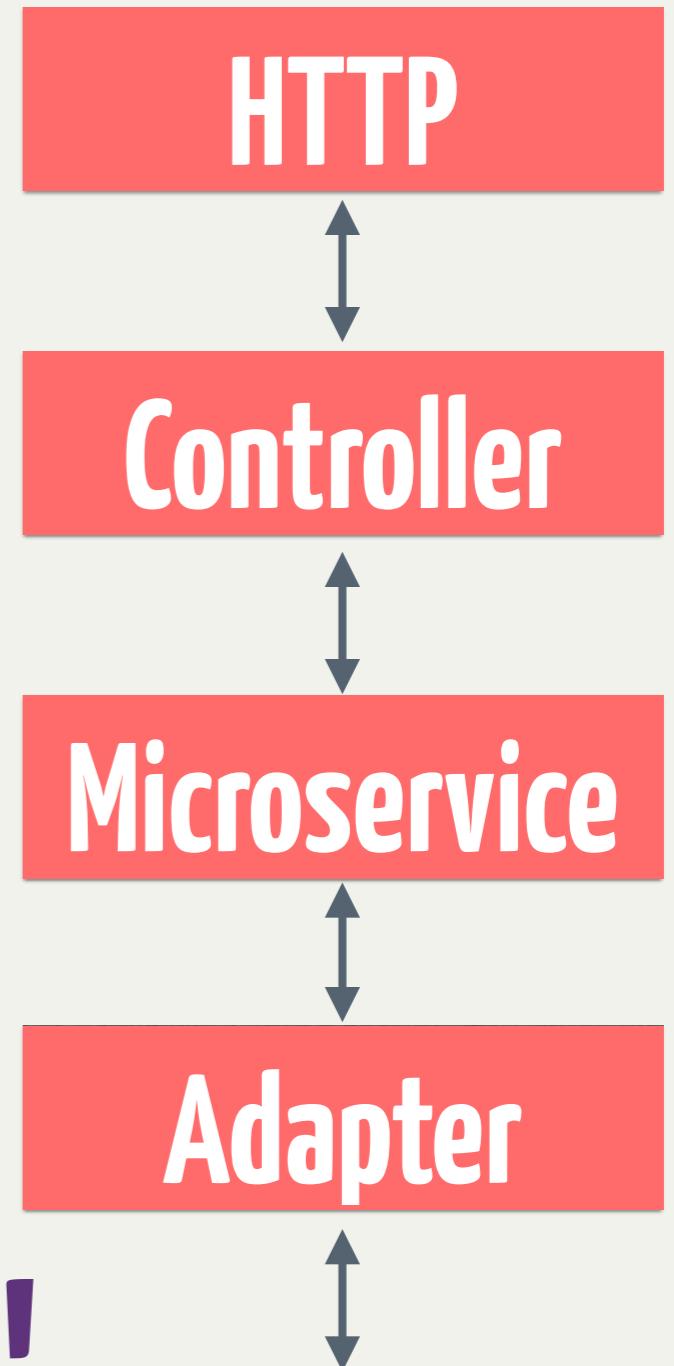


Domain-driven adapters

```
class CardapiAdapter  
  
def processa(transacao)  
end  
  
def autentica(api_key, password)  
end  
  
def consulta(transacao)  
end  
  
end
```

}

} SRP



Interface definition language (IDL)!!!
Não, obrigado.

FOLDERS

- cardapi
 - app
 - bin
 - config
 - db
 - lib
 - cardapi
 - tasks
 - cardapi.rb
- test

.gitignore
cardapi.gemspec
Gemfile
Gemfile.lock
MIT-LICENSE
Rakefile
README.rdoc

cardapi.rb

```
1 require "cardapi/engine"
2
3 module Cardapi
4
5   |
6
7 end
8
```

Line 5, Column 3 Tab Size: 2 Ruby



untitled — cardapi

UNREGISTERED

FOLDERS

▼ cardapi

► app

► bin

► config

► db

► lib

► test

.gitignore

cardapi.gemspec

Gemfile

Gemfile.lock

MIT-LICENSE

Rakefile

README.rdoc

untitled

1

Line 1, Column 1 Tab Size: 4 Ruby

```
class CardapiAdapter

  def processa(transacao)
    ProcessamentoService.processa(self, transacao)
  end

  def autentica(api_key, password)
    APIAuthService.authenticate(self, api_key)
  end

  def estorna(transacao)
    EstornoService.estorna(self, transacao)
  end

end
```



```
1 require_dependency "cardapi/application_controller"
2
3 module Cardapi
4   class TransactionsController < ApplicationController
5
6     respond_to :json
7
8     def index
9       @transactions = TransactionListService.list(context, params)
10    respond_with @transactions
11  end
12
13  def show
14    @transaction = TransactionQueryService.query(context, transaction_params)
15    respond_with @transaction
16  end
17
18  def create
19    @transaction = TransactionCreatorService.create(context, transaction_params)
20
21    respond_with @transaction, only: [:id,
22                                      :txid,
23                                      :source,
24                                      :destination,
25                                      :amount]
26  end
27
28  private
29
30  def transaction_params
31    AuthorizationService.permit_params(context, params)
32  end
33end
```

FOLDERS

```
▼ cardapi
  ▶ app
    ▶ adapters
    ▶ controllers
    ▶ cardapi
      application_controller.rb
      transactions_controller.rb
  ▶ models
    ▶ cardapi
      context.rb
      transaction.rb
  ▶ services
    ▶ cardapi
      ▶ sms_service
      ▶ system_services
    ▶ transaction_services
      transaction_creator_service.rb
      transaction_list_service.rb
      transaction_query_service
      ▶ user_services
  ▶ bin
    rails
  ▶ config
  ▶ db
  ▶ lib
  ▶ test
  .editorconfig
  .gitignore
  cardapi.gemspec
  Gemfile
  Gemfile.lock
```

```
transactions_controller.rb * transaction_creator_service.rb * context.rb *  
1 module Cardapi  
2  
3   class TransactionCreatorService  
4  
5     def self.create(context, params)  
6       @transaction = Transaction.new(params)  
7       context.adapter.process(@transaction)  
8     end  
9  
10    end  
11  
12  end  
13 |
```

```
class MessageSenderService
```

```
  def self.send(context, params)
```

```
    sms = SMS.new(params)
```

```
    if [:operacao, :auditoria].include? context.espaco  
      SmsApiAdapter.deliver(sms, {quando: :imediatamente})
```

```
    else
```

```
      SmsApiAdapter.deliver(sms, {quando: :comercial})
```

```
    end
```

```
  sms
```

```
end
```

CONTEXTO

```
end
```



eduardomourao@Eduardos-MacBook-Pro: ~/yoloinc/cardapi — zsh — 80x24

rails

ruby

.yoloinc/cardapi

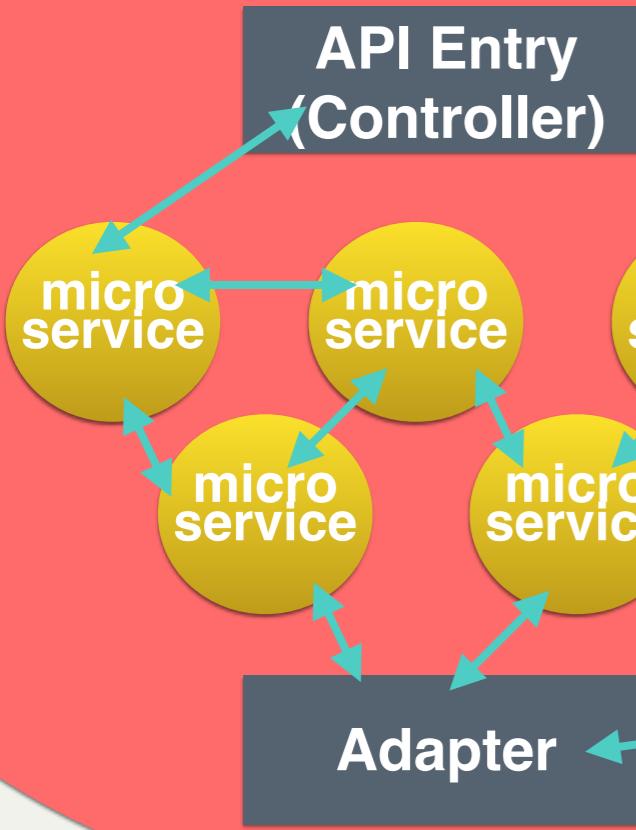
```
→ cardapi curl http://127.0.0.1:3000/cardapi/transactions \
> -u cardapi: \
> -d "transaction[amount]=100" \
> -d "transaction[source]=1BPVdMzV5UnmQ6rnbsH5NiJSBgefmsSQGMr" \
> -d "transaction[destination]=1BYNK9AfpA2epfMBnBHTke8oc3CDLTuSEy"
{"id":11,"amount":"100.0","destination":"1BYNK9AfpA2epfMBnBHTke8oc3CDLTuSEy",
"source":"1BPVdMzV5UnmQ6rnbsH5NiJSBgefmsSQGMr","txid":"Bh13poRytk05YGik7eFB+iqykLuczhvbc/aby2wk5I="}%
→ cardapi
```



Angular/ember 3rd party Apps Mobile

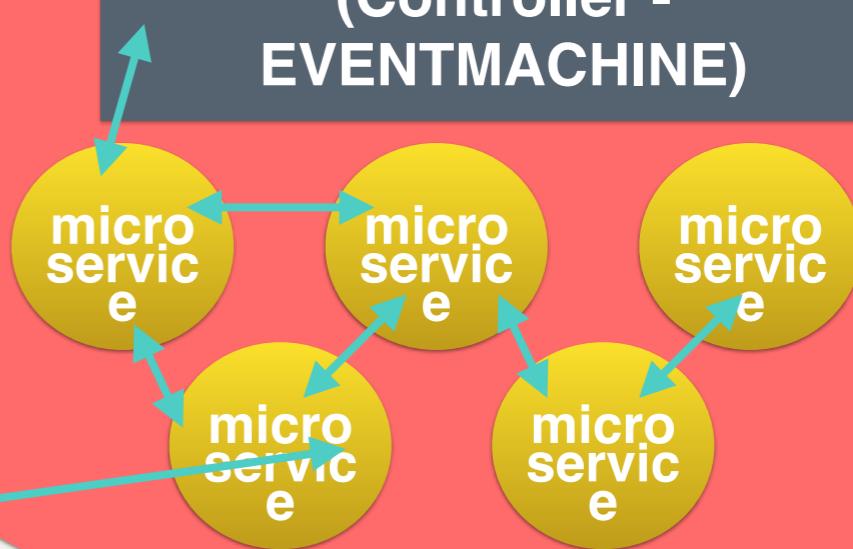


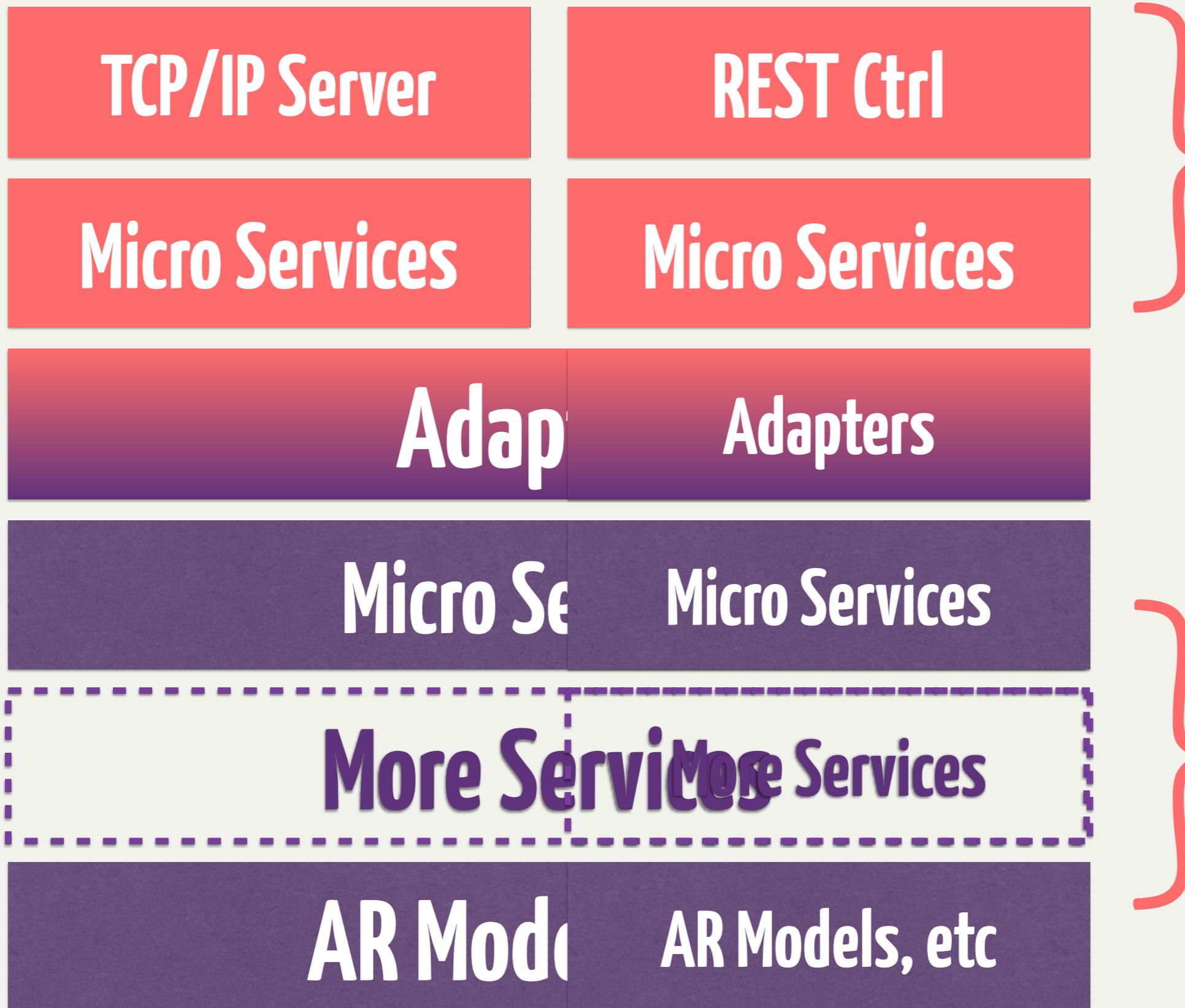
API V1



TCP V1

API Entry
(Controller -
EVENTMACHINE)





Módulo

API Entry
(Se houver)

micro service

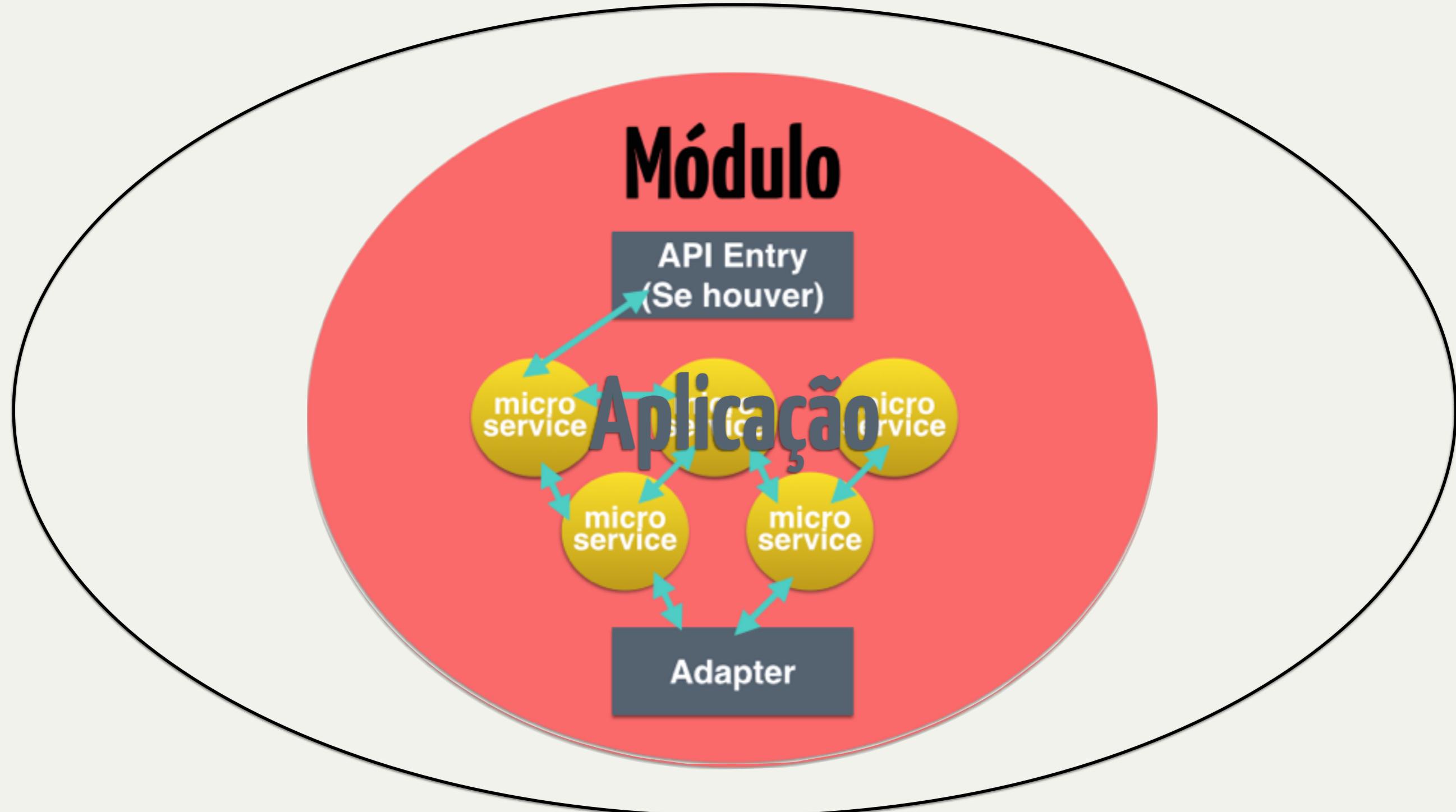
micro service

micro service

micro service

Adapter

Aplicação



Project Tour

Perguntas?

eduardo@intermeta.com.br

Obrigado!

<3

banco simples (soon™)

Sem call center

Sem agências

Sem xerox

Sem taxas

Cryptocurrency-ready

Todos os serviços bancários