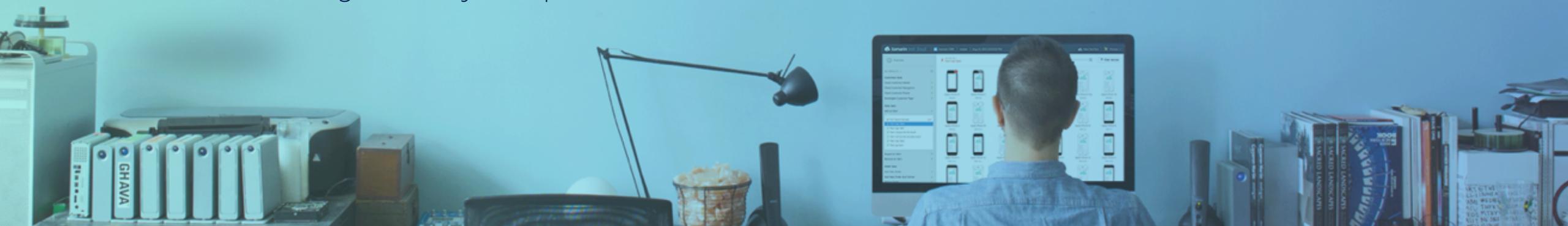


Behavior Driven Development For Mobile Apps Using Specflow & Xamarin Test Cloud



Geert van der Cruijsen
Lead Consultant Xpirit

@geertvdc
<http://mobilefirstcloudfirst.net>
gvandercrijusen@xpirit.com



Behavior Driven Development

Behavior Driven Development

WHY

WHAT

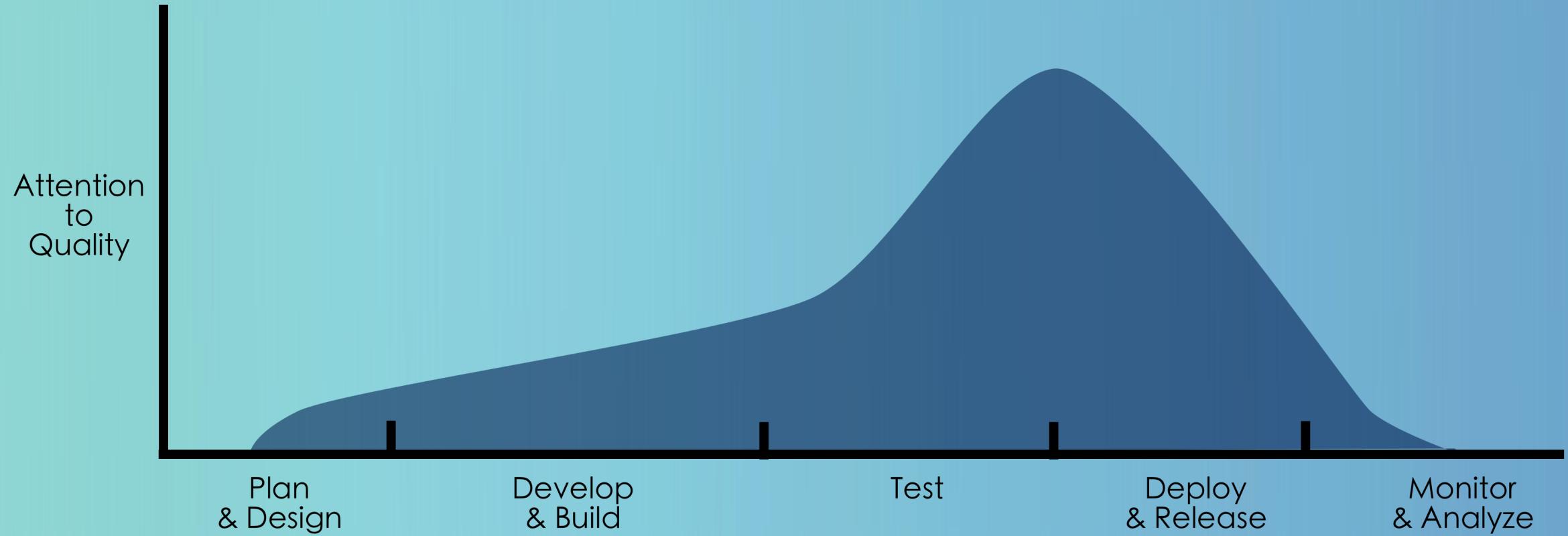
HOW

Mobile App
Quality
is important

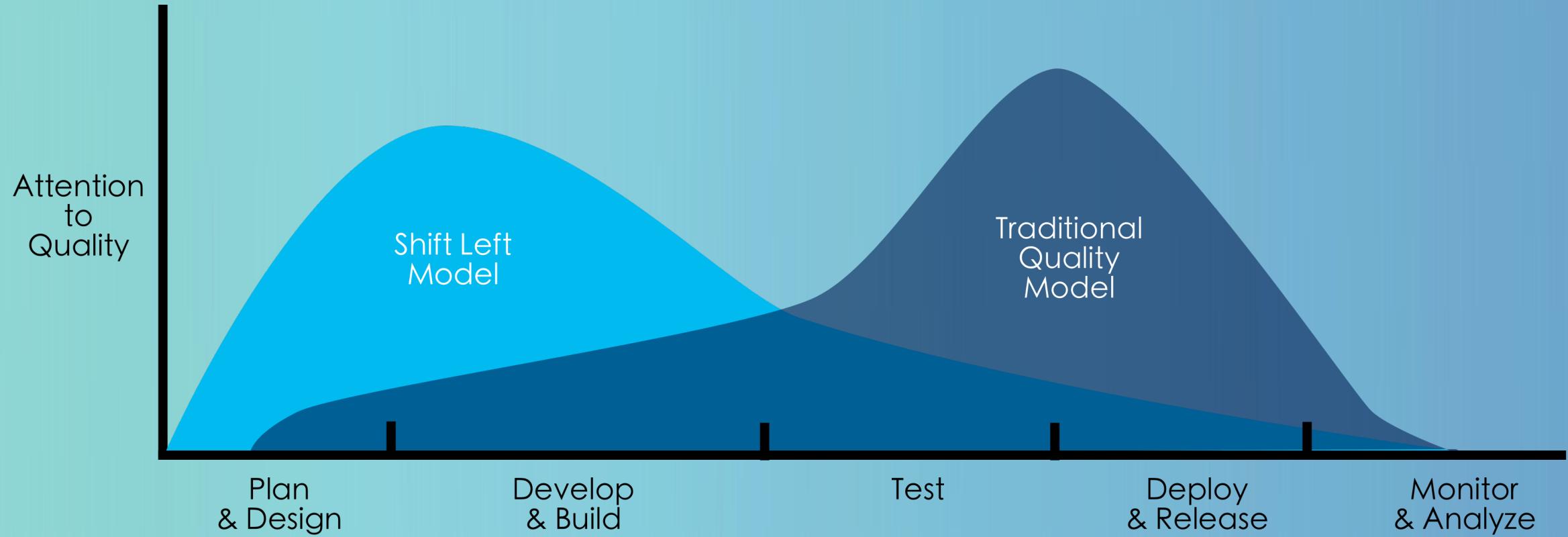
26% of installed apps are abandoned after the first use
Google 2015

The average Android app loses 77% of its daily active users within the first three days after the install, and 90% within the first 30 days
Quettra 2015

Why Behavior Driven Development



Why Behavior Driven Development



What is Behavior Driven Development

BDD is a process designed to aid the management and the delivery of software development projects by improving communication between engineers and business professionals. In so doing, BDD ensures all development projects remain focused on delivering what the business actually needs while meeting all requirements of the user.

BDD is an evolution in the thinking behind Test Driven Development and Acceptance Test Driven Planning. BDD is also referred to as specification by example.

What is Behavior Driven Development

*BDD is a process designed to aid the management and the delivery of software development projects by **improving communication between engineers and business professionals**. In so doing, BDD ensures all development projects remain focused on delivering what the business actually needs while meeting all requirements of the user.*

BDD is an evolution in the thinking behind Test Driven Development and Acceptance Test Driven Planning. BDD is also referred to as specification by example.

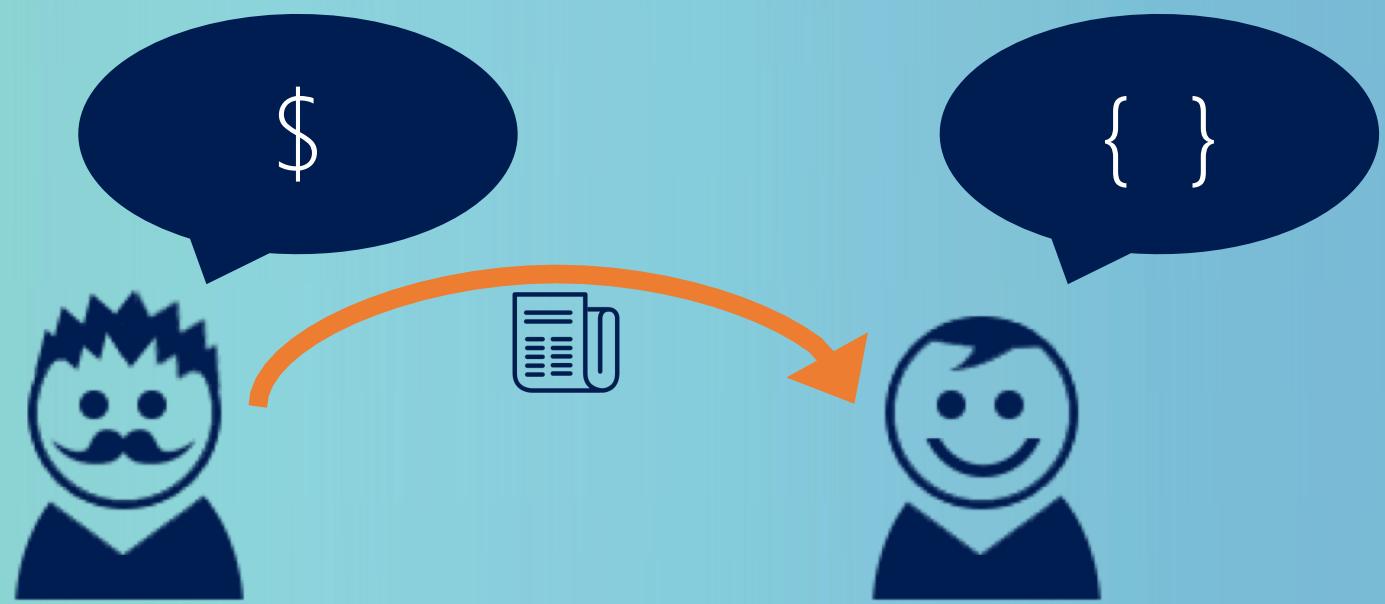
What is Behavior Driven Development

*BDD is a process designed to aid the management and the delivery of software development projects by improving communication between engineers and business professionals. In so doing, BDD ensures all development projects remain **focused on delivering what the business actually needs** while meeting all requirements of the user.*

BDD is an evolution in the thinking behind Test Driven Development and Acceptance Test Driven Planning. BDD is also referred to as specification by example.

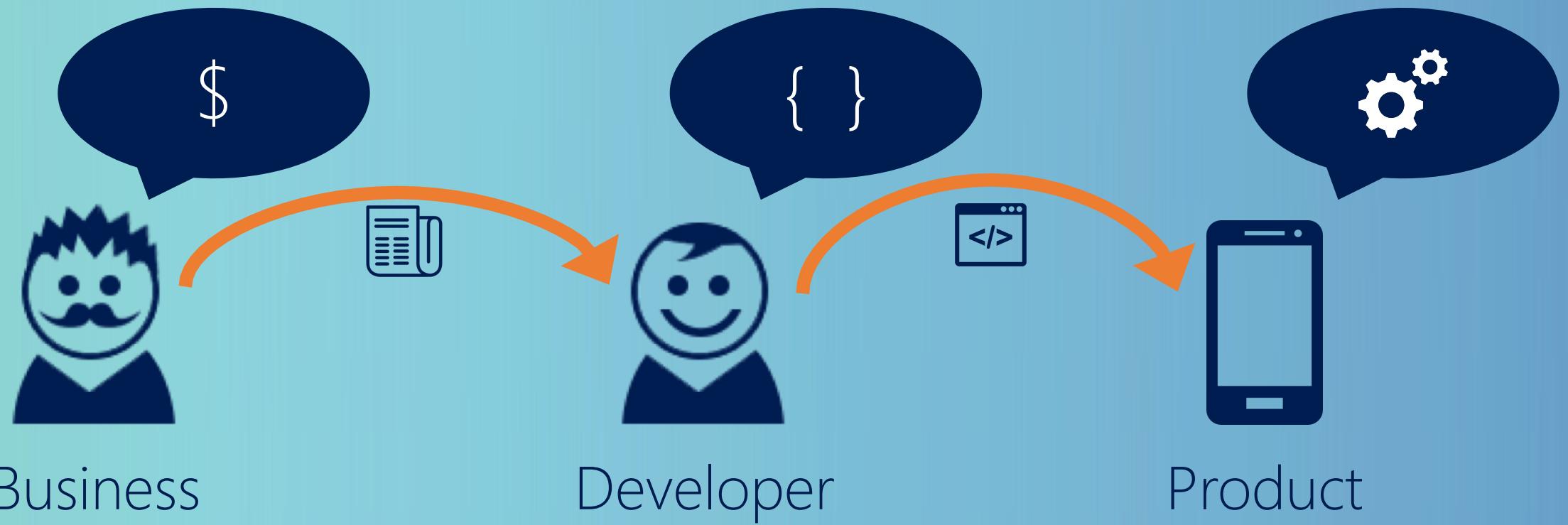


Business

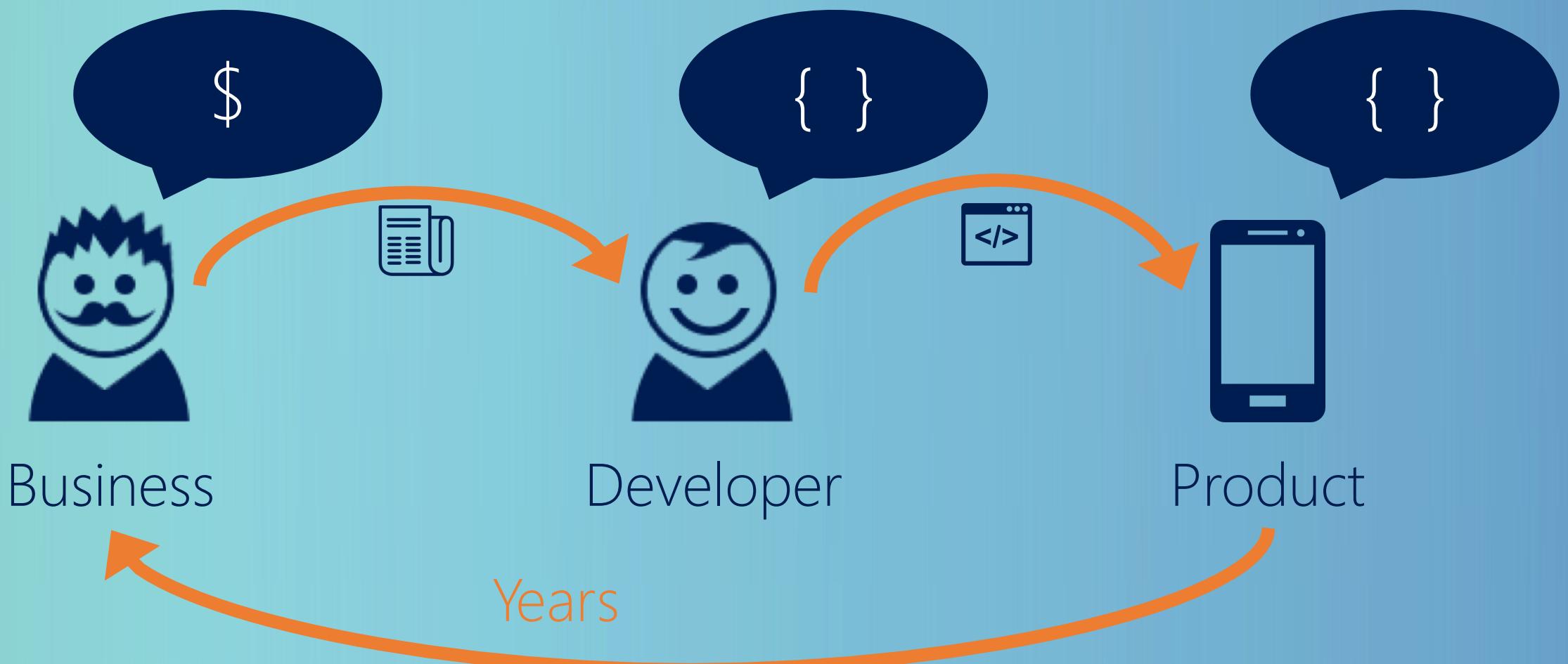


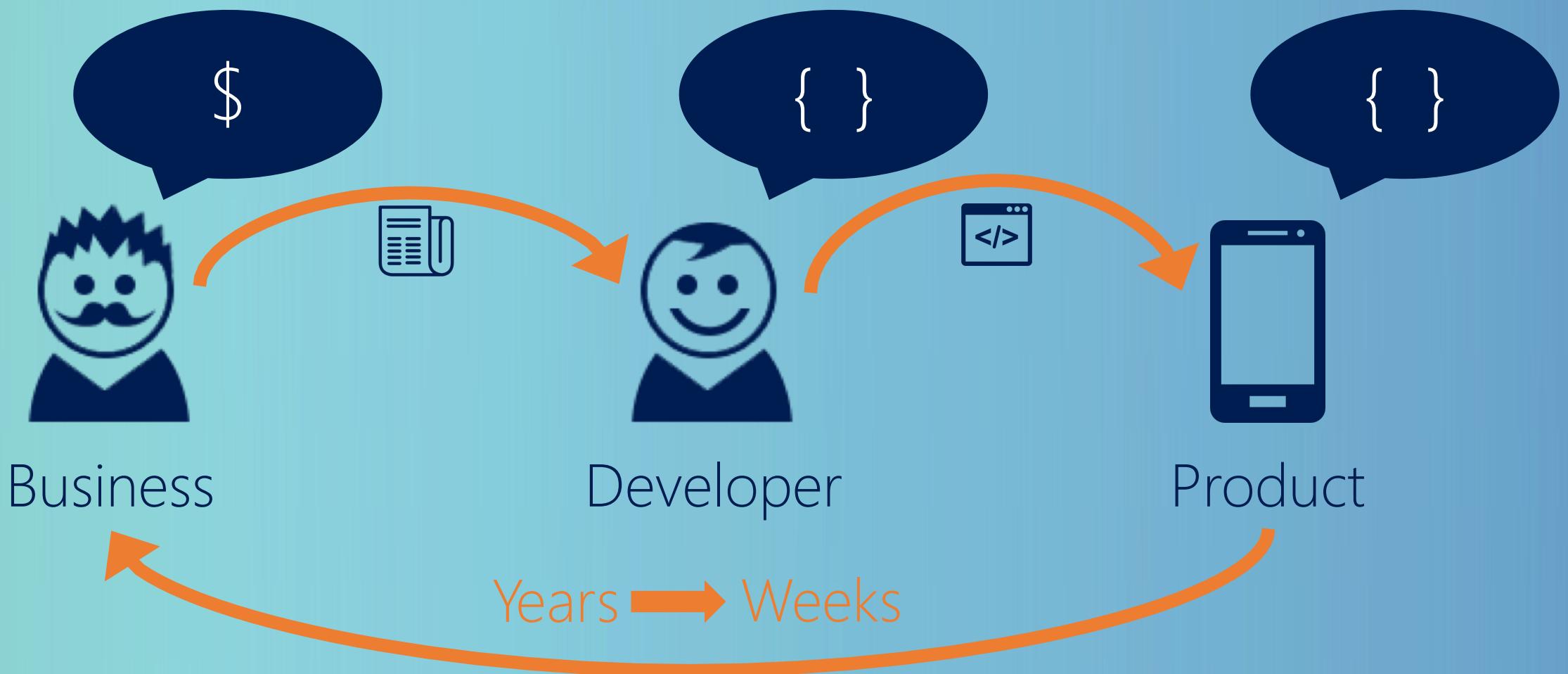
Business

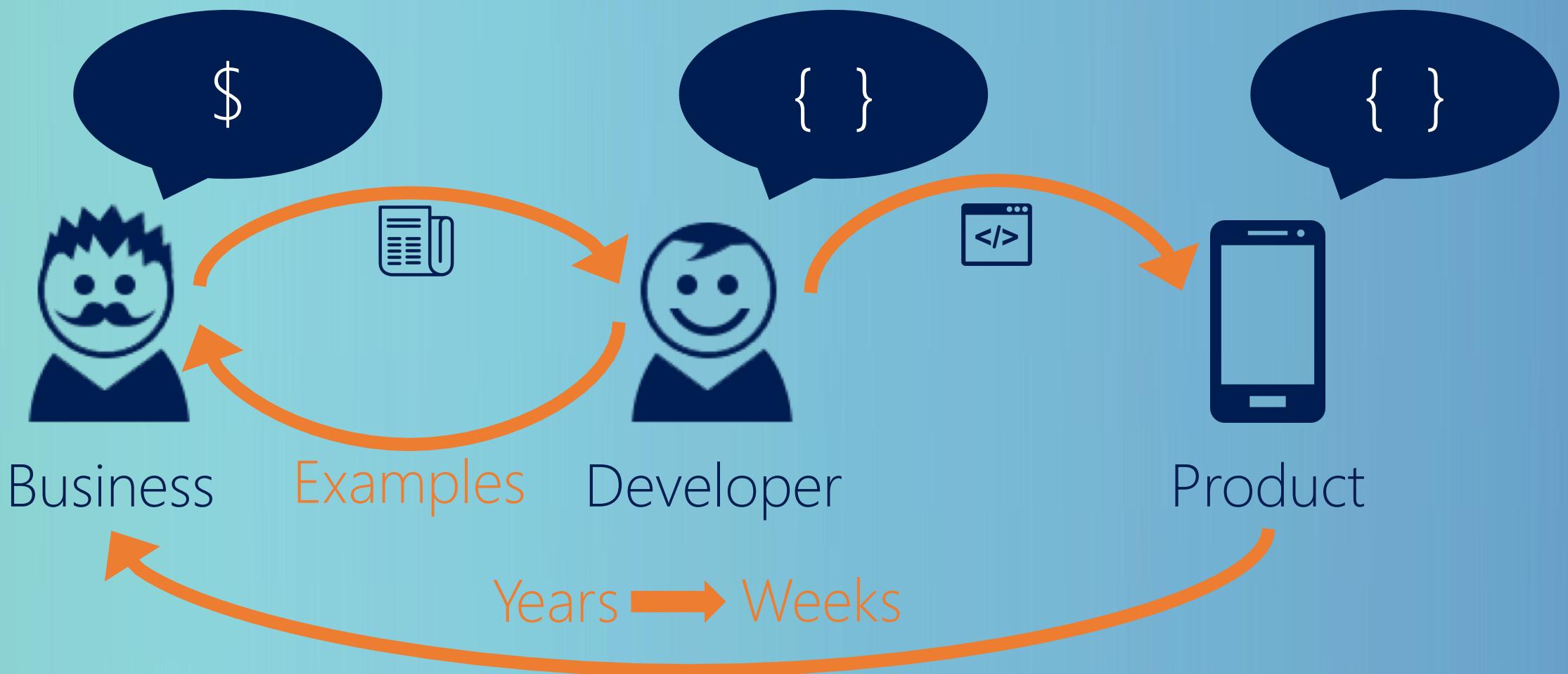
Developer

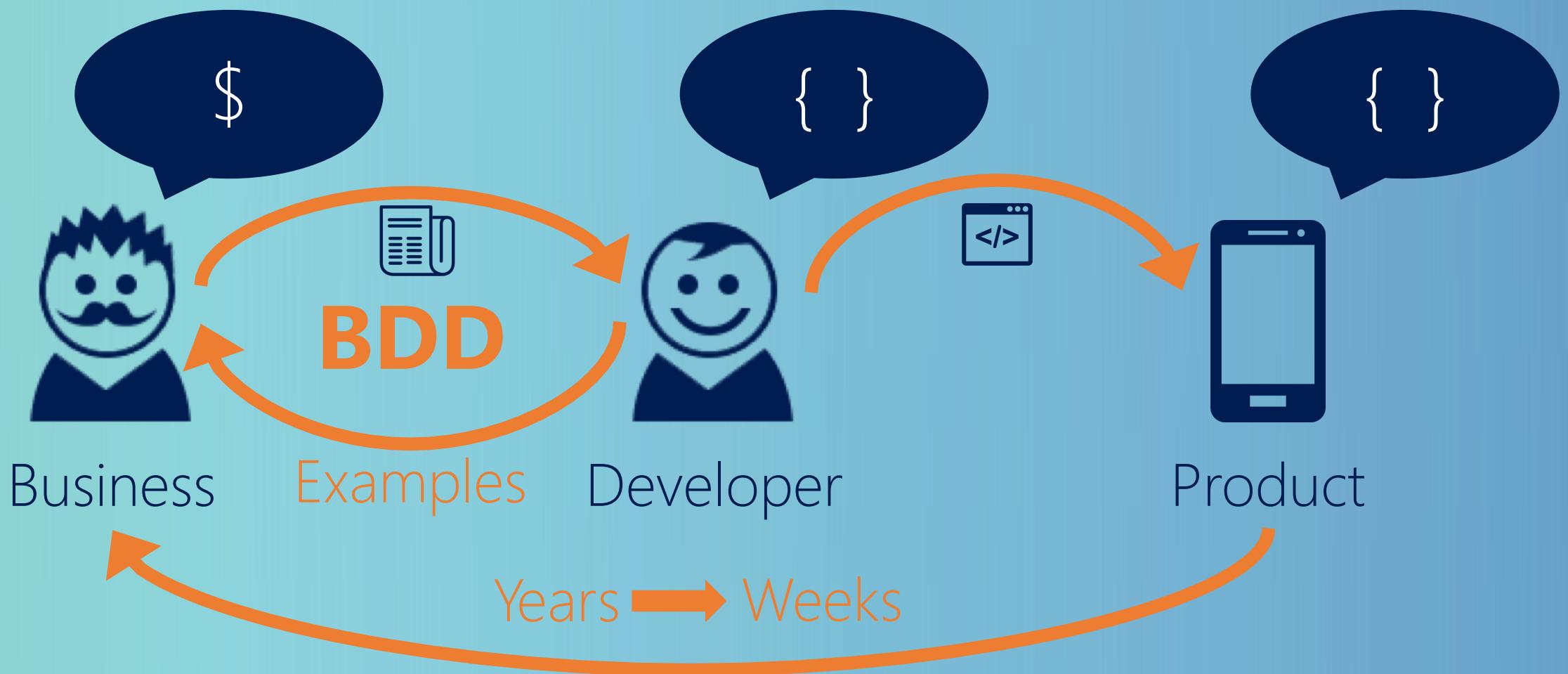


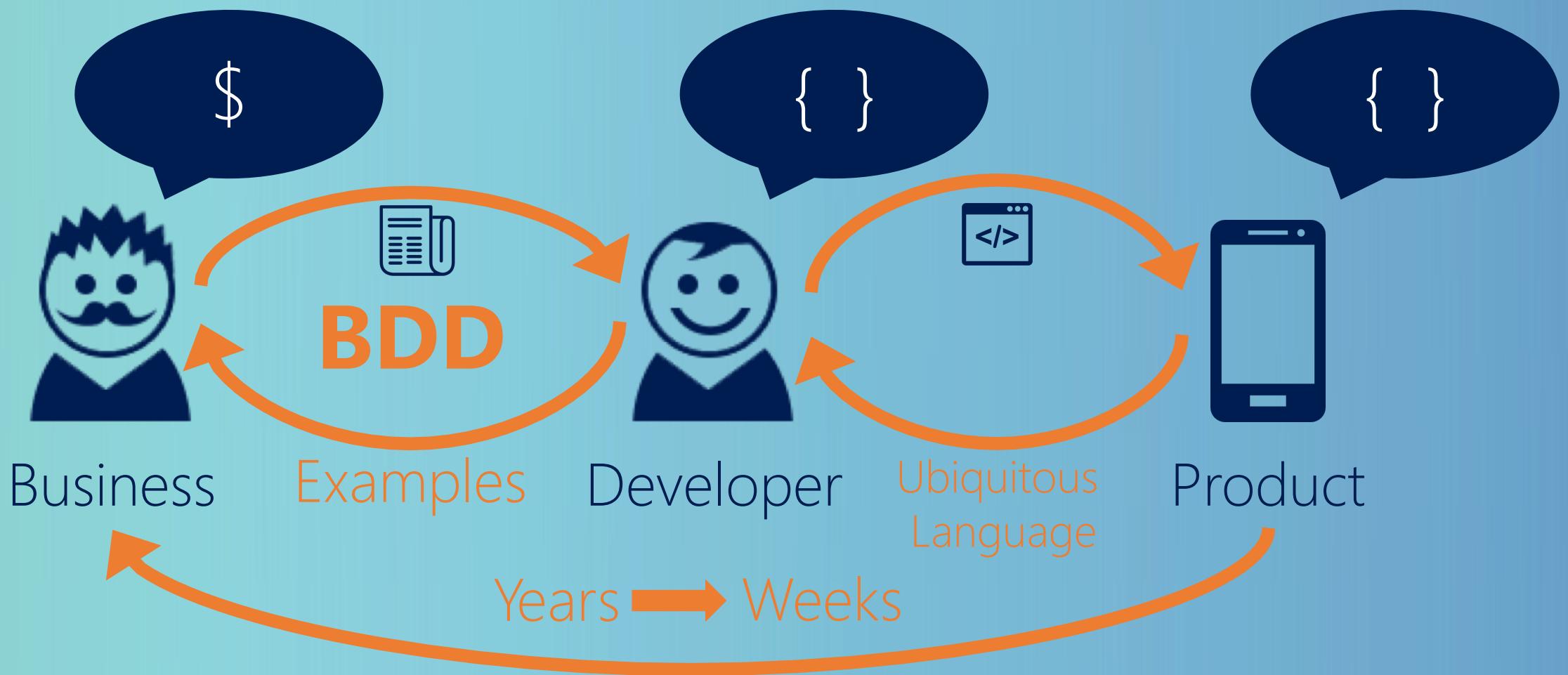


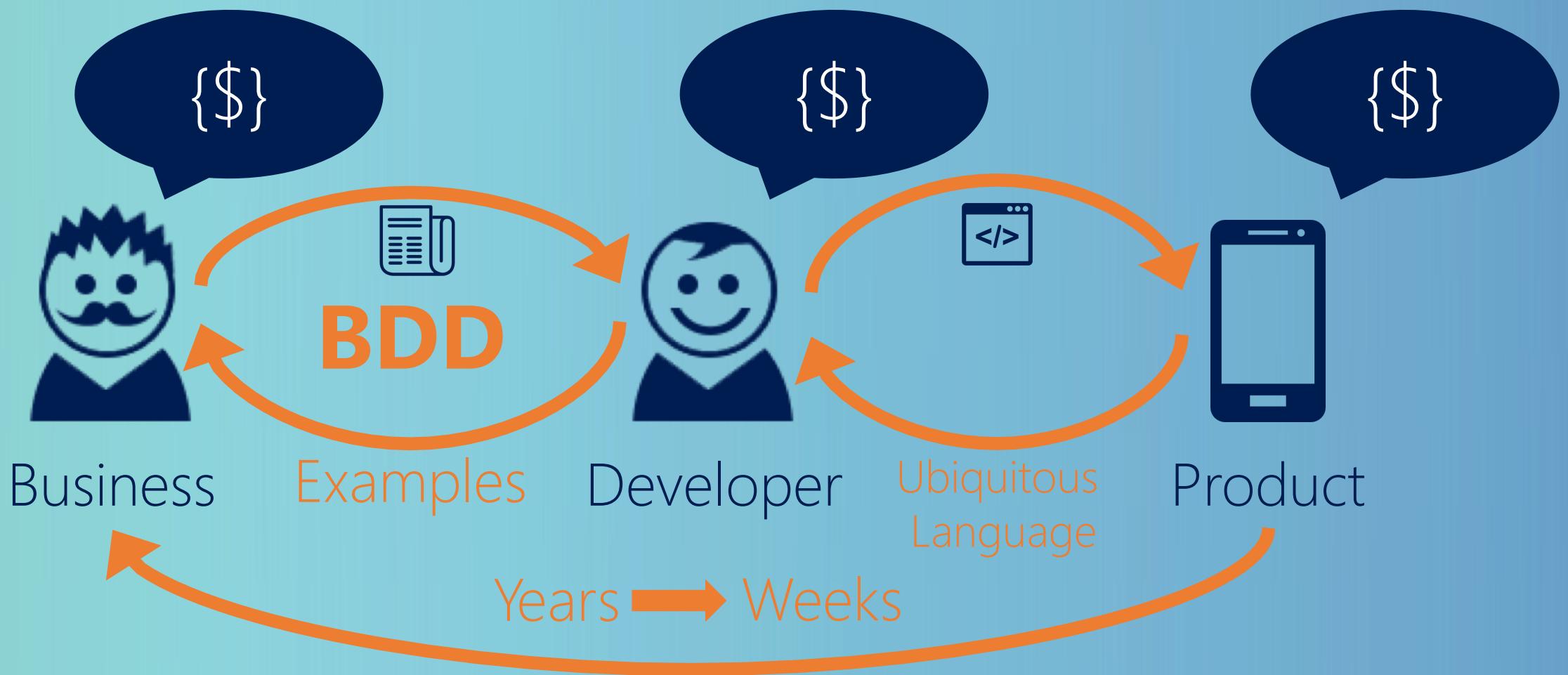


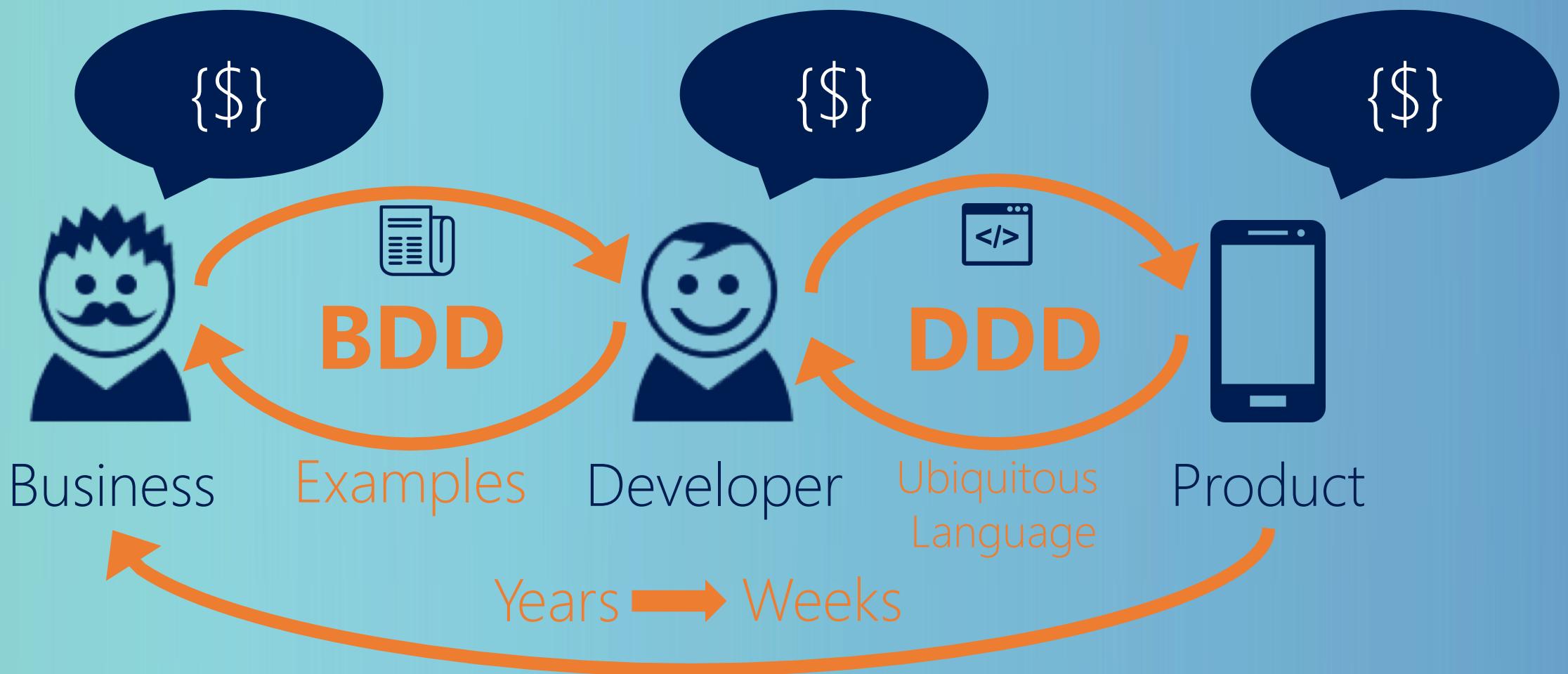


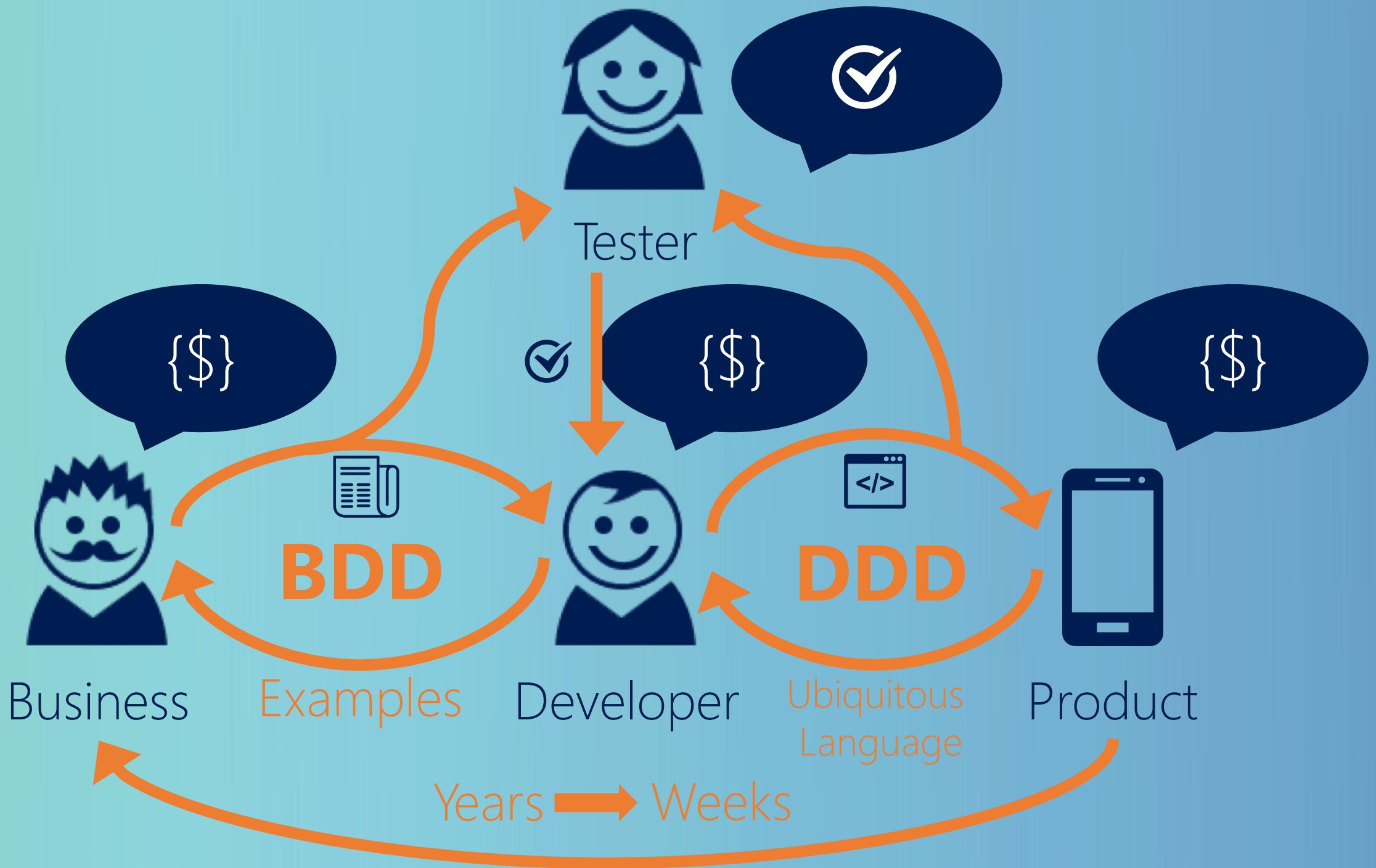












3 Amigos



Product Owner



Developer

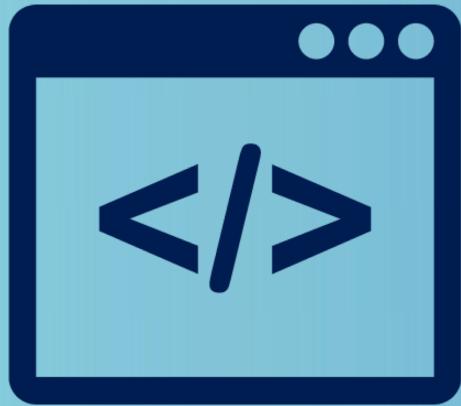


Tester

3 Amigos



Product Owner



Developer



Tester

3 Amigos

Product Owner
Developer
Tester



How to do BDD?



Gherkin

How to do BDD?



Gherkin



Cucumber for .NET

Writing examples in Gherkin

Feature: feature title

As a [role]

I want [feature]

So that [benefit]

Scenario:

Scenario 1: Title

Given [context]

 And [some more context] ...

When [event]

Then [outcome]

 And [another outcome] ...

Writing examples in Gherkin

Feature: feature title

As a [role]

I want [feature]

So that [benefit]

Scenario:

Scenario 1: Title

Given [context]

 And [some more context] ...

When [event]

Then [outcome]

 And [another outcome] ...

Writing examples in Gherkin

Feature: feature title

As a [role]

I want [feature]

So that [benefit]

Scenario:

Scenario 1: Title

Given [context]

And [some more context] ...

When [event]

Then [outcome]

And [another outcome] ...

Writing examples in Gherkin

Feature: Get weather for location

As a person who has to go outside sometimes

I want to retrieve todays weather

So that I know I should bring an umbrella

Writing examples in Gherkin

Scenario 1: Get weather for manually added location

Given I opened the app

When I enter “Amsterdam” as the location

When I press the “Get Weather” button

Then the temperature in Amsterdam should be shown

specflow



Let's see this in action

DEMO

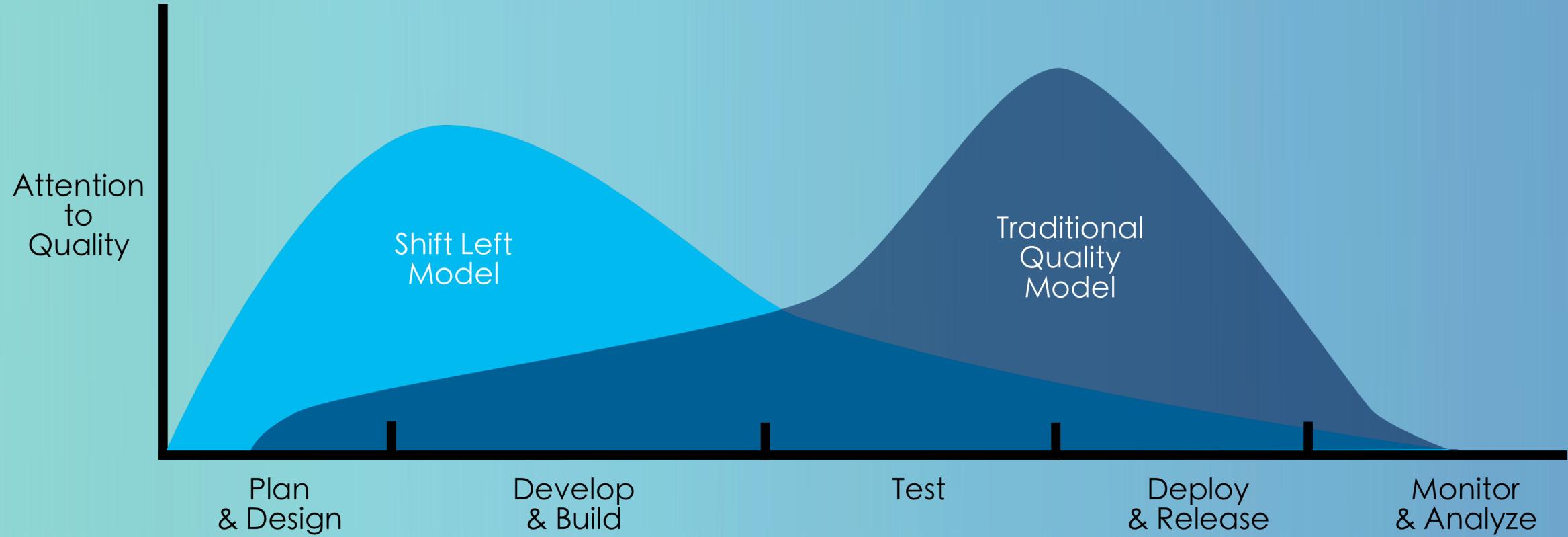
[Github.com/geertvdc/BDDXamarin](https://github.com/geertvdc/BDDXamarin)

Conclusion

BDD helps building software that matters

Specflow, Xamarin & Testcloud are
a great way to implement BDD for mobile apps

Conclusion



Thank you!



Geert van der Cruijsen
@geertvdc
<http://mobilefirstcloudfirst.net>
gvandercrijusen@xpirit.com
Github.com/geertvdc

