
Experiences Linking Business Architecture with an Agile/Lean Development Method

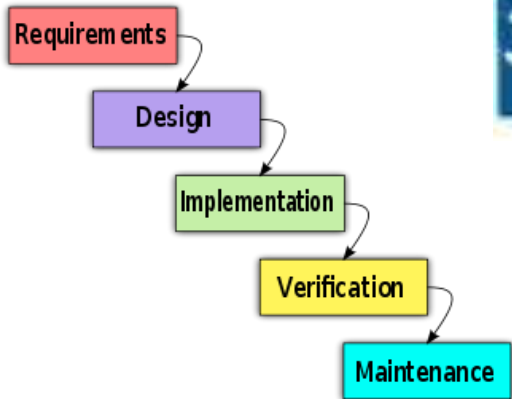
Agenda

- Setting the stage
- Business Architecture within MasterCard
- Agile within MasterCard
- Linking the two together

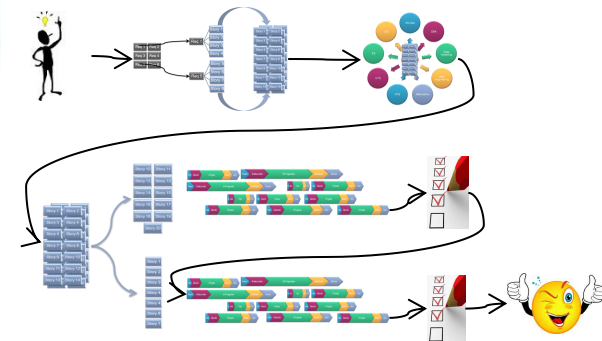
MasterCard is a combination of legacy and emerging



Legacy



Emerging



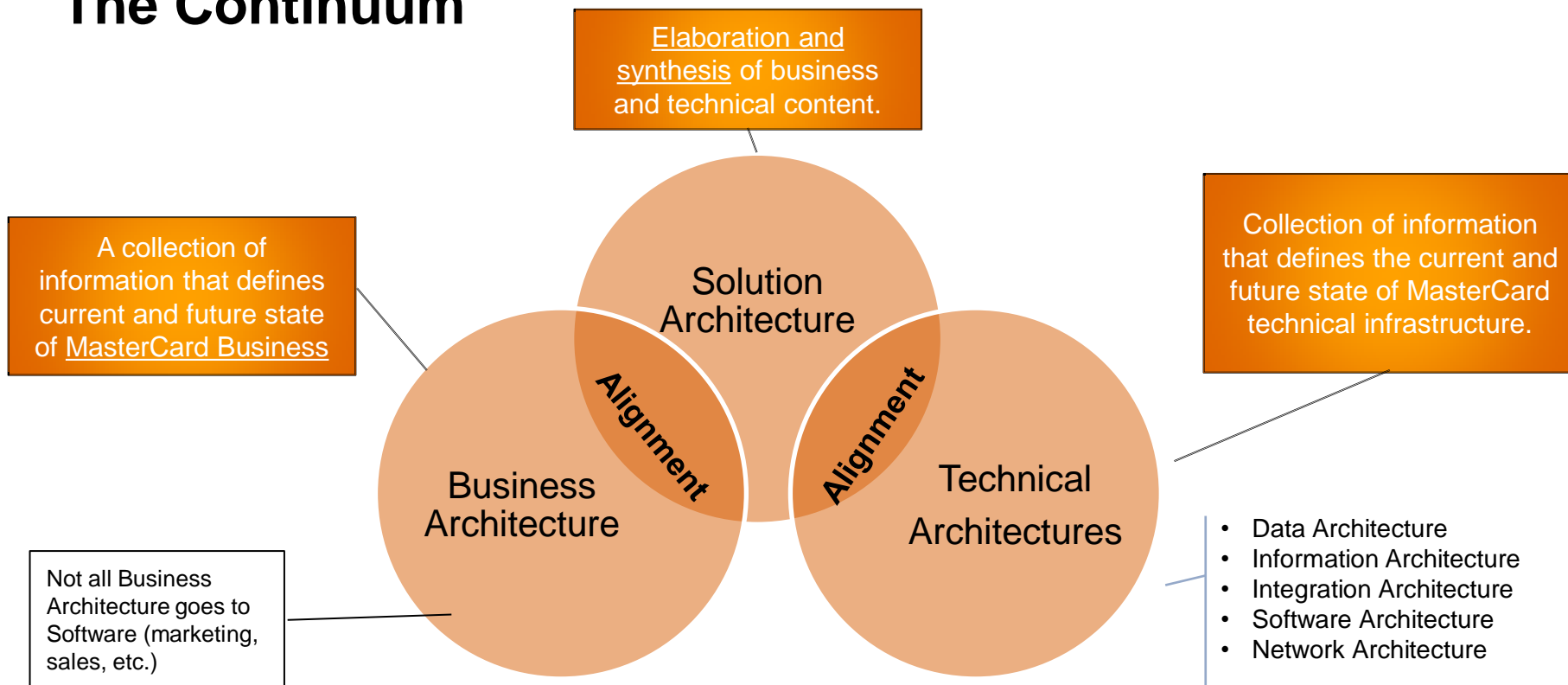


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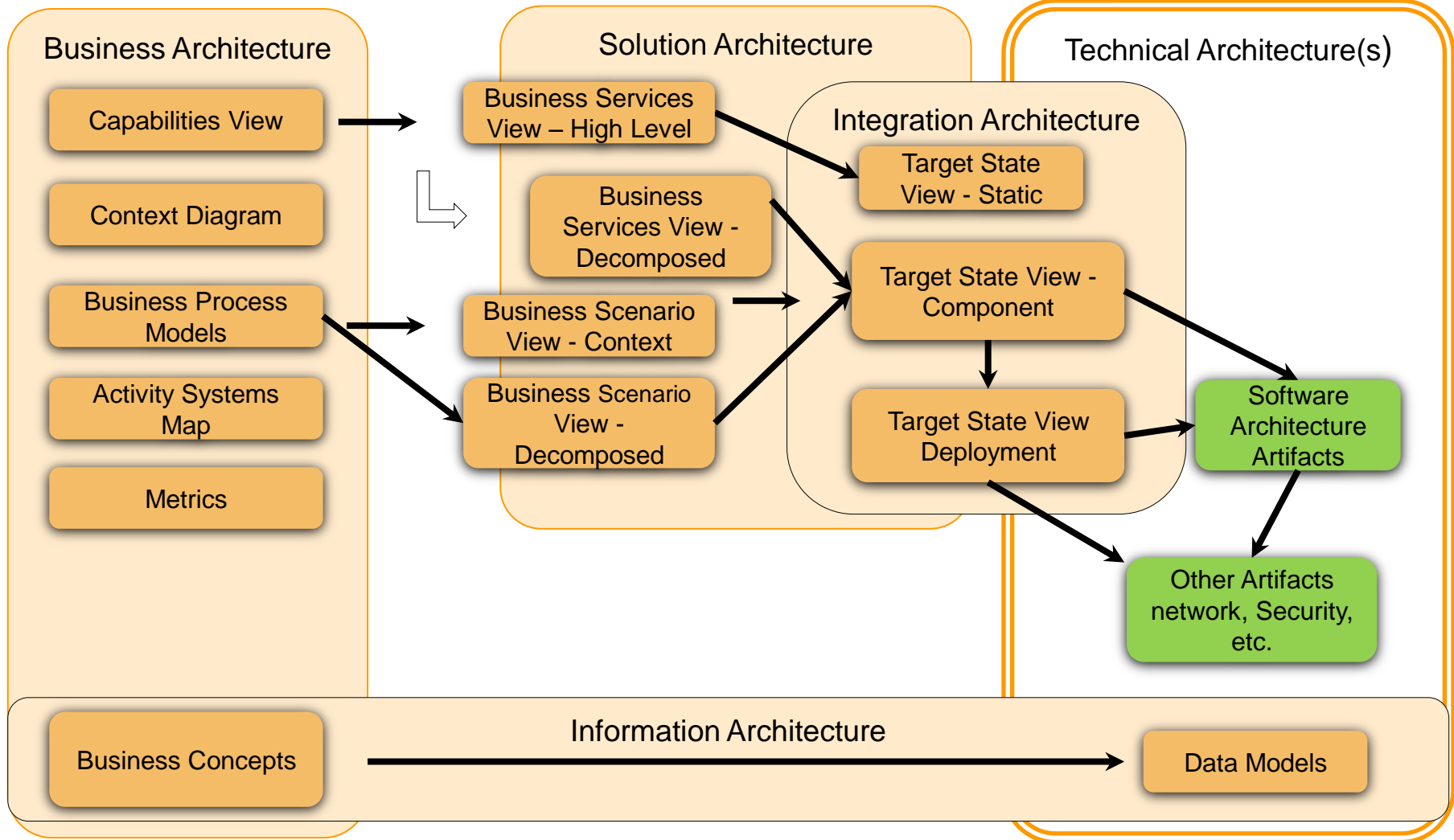
Business Architecture

How the Architectures Work Together

The Continuum

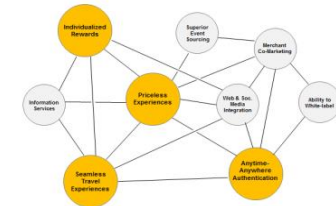


Enabling the IT Life Cycle



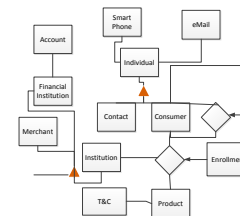
Activity System Map (ASM)

ASM models illustrate the relationships between key activities in an organization such as sales, finance or IT that create competitive advantage and lead to a significant market differentiation.



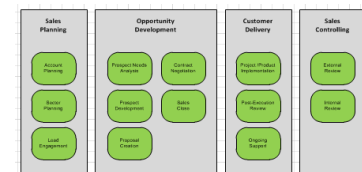
Business Concepts(BC)

BC models capture the semantics of key words used to describe the business domain. The BC is also considered part of the Information Architecture.



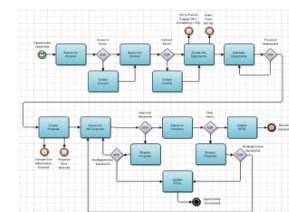
Capability Map (CM)

CM models show the specific capabilities of an organization. These often differ from the activities and processes in that they focus on the ability to deliver products and services rather than on how and when to do something.



Business Process Models (BPM)

High-level BPM show the chronological sequence of activities to perform a given task such as customer on-boarding, contract closure or lead generation.

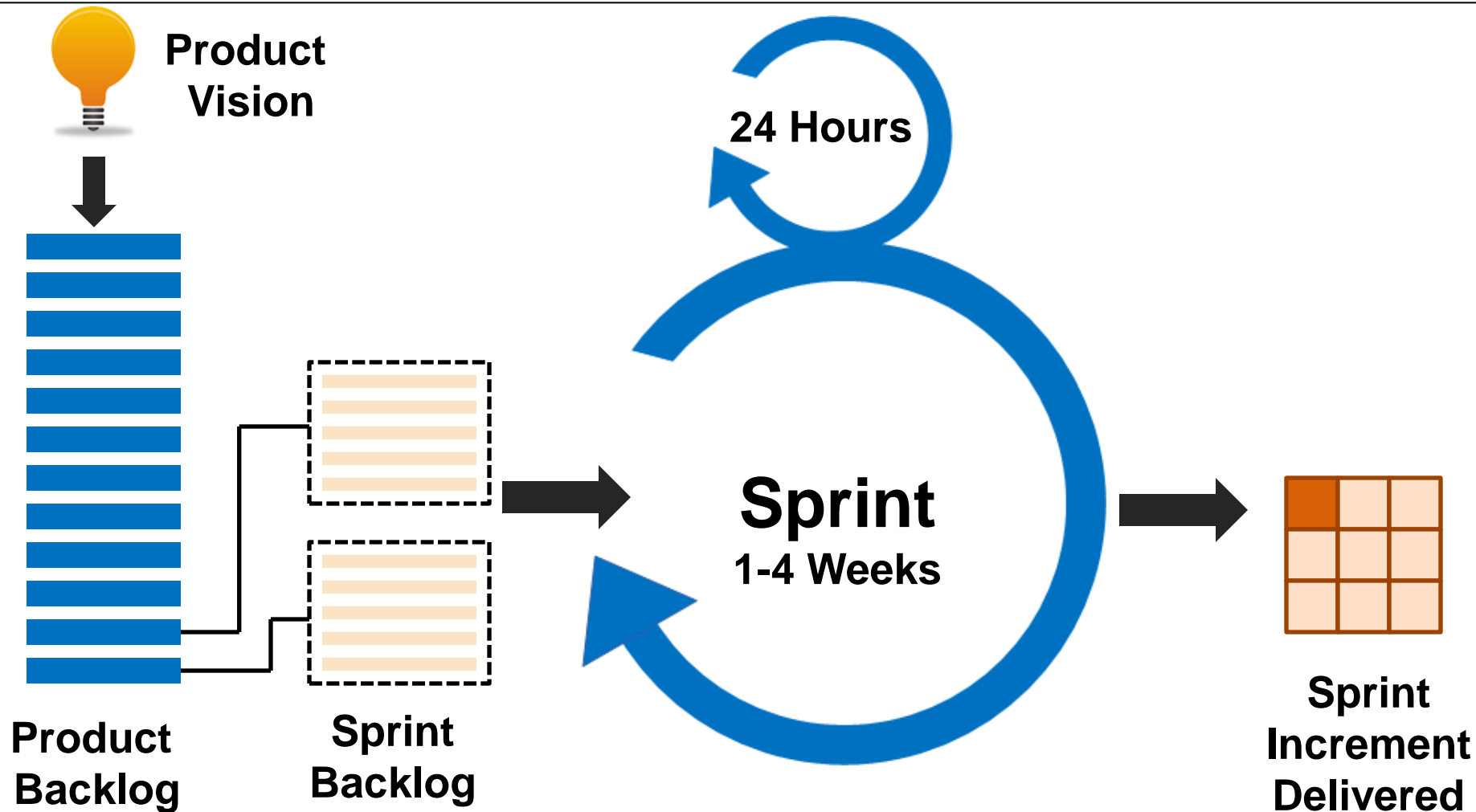




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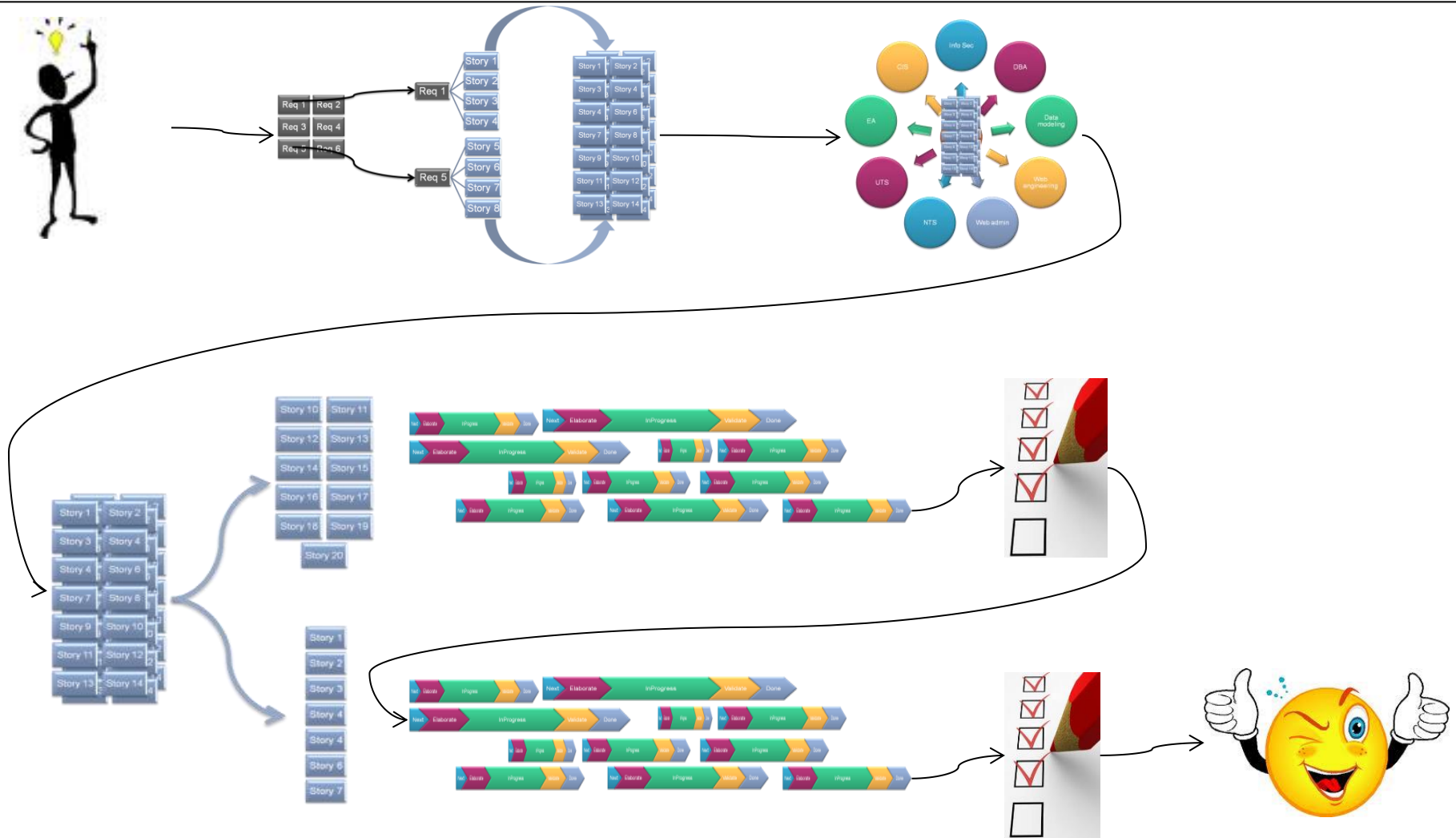
Agile within MasterCard

Scrum is a lightweight project management process

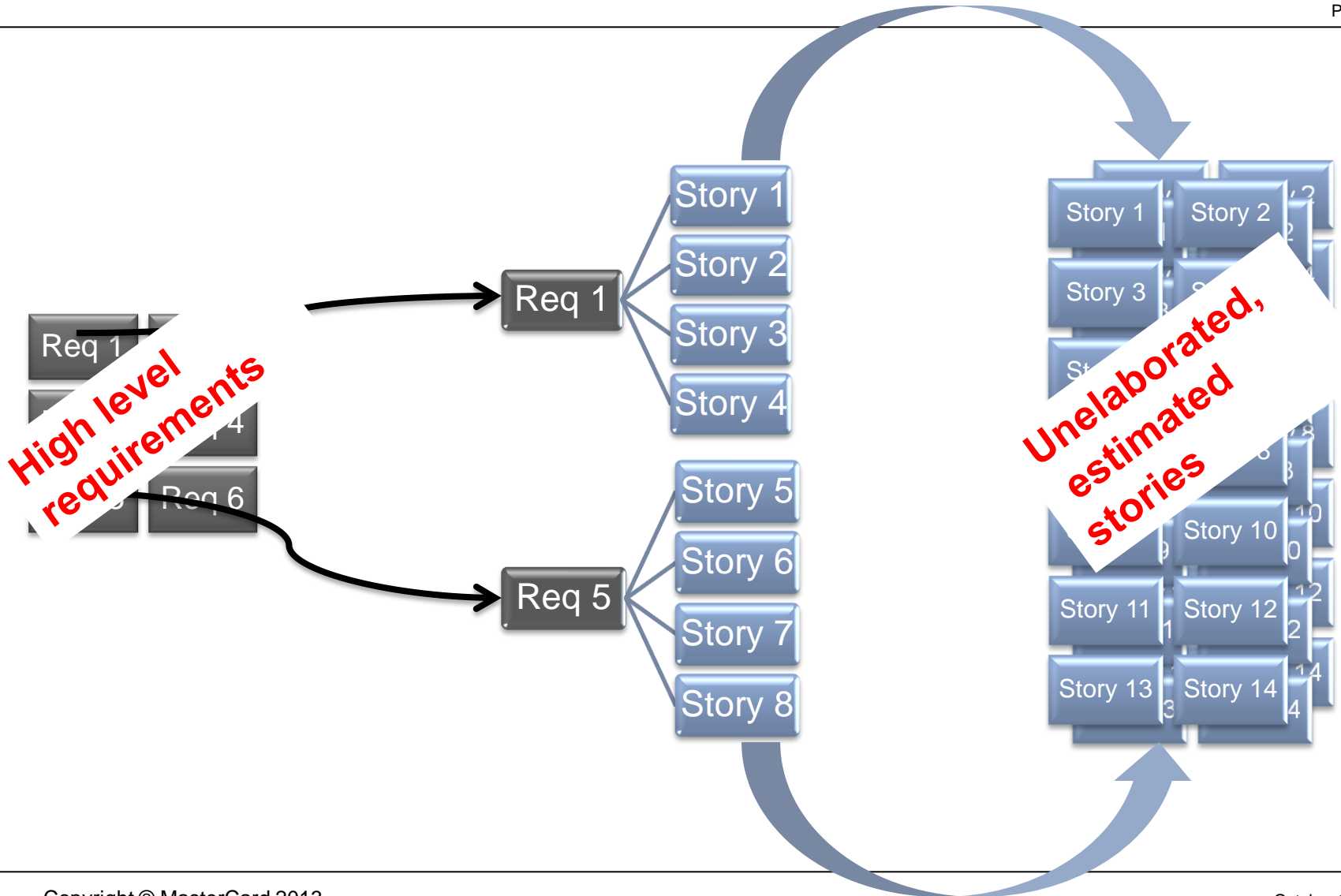




ADAPT lifecycle



Requirement breakdown





MasterCard

Bringing the two together

The intersection of BizArch and Agile

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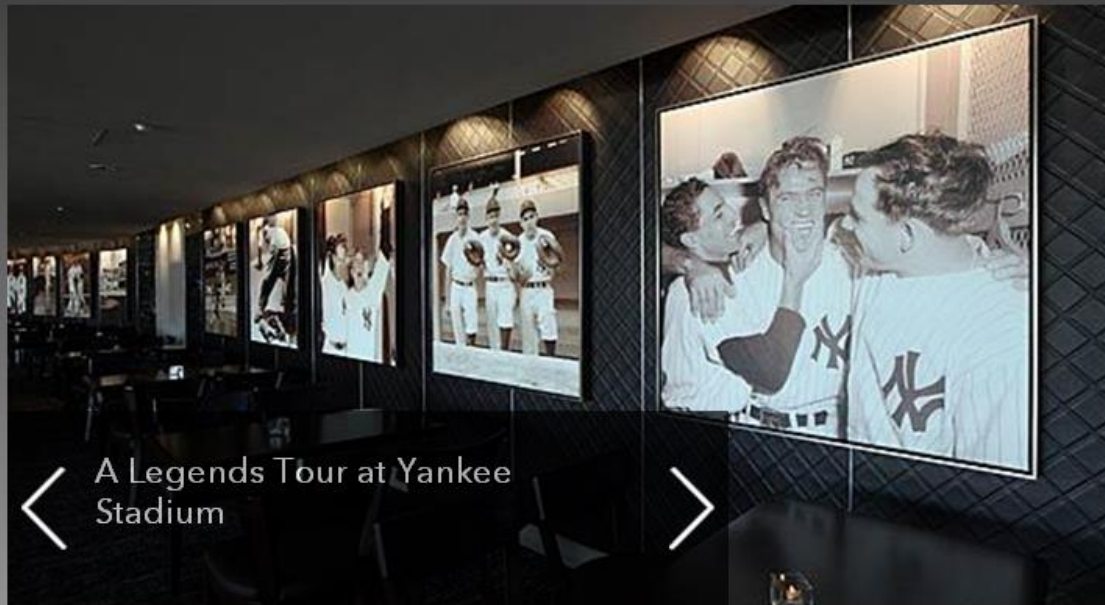
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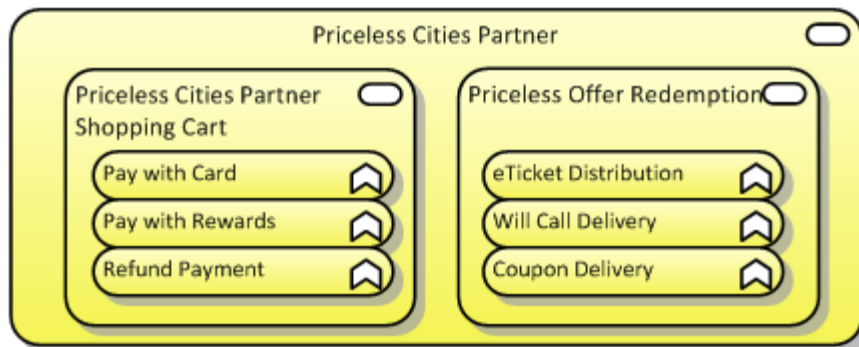
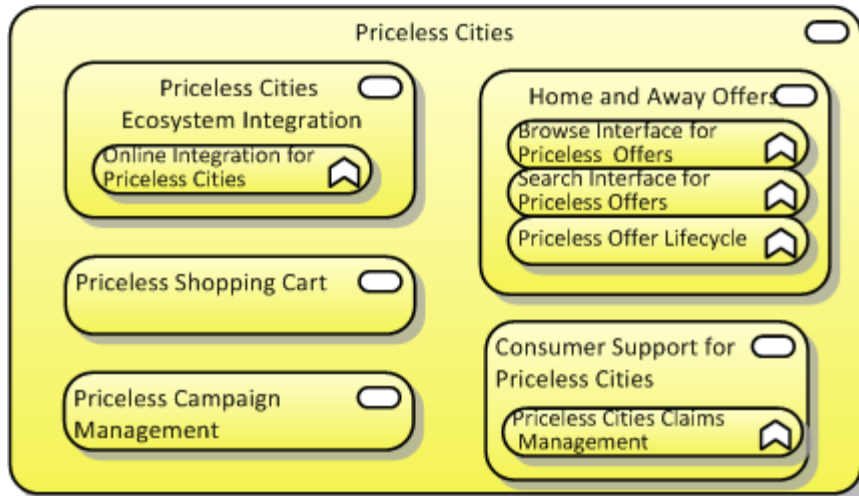
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ACCESS OFFERS

A fragment of the Business Architecture






A fragment of the Solution Architecture



A fragment of the Agile backlog

Issue Type	Key	Summary
Epic	AE-24	Rewards Redeem Analysis
Epic	AE-23	Rewards Balance Analysis
Epic	AE-17	SSO Issuer to MC
Epic	AE-11	Registration
Story	AE-90	Knowledge of Priceless Cities platform and road map
Story	AE-89	Knowledge of Priceless Cities templates and themes
Story	AE-88	Process for Priceless Cities Updates
Story	AE-85	MasterCard Standards for Up-time
Story	AE-84	Load/Capacity Process
Story	AE-83	Browser Support
Story	AE-82	Maintenance Windows
Story	AE-81	Monthly Analytics Reports
Story	AE-80	Include Analytics Tags
Story	AE-79	Process to Monitor Server
Story	AE-73	Transactional Emails
Story	AE-72	Offer Reminders
Story	AE-71	General Public Offers
Story	AE-70	Ability to Purchase Offers
Story	AE-69	Display Home and Away Offers
Story	AE-63	Admin Support
Story	AE-62	Target Offers
Story	AE-61	Home and Away Offers

-  Meta Story
-  New Actor
-  Match

Findings

- Need to collaboratively build decomposed levels of Solution Architecture and Epic Stories.
- Meta stories need to be designated so that traceability is not an issue.

Many people at MasterCard helped make this presentation possible



- Vijay Bhuvanagiri – High level development of the Enterprise Architectures
- Yansheng Wei – Developed structure of the Solution Architecture
- Chris Hanebeck – Introduced ASMs and BPM to Business Architecture
- Wayne Borgmeyer – Developed the Solution Architecture for Priceless Cities
- Jami Markley – Developed the User Stories for Priceless Cities