Building a Shared Understanding: BDD Requirements Discovery

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Discovering the Requirements, BDD Style

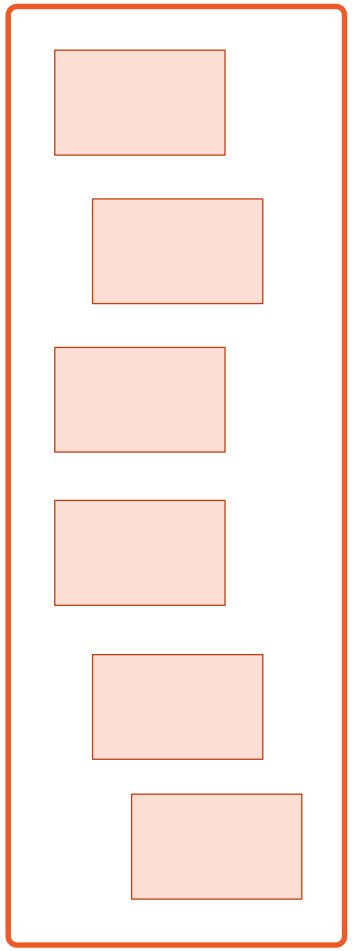
“The Three Amigos”

Business

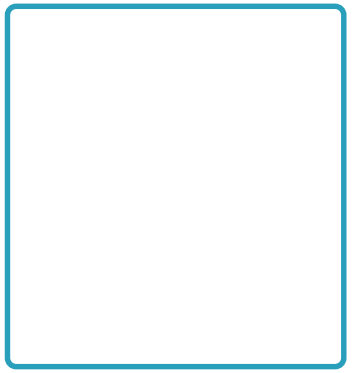
Development

QA

Discovering the Requirements, BDD Style

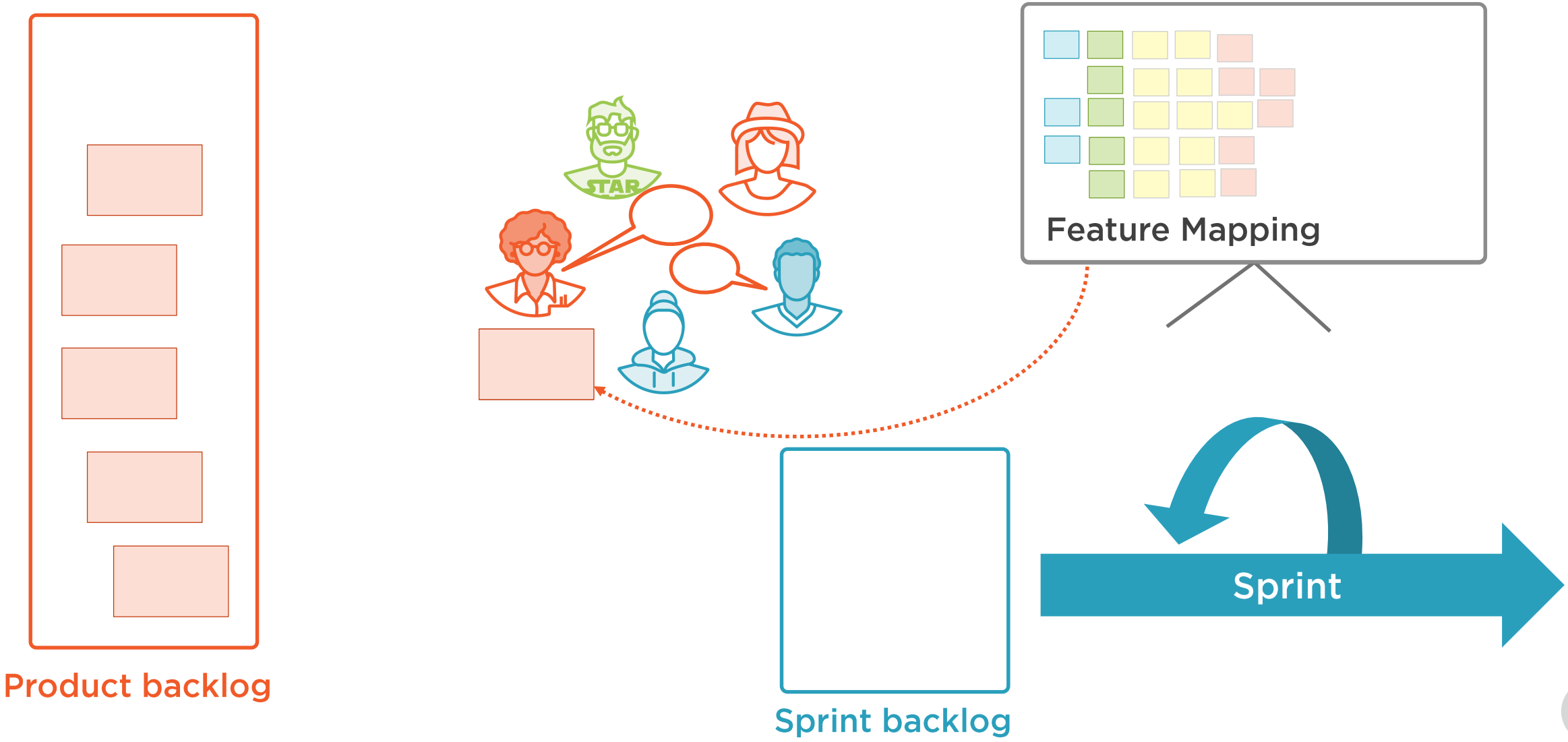


Product backlog



Sprint backlog

Discovering the Requirements, BDD Style



The Morning Freshness Team

Sam the smoothie maker

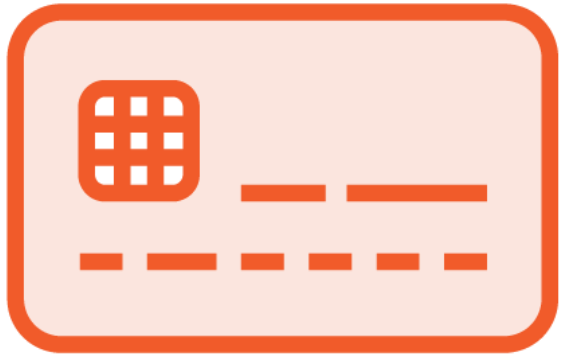
Belinda the business analyst

Dave the developer

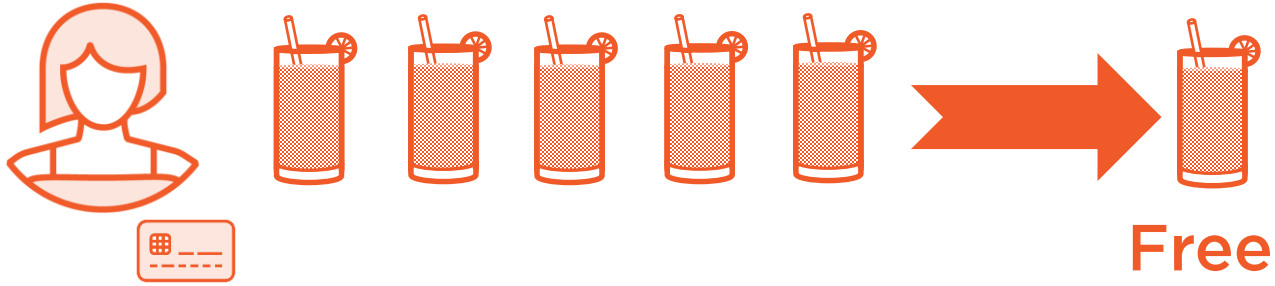
Tess the tester

Sam Has a Problem to Solve

Sam Has a Problem to Solve



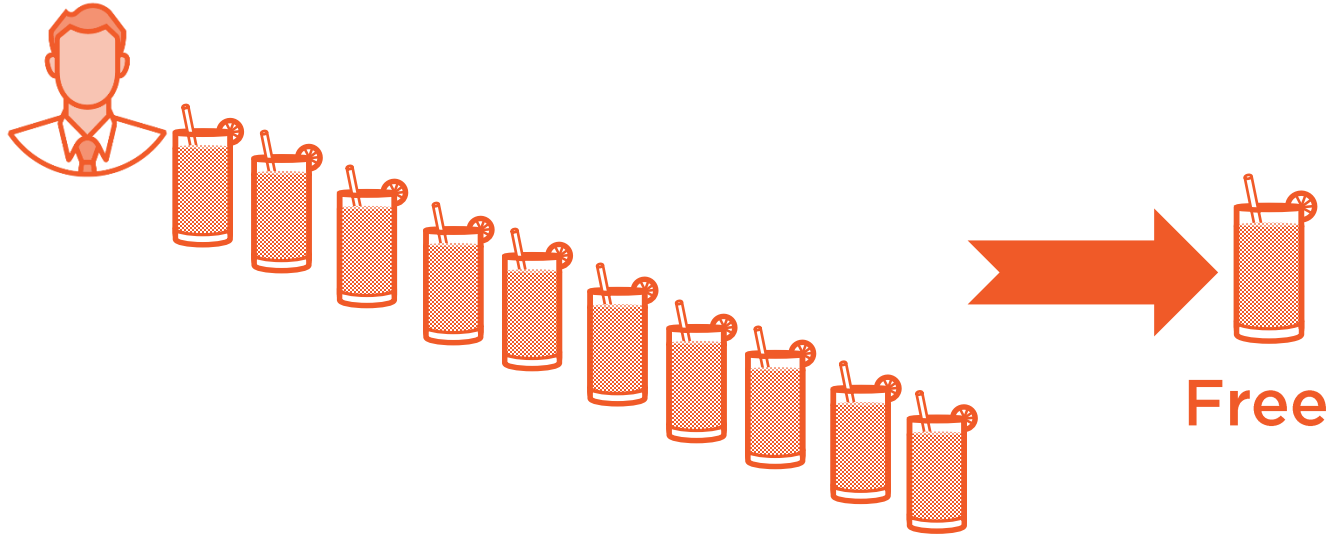
Super smoothie loyalty card



Free

“Can You Give Me an Example?”

Members can get free smoothies after a number of purchases



“Can You Give Me an Example?”

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Members can get free smoothies after a number of purchases

The one where Michael gets a free smoothie

Michael buys 10 banana smoothies

He orders another banana smoothie

→ The smoothie is free

“Can You Give Me an Example?”

Members can get free smoothies after a number of purchases

The one where Michael gets a free smoothie

Michael has a loyalty card

Michael buys 10 banana smoothies

He orders another banana smoothie

→ The smoothie is free

“Can You Give Me an Example?”

Members can get free smoothies after a number of purchases	The one where Michael gets a free smoothie	Michael has a loyalty card	Michael buys 10 banana smoothies	He orders another banana smoothie	→ The smoothie is free
	The one where Michael wants a fancy smoothie	→	He buys 14 banana smoothies	He orders a triple berry blend	→ The smoothie is free
	The one where Michael doesn’t have enough points	→	He buys 13 banana smoothies	He orders a triple berry blend	→ Mike needs to pay

“Can You Give Me an Example?”

A drink of category	Such as	Earns
Regular smoothie	Banana	15
Fancy smoothie	Triple berry blend	20

“Can You Give Me an Example?”

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Tea	Earl grey	10
Coffee	Cappuccino	12

“Can You Give Me an Example?”

Members can get free smoothies after a number of purchases

The one where Michael gets a free smoothie	Michael has a loyalty card	Michael buys 10 banana smoothies	He orders another banana smoothie	→ The smoothie is free
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Coffee	Cappuccino	12

“Can You Give Me an Example?”

Members can get free smoothies after a number of purchases

```
Scenario: Michael gets a free smoothie
   Given Michael is a Morning Freshness member
   And he has bought 10 "Banana" smoothies
   When he orders another "Banana" smoothie
   Then his smoothie should be free
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Example Mapping and Feature Mapping

BDD Requirements Discovery Practices

Tables and whiteboards

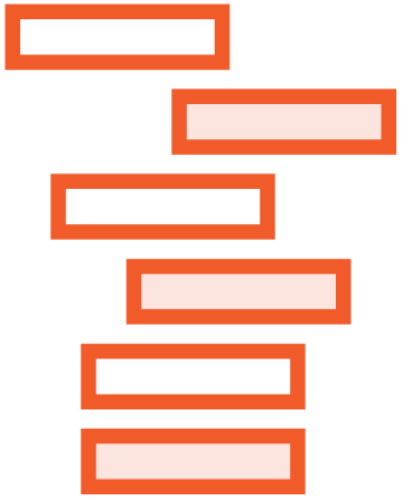
Example Mapping

Feature Mapping

BDD Requirements Discovery Practices

Tables and whiteboards

Example Mapping



Feature Mapping

Tables

A drink of category	Such as	Earns
Regular smoothie	Banana	15
Fancy smoothie	Triple berry blend	20
Tea	Earl grey	10
Coffee	Cappuccino	12

Business rule | **Sample input** | **Expected output**

Example Mapping

Rule	Rule	Rule
Example	Example	Example
Example		Example
		Question

Example Mapping

"Buy one, get one free" special deal

Free drink must be of an equal or lower category

The special only applies to drinks

The one where Mike orders two banana smoothies

The one where Mike orders a banana smoothie and a croissant

The one where Mike orders one banana and one triple berry blend

Feature Mapping

Rule	Example	Step	Step	→ Outcome
	Example	Step	Step	→ Outcome
Rule	Example	Step	Step	→ Outcome

Feature Mapping

Members can get free smoothies after a number of purchases	The one where Michael gets a free smoothie	Michael has a loyalty card	Michael buys 10 banana smoothies	He orders another banana smoothie	→ The smoothie is free
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Summary

What have you learned?

- BDD always starts with a conversation
- Teams use techniques like Example Mapping and Feature Mapping to focus these conversations
- These examples form the basis of the Gherkin scenarios