

Pivotal Summit 2019

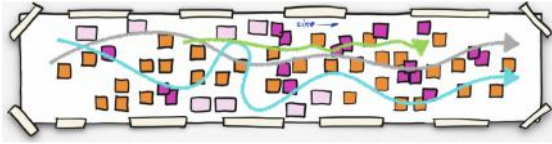
App Transformation 방법론

November 19, 2019

Amoris Hall, GS Tower

Speaker: 신혜원 Platform Architect / Pivotal

App Tx 방법론



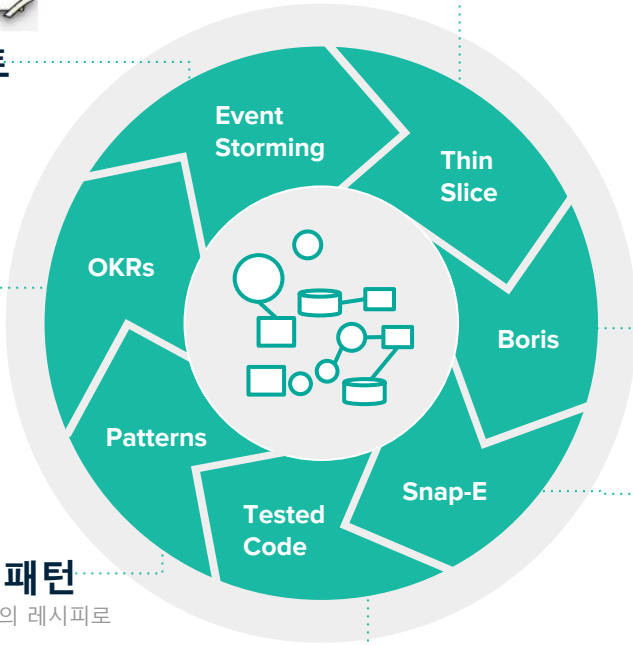
2. 기존 레거시에 대한 이벤트 스토밍

복잡한 비즈니스 영역 이해 및 문제점 식별

1. Objectives & Key Results 정의

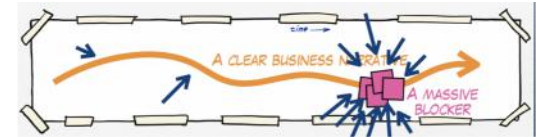
목표를 정하고 결과를 세분화하여 측정

We will objective
as measured by key results



3. "Thin Slice(s)" 선택

모놀리스를 분할하여 현대화



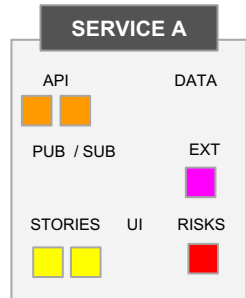
4. "Boris"로 개념 아키텍처 생성

비즈니스 기능을 연결하는 API, 이벤트 데이터 흐름을 구성



5. Snap-E

실행 가능한 유저스토리로 백로그 작성



7. 클라우드 현대화 패턴

R학습된 현대화 패턴을 콕북 형태의 레시피로 문서화 하여 재사용

6. 테스트된 실행 코드 생성

디자인 결정, 기술 패턴 선정, 유저스토리 작성. 이 작업을 매주 실행



Pivotal Summit 2019

LSIS × Pivotal AppTx experience

(For the innovation of S/W development culture)

November 19, 2019

Amoris Hall, GS Tower

Speaker: 손상기 Manager / LS산전



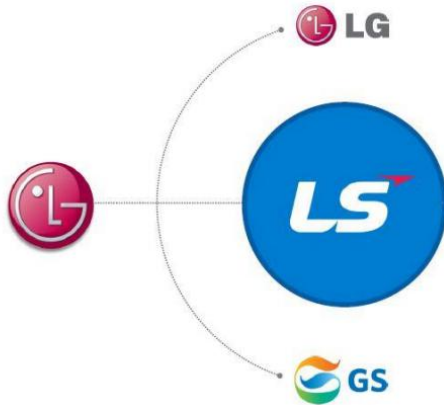
Contents

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- **Vision of LS산전**
- **AppTx 공유**
 - App Navigator
 - Delivery
- **Q&A**

About LS산전

About LSIS

1974년 설립 이후 2003년 LG그룹에서 분리 후
LS그룹에서 45년간 전력, 자동화 산업을 선도해왔습니다



About LSIS (Product)



Product	System			Smart Power Solution			Smart Automation Solution					
	<p>Photovoltaic System</p>			<p>Protection/Measurement/Meter</p> <p>Protection</p>			<p>Low Voltage</p> <p>Surge Protective Device (SPD)</p>			<p>Smart Factory System</p>		
	<p>Energy Storage System (ESS)</p>			<p>Measurement</p>			<p>Medium Voltage</p> <p>Vacuum Circuit Breaker (VCB)</p>			<p>SCADA</p>		
	<p>High Voltage Direct Current System (HVDC)</p>			<p>Motor</p>			<p>Vacuum Contactor</p>			<p>PLC</p>		
<p>Switchgear/Busway</p> <p>10 Switchgear</p>			<p>Electric Meter Protection Relay (EMPR)</p>			<p>MV Switch</p>			<p>Drive</p>			
<p>Modular Substation</p>			<p>AC Protection System</p>			<p>Air Circuit Breaker (ACB)</p>			<p>Servo System</p>			
<p>Gas Insulated Switchgear (GIS)</p>			<p>Data Device</p>			<p>DC Device</p>			<p>Generator</p>			
<p>Transformer</p> <p>Power X, Core Type X, Oil XL</p>												

Vision of LS산전

Digital Transformation in LSIS

LS산전의 DT(Digital Transformation)의 영상



Digital Transformation in LSIS

LS산전은 현재 **DT와 삼귀는** 상태

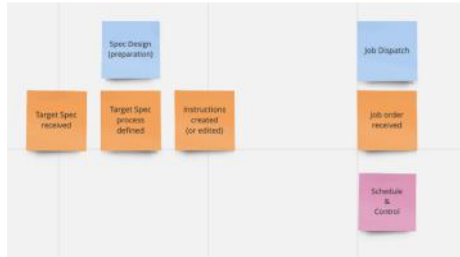
삼귀(3)다 : 사귀(4)기 전 상태의 신조어

Sweet Spot을 찾아~

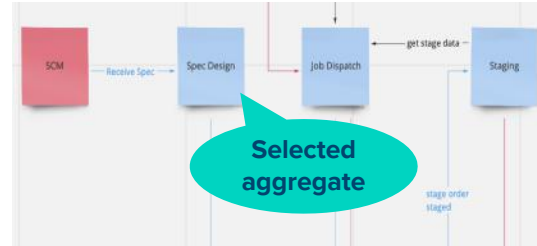
AppTx 공유

About AppTx

1. From Event Storming

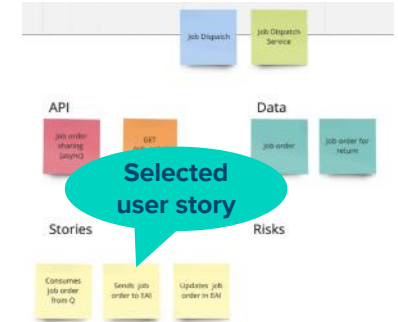


2. To Boris



Deliverables

3. To Snap-E



6. To Cookbook of Patterns



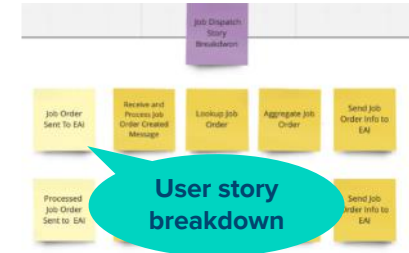
5. To tested and working code



Low-level design decisions:

1. Use MQ as async interface for receiving job orders
2. Define Job Order Event entity(data received)
3. Define REST API for job order lookup...

4. To story breakdown



App Navigator



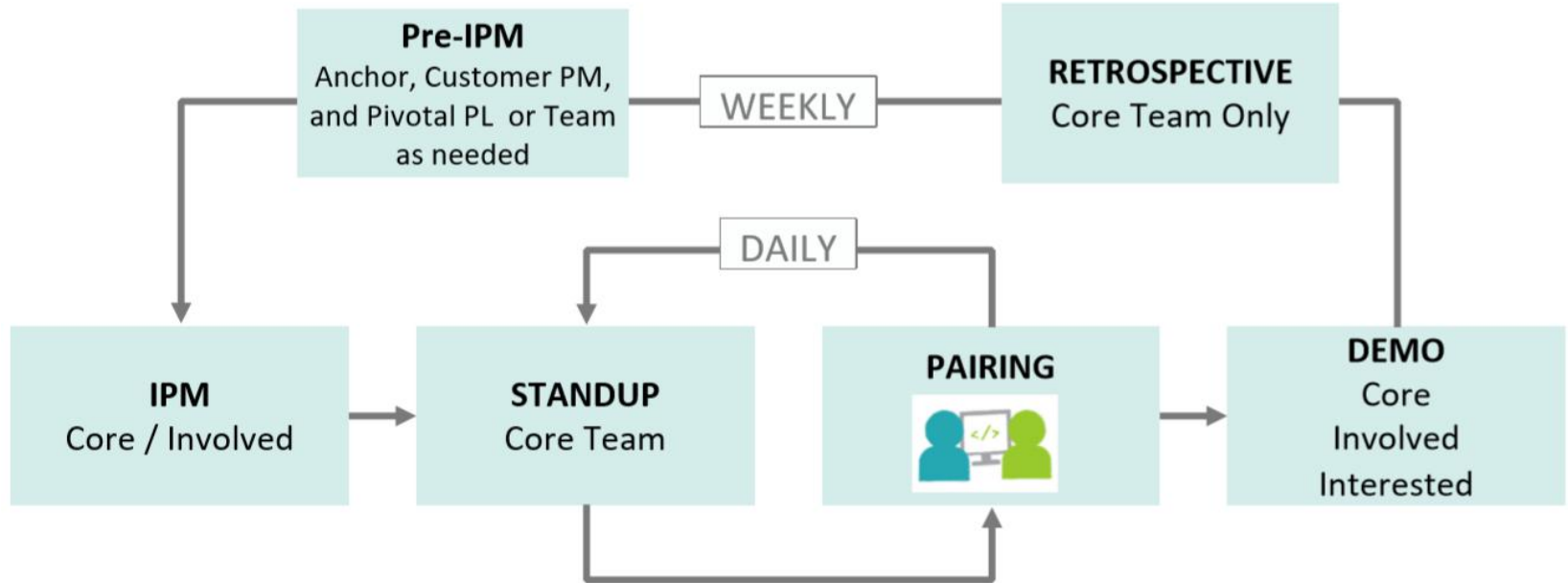
App Navigator를 통해

우리는 고객을 이해하는 방법이 아니라 **고객이 되었습니다.**

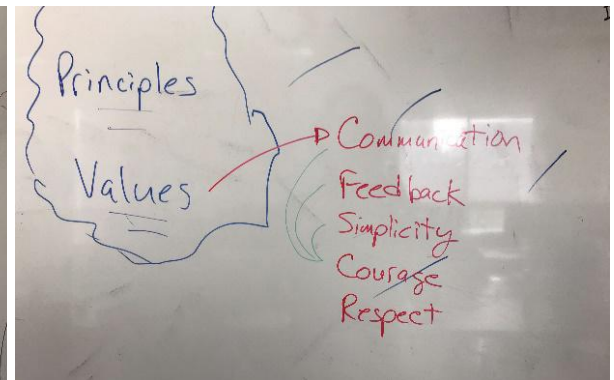
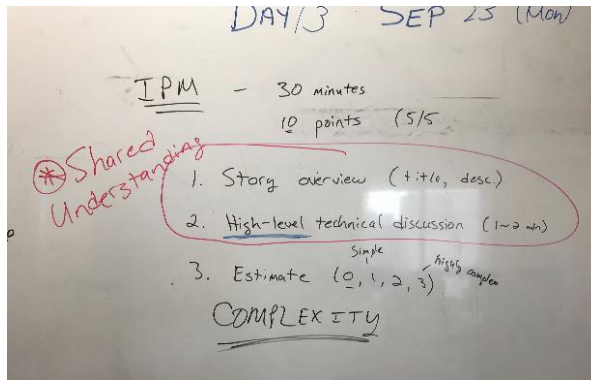
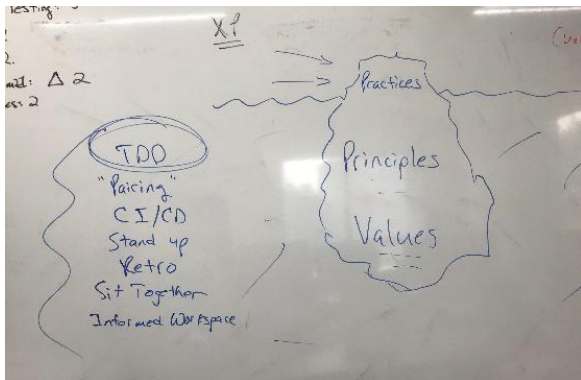
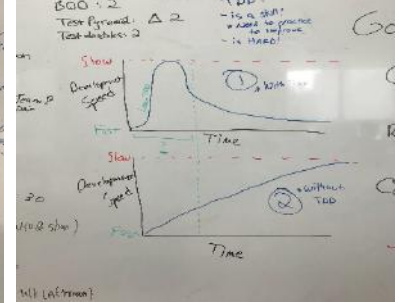
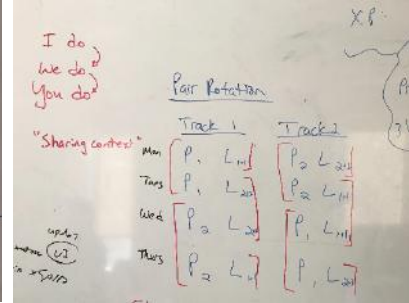
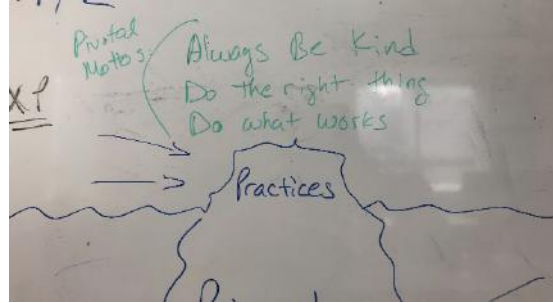
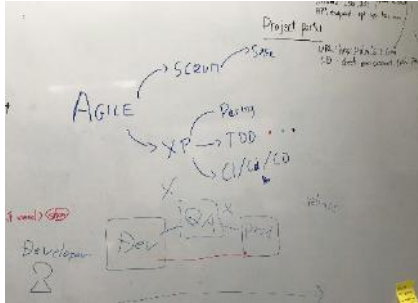
- **Event Stoming**을 통해 고객의 생각을 알게 되었으며
- **Boris**를 통해 고객의 생각의 흐름 알게 되었으며
- **SNAPe**를 통해 구체화 할 수 있었습니다.

이 모든 것을 같이 함께 했습니다. **(One Team!)**

Delivery A week in the life



Delivery Way

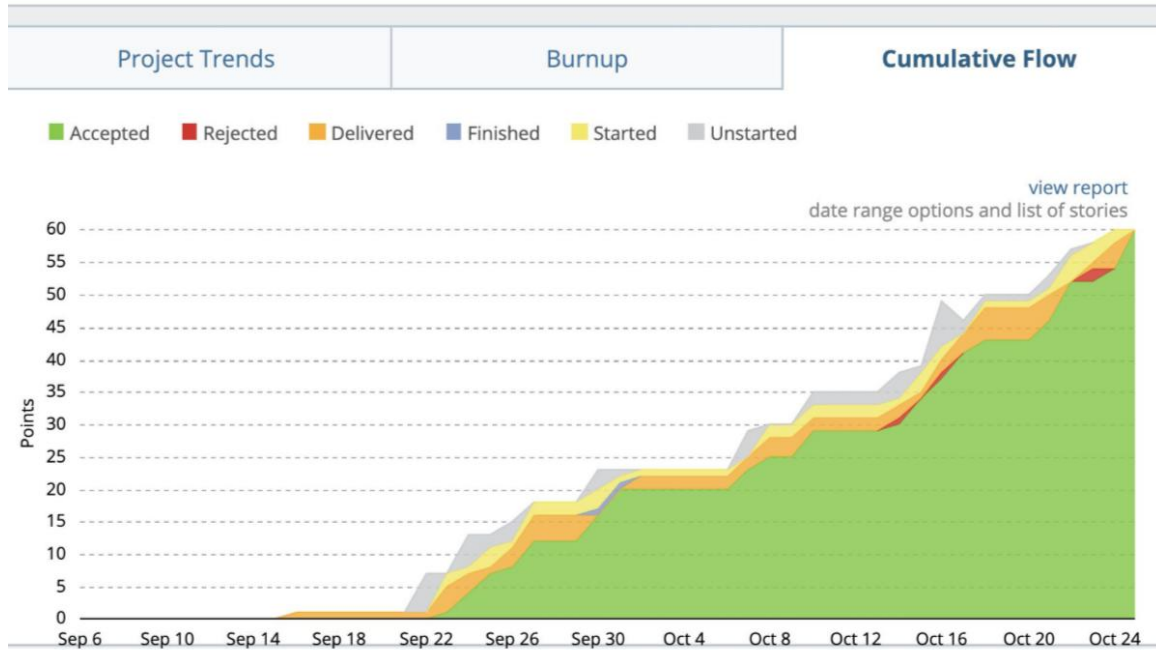


Delivery Do



Delivery Progress

Project Overview



Conclusion

우리는 기술만이 아니라 Team이 되는 것을 **직접** 했습니다.

그리고 우리는 **고객을 위한** S/W를 **적시**에 배포하는 팀에 되길 위해 달려가고 있습니다.

Always be **Kind**

Do the **right** thing

Do what **works**

LS산전 오늘부터 1일 !!

Q&A

Thank you

PM Saho, Shon

SA Dariusz, Derek, Jared, Guixin, Soya, Lee, EunTae, Kelee

UI/UX Erin, Yun