expo QA 24
MADRID
May 28th,
29th, 30th
2024
sogeti
expo:QA
expoqa.com

Raquel Vilas

Technical Manager SW Testing

www.linkedin.com/in/raquelvi

elPeriódico suscriptores

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Este mes, celebra Sant Jordi

Suscríbete a un precio de leyenda

Date de alta

30€ /año

P+ Digital

7€/mes

Tu tarifa mensual

- Acceso ilimitado a todo el contenido web
- Acceso a la edición impresa digital
- Ventajas exclusivas Tarjeta P+
- Descuentos y promociones

SUSCRÍBETE

OFERTA

P+ Digital

30€/año

Especial Sant Jordi

~~67€/AÑO~~

- Acceso ilimitado a todo el contenido web
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SUSCRÍBETE

Papel+Digital

15€/mes

28% dto.

~~21€/MES~~

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- Descuentos y promociones

SUSCRÍBETE

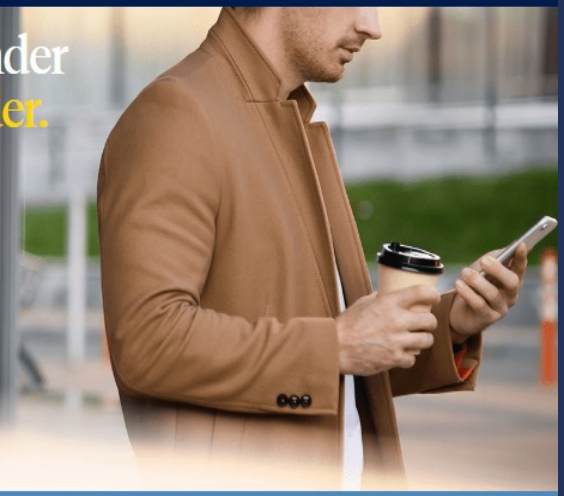
Porque te interesa.

LA VANGUARDIA

Información para comprender un mundo difícil de entender.

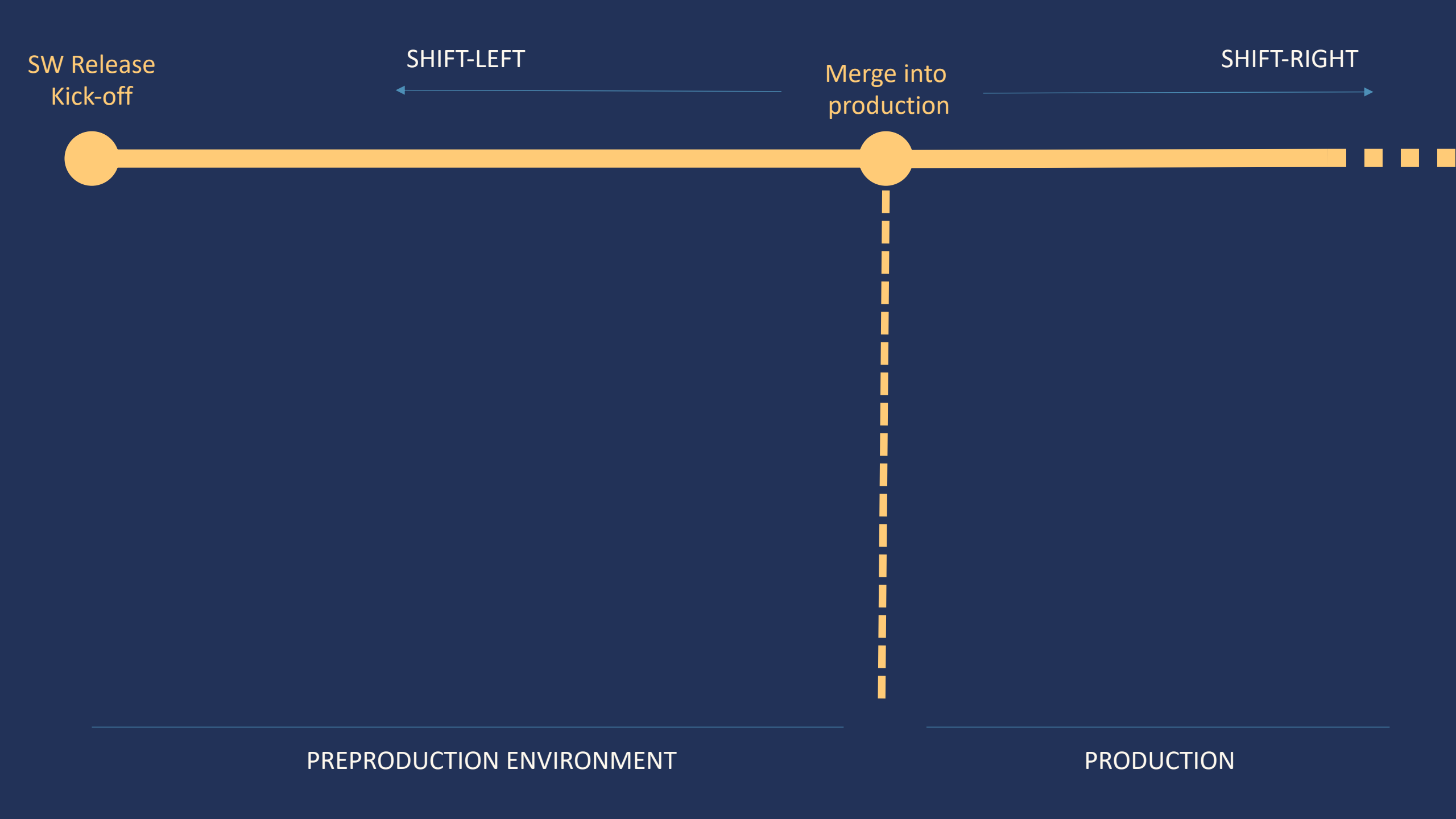
Suscríbete por 4€/mes

Pago único de 48€ el primer año.



Suscríbete por 4€ al mes

1. Acceso ilimitado a la web
2. Lee el diario de papel en digital
3. Cientos de descuentos con el Club Vanguardia
4. Acceso exclusivo a Podcasts, pasatiempos y lectura en audio de todas las notícias

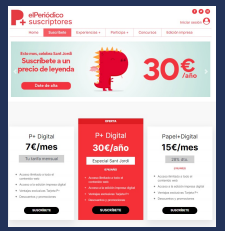

SW Release
Kick-off
SHIFT-LEFT
Merge into
production
SHIFT-RIGHT
PREPRODUCTION ENVIRONMENT
PRODUCTION

SW Release Kick-off

SHIFT-LEFT

Merge into production

SHIFT-RIGHT



UX team gets real data to validate designs

PREPRODUCTION ENVIRONMENT

PRODUCTION

HOLLYWOOD

Login | DS · Commons | UI · Visual design | Erytra-eflexis

Formacio / Login

Share

24%

Layers Assets Components

Pages

Components

Login

buttons

keyboard

buttons

Design Prototype

Page

F5F5F5 100%

Local variables

Local styles

Export

Functional Specifications
User Needs & Business objectives
Visual Design
Interface Design
Interaction Design
Information Architecture

Login | DS · Commons | UI · Visual design | Erytra-eflexis

Formacio / Login

Share

35%

Layers Assets Login

Pages

Components

Login

L-login

content-modal-login

header

content

content

Text-link

icon-left

label

icon-right

button

icon-left

label

icon-right

footer

Design Prototype

Page

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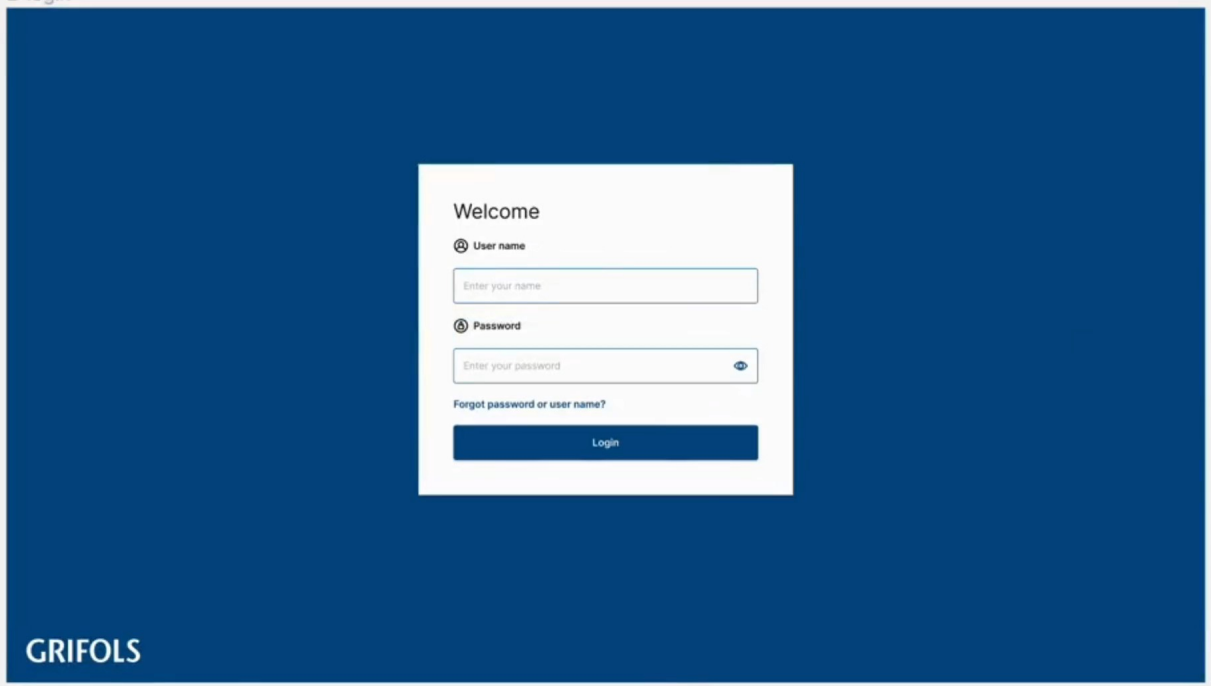
Local variables

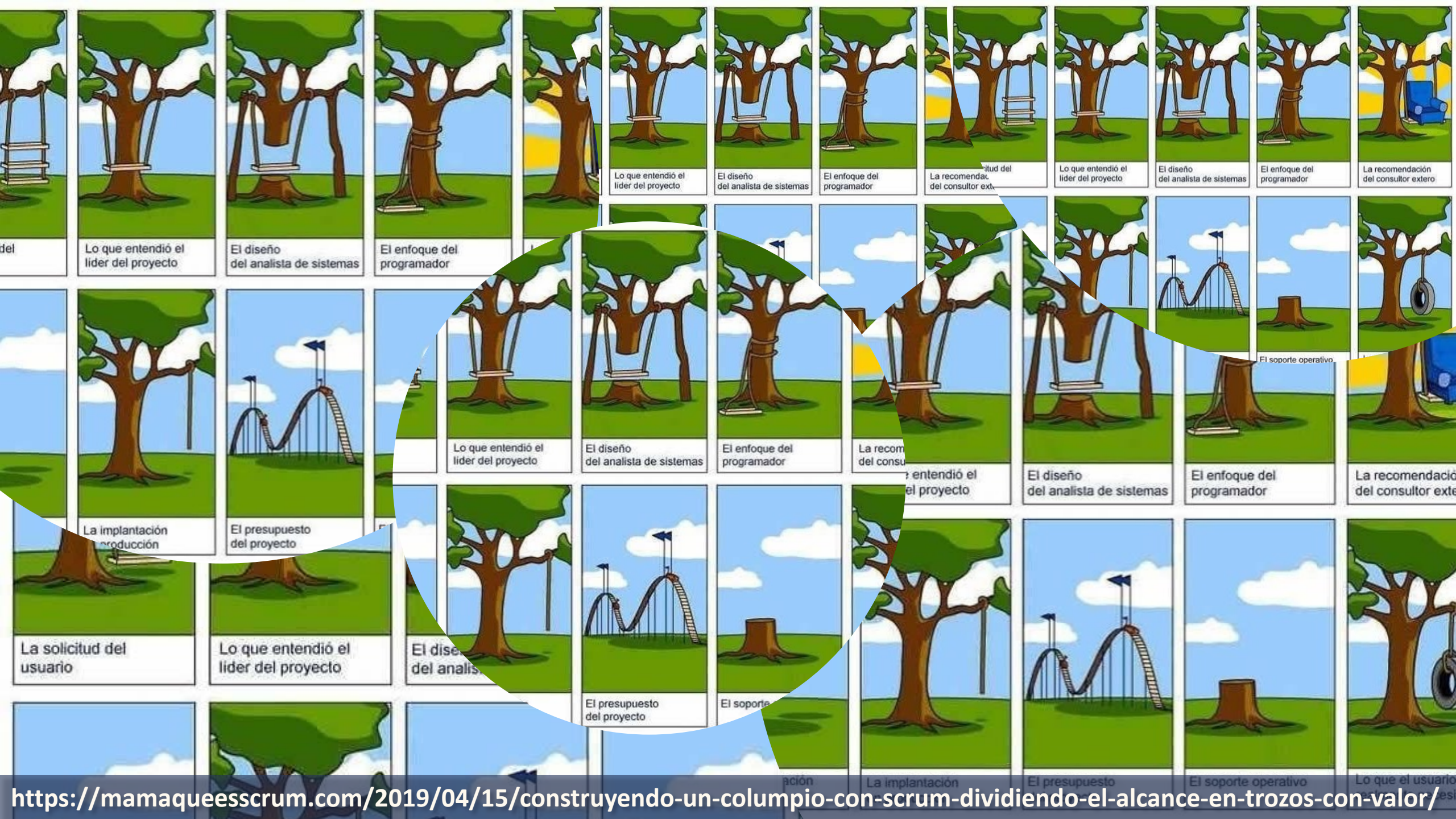
Local styles

Export

L-login



A picture is worth a thousand words, so a prototype is worth even more than that



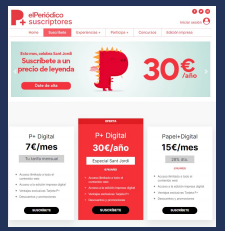
https://mamaqueesscrum.com/2019/04/15/construyendo-un-columpio-con-scrum-dividiendo-el-alcance-en-trozos-con-valor/

SW Release Kick-off

SHIFT-LEFT

Merge into production

SHIFT-RIGHT



UX team gets real data to validate designs

PREPRODUCTION ENVIRONMENT

PRODUCTION

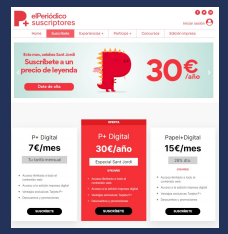
SW Release Kick-off

SHIFT-LEFT

Merge into production

SHIFT-RIGHT

UX team validate design with users using prototypes



UX team gets real data to validate designs

PREPRODUCTION ENVIRONMENT

PRODUCTION

SW Release Kick-off

SHIFT-LEFT

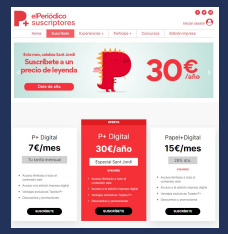
Merge into production

SHIFT-RIGHT

UX team validate design with users using prototypes

Testing team validate UX design fits all use cases

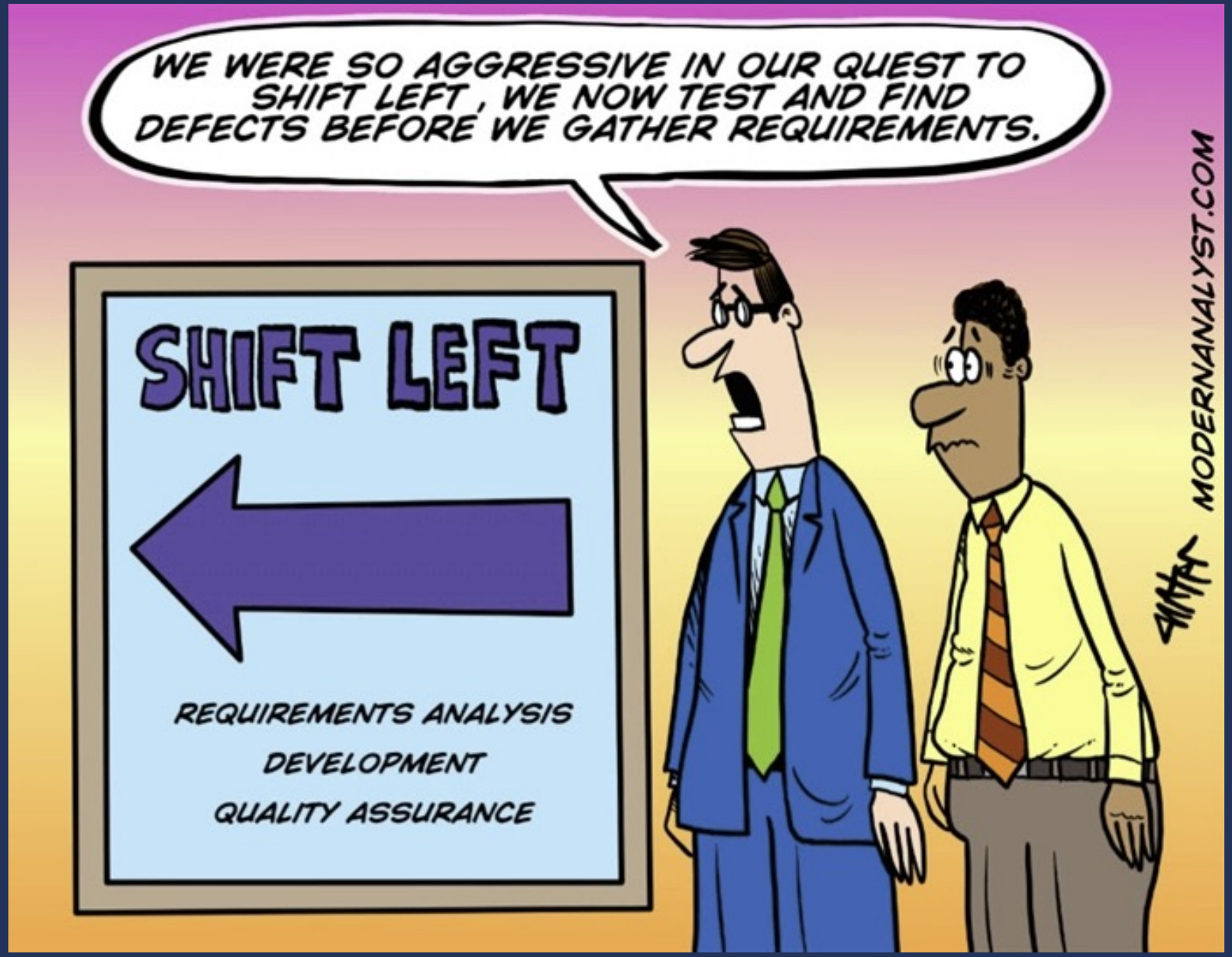
Final Specification



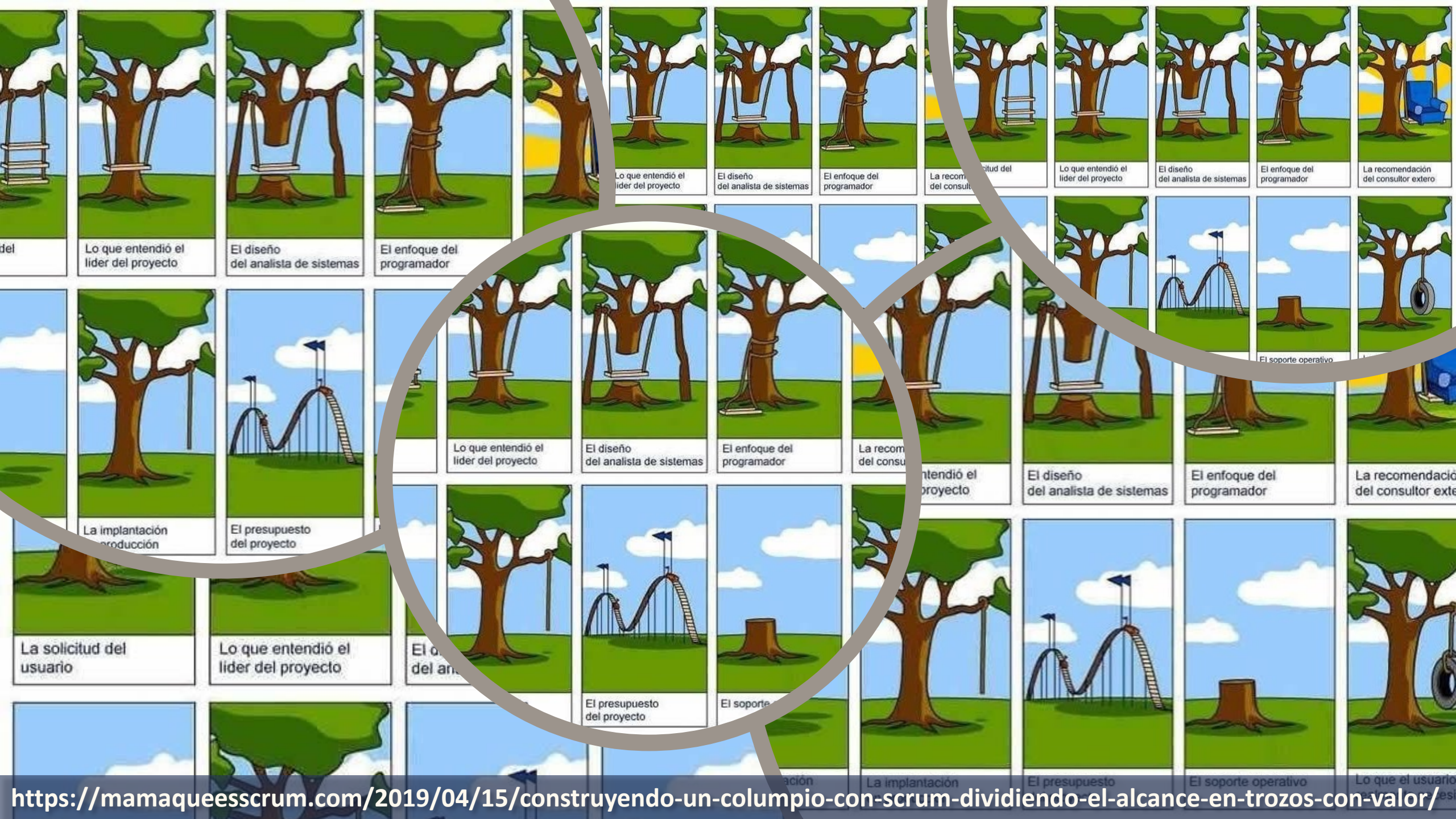
UX team gets real data to validate designs

PREPRODUCTION ENVIRONMENT

PRODUCTION


WE WERE SO AGGRESSIVE IN OUR QUEST TO SHIFT LEFT , WE NOW TEST AND FIND DEFECTS BEFORE WE GATHER REQUIREMENTS.
SHIFT LEFT
REQUIREMENTS ANALYSIS
DEVELOPMENT
QUALITY ASSURANCE
MODERNANALYST.COM

A picture is worth a thousand words, so a prototype is worth even more than that



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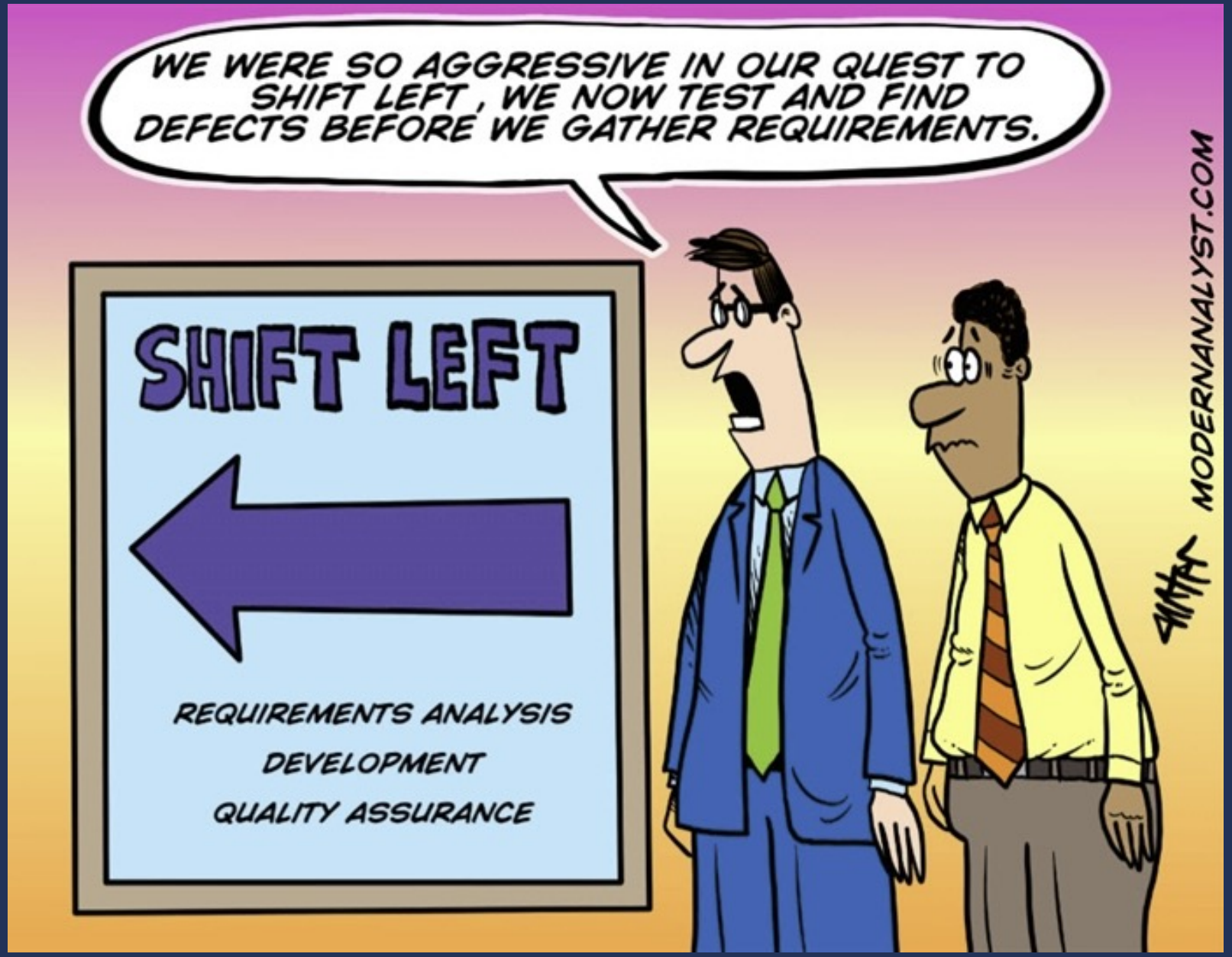


SMART GOLDEN RULE:

Involve testing team in UX processes to prototype the completeness of use cases during the design phase.

Be so aggressive like in the meme.

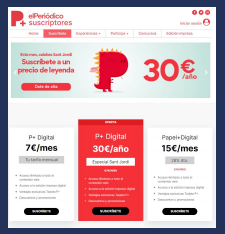
For medical devices, quality is not an option.

SW Release Kick-off

SHIFT-LEFT

Merge into production

SHIFT-RIGHT



UX team gets real data to validate designs

PREPRODUCTION ENVIRONMENT

PRODUCTION

SW Release Kick-off

SHIFT-LEFT

SHIFT-LEFT

Merge into production

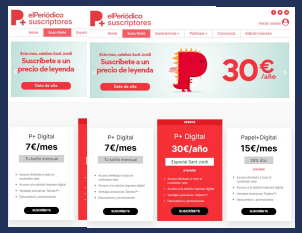
Merge into production

SHIFT-RIGHT

+ UX team validate design with users using prototypes

Specification

Testing team validate UX design fits all use cases



UX team gets real data to validate designs

PREPRODUCTION ENVIRONMENT

PREPRODUCTION ENVIRONMENT

PRODUCTION

PRODUCTION

SW Release Kick-off

SHIFT-LEFT

Merge into production

SHIFT-RIGHT

+

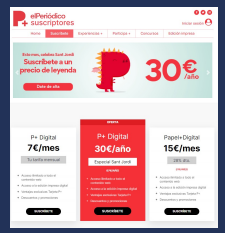
Specifications

Manual & Exploratory

E2E Test

Integration Test

Unit Test



PREPRODUCTION ENVIRONMENT

PRODUCTION

SW Release Kick-off

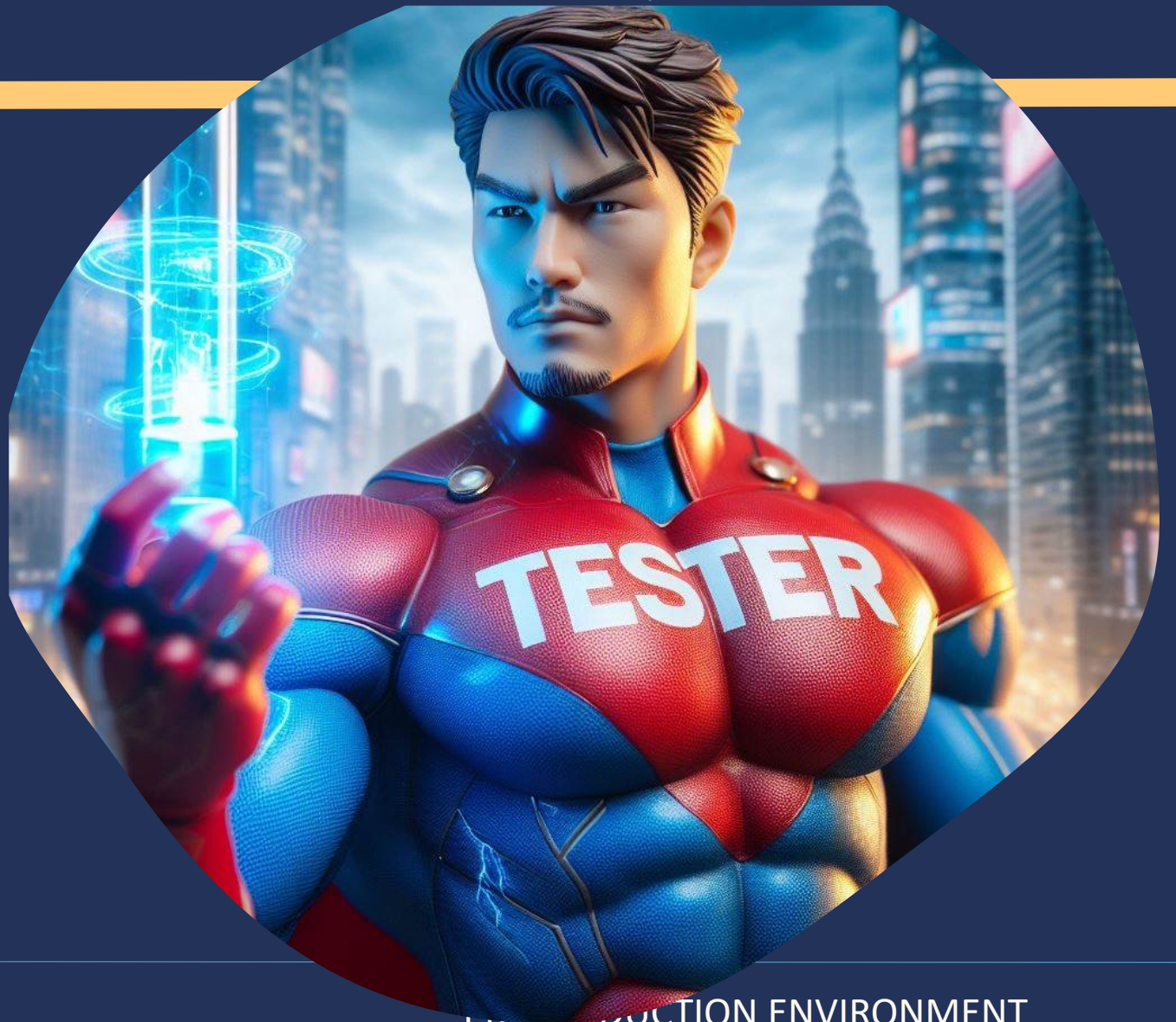
SHIFT-LEFT

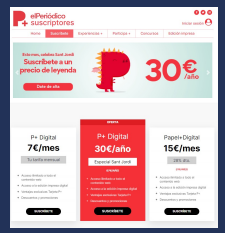
Merge into production

SHIFT-RIGHT

Specifications

+





PRE-PRODUCTION ENVIRONMENT

PRODUCTION

SW Release Kick-off

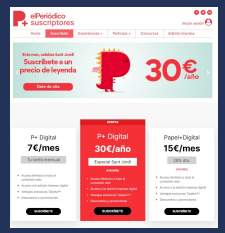
SHIFT-LEFT

Merge into production

SHIFT-RIGHT

+

Specifications



PREPRODUCTION ENVIRONMENT

PRODUCTION

SW Release Kick-off

SHIFT-LEFT

Merge into production

SHIFT-RIGHT

Exploratory Testing

+

Specification

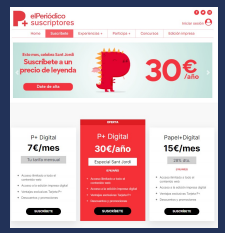
Unit Tests

Integration

REST API

Test

End to End



PREPRODUCTION ENVIRONMENT

PRODUCTION

SW Release Kick-off

SHIFT-LEFT

Merge into production

SHIFT-RIGHT

Exploratory Testing

Specifications

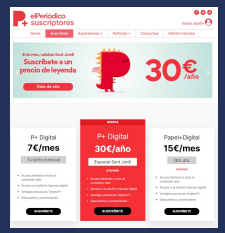
+

SMART SHIFT-LEFT

1) Unit and Integration tests are done by developers

2) Unit and Integration tests functional coverage are reviewed by testing team in collaboration with development teams.

3) Testing team performs a SMART shift-right exploratory testing



PREPRODUCTION ENVIRONMENT

PRODUCTION

SW Release Kick-off

SHIFT-LEFT

Merge into production

SHIFT-RIGHT

Exploratory Testing

+

Specification

Unit Tests

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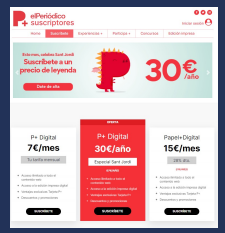
REST API

Test

End to End



PREPRODUCTION ENVIRONMENT

PRODUCTION

SW Release Kick-off

SHIFT-LEFT

Merge into production

SHIFT-RIGHT

Exploratory Testing

+

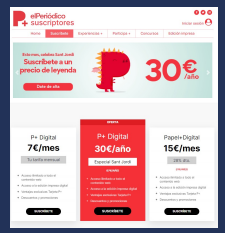
Specifications

Frontend

REST

Backend

Firmware



PREPRODUCTION ENVIRONMENT

PRODUCTION

SW Release Kick-off

SHIFT-LEFT

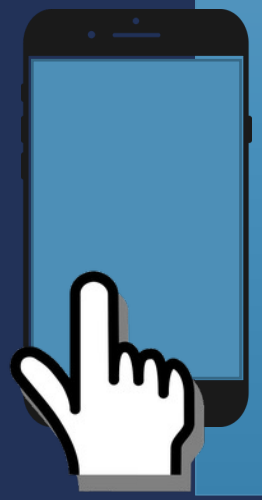
Merge into production

SHIFT-RIGHT

Exploratory Testing

+

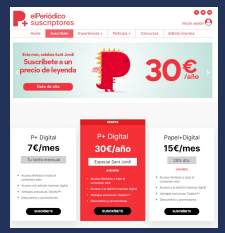
Specifications



Frontend

REST

Backend



PREPRODUCTION ENVIRONMENT

PRODUCTION

SW Release Kick-off

SHIFT-LEFT

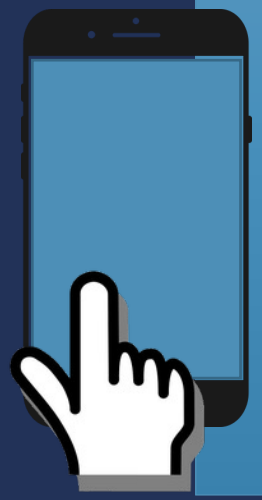
Merge into production

SHIFT-RIGHT

Exploratory Testing

+

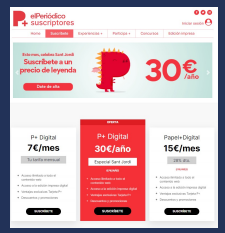
Specifications



Frontend

REST

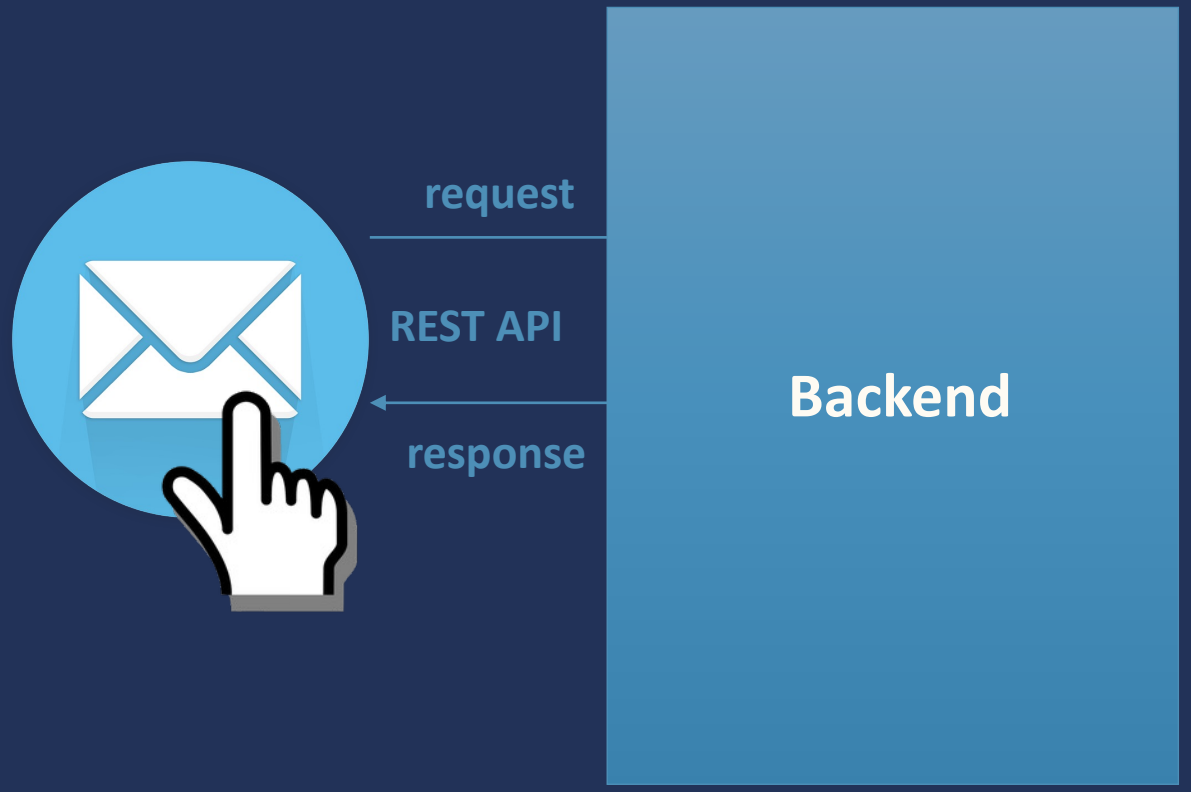
Backend



PREPRODUCTION ENVIRONMENT

PRODUCTION

KEY POINT:
TEST CASES SYMMETRY!



SW Release Kick-off

SHIFT-LEFT

Merge into production

SHIFT-RIGHT

Exploratory Testing

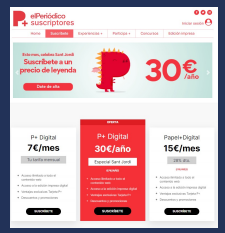
Specifications

+

THIRD GOLDEN RULE
SMART SHIFT-LEFT OR SMART "SHIFT-RIGHTING"

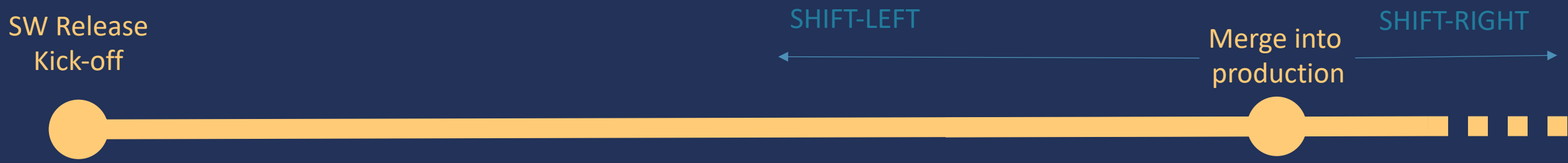
Be Smart and take the context into consideration. In the preproduction environment, shift-left as much as possible but smartly shift-righting if necessary, and consider the whole system when planning releases.

Be efficient and take communications control using symmetry in your test cases, and testing team can control integrations before they are performed.



PREPRODUCTION ENVIRONMENT

PRODUCTION



THREE GOLDEN RULES FOR A SMART SHIFT-LEFT STRATEGY

1) **Analyze your context and architecture and prepare the best strategy that fits it, shift left as much as possible but smart shift-righting if necessary. Test integrations before they being performed.**

2) **Be sure, each team is focused on what they should focus, to complement instead of overlap.**

3) **QA teams play a strategic role between development and UX teams. This is something that chat gpt cannot do for you! Take advantage of it.**

PREPRODUCTION ENVIRONMENT

PRODUCTION

expoQA 24
MADRID
May 28th, 29th, 30th 2024
Thank you for attending
expoqa.com