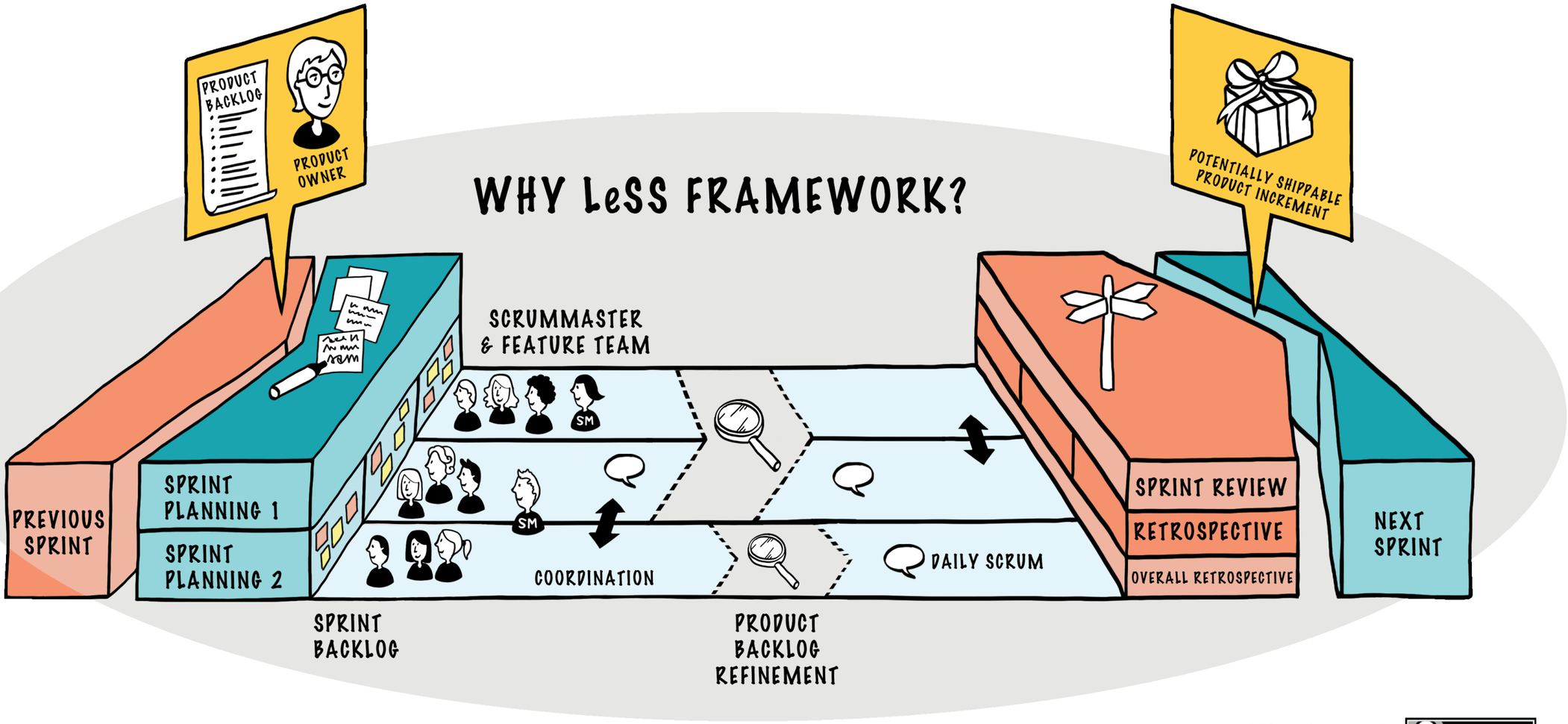
Version 20230920

Why ATDD is important in a multi-team environment

Markus Gärtner
it-agile GmbH

Multi-Team Environment



http://less.works CC BY-ND

Technical Excellence

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SPECIFICATION BY EXAMPLE

CONTINUOUS INTEGRATION

CONTINUOUS DELIVERY

TEST AUTOMATION

TECHNICAL EXCELLENCE

ARCHITECTURE & DESIGN

ACCEPTANCE TESTING

THINKING ABOUT TESTING

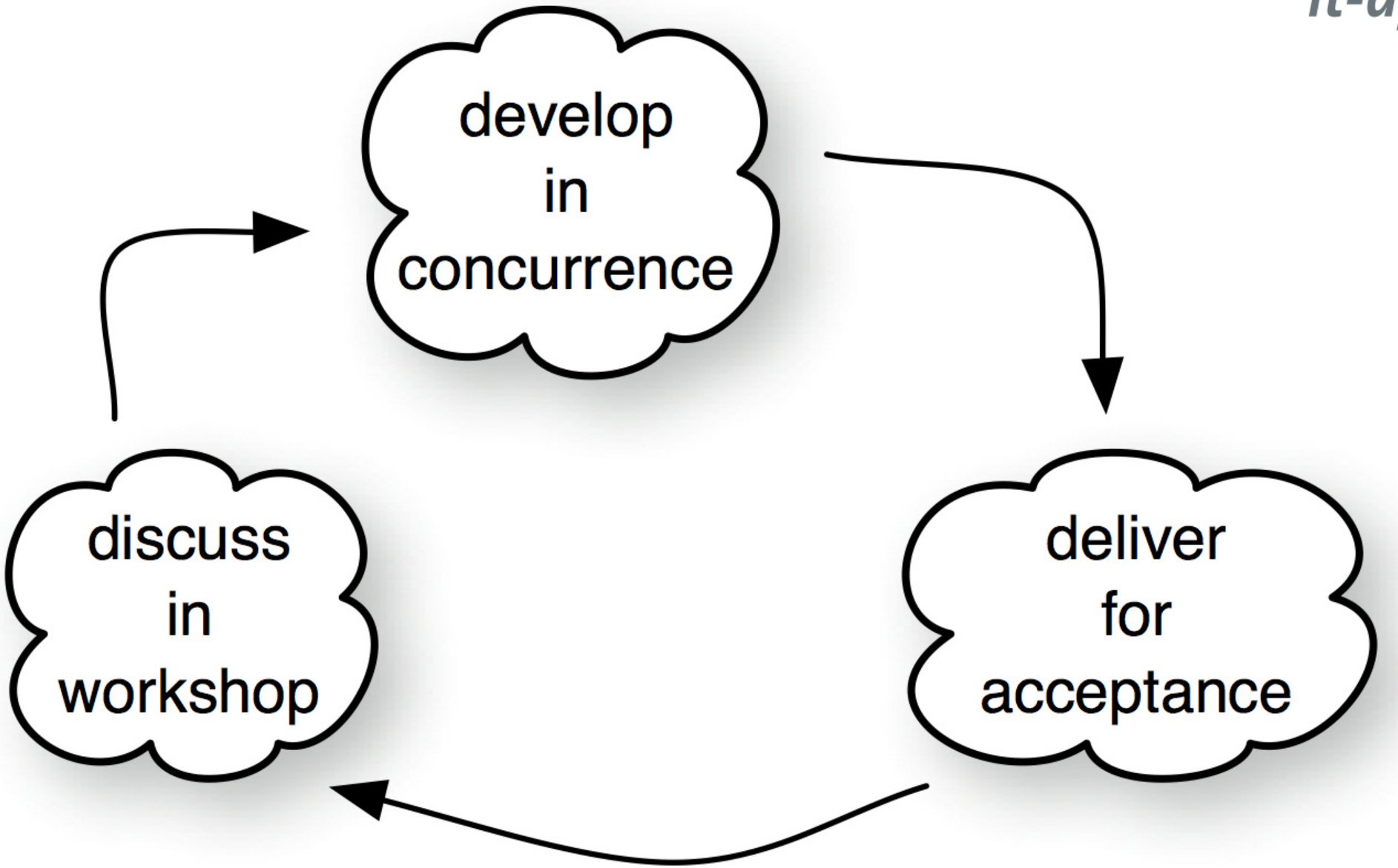
CLEAN CODE

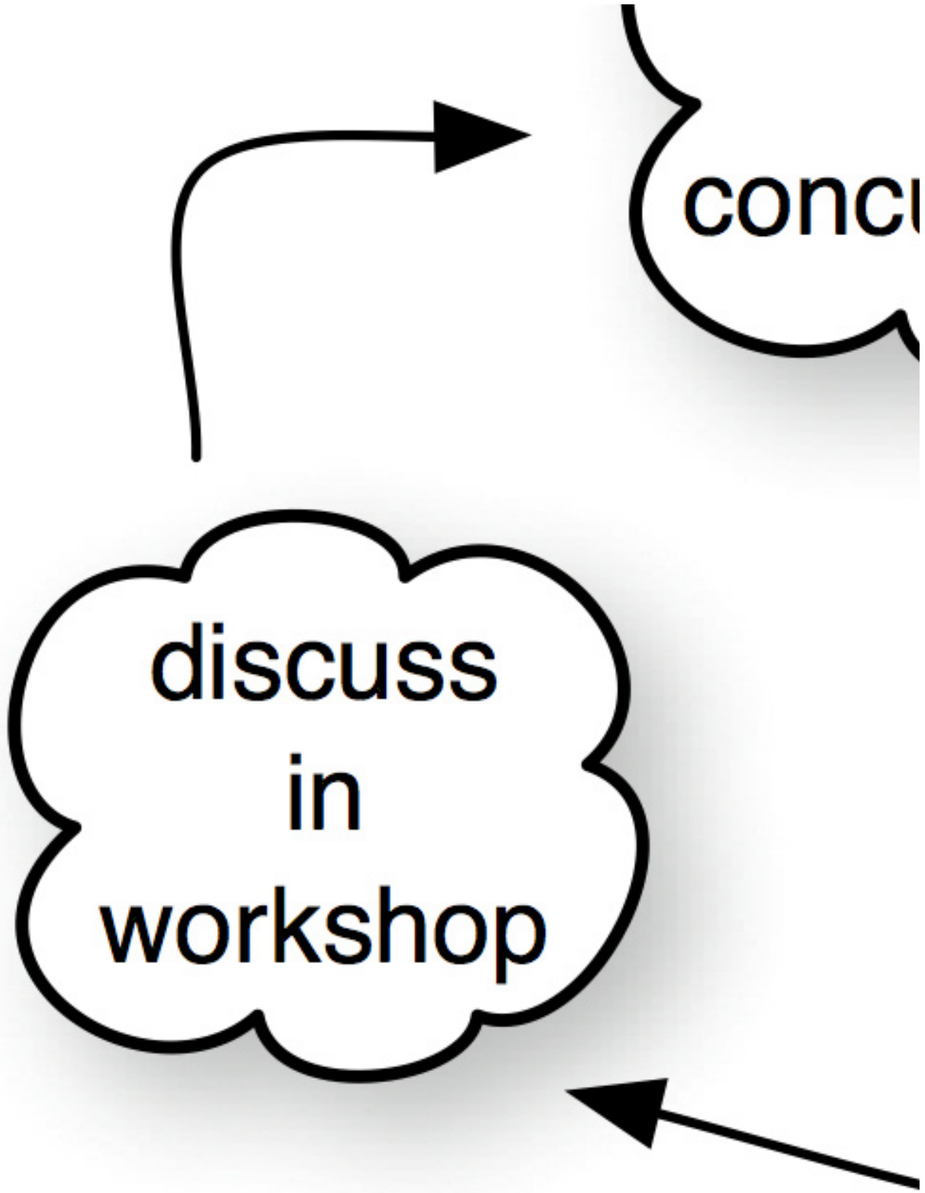
TEST-DRIVEN DEVELOPMENT

UNIT TESTING

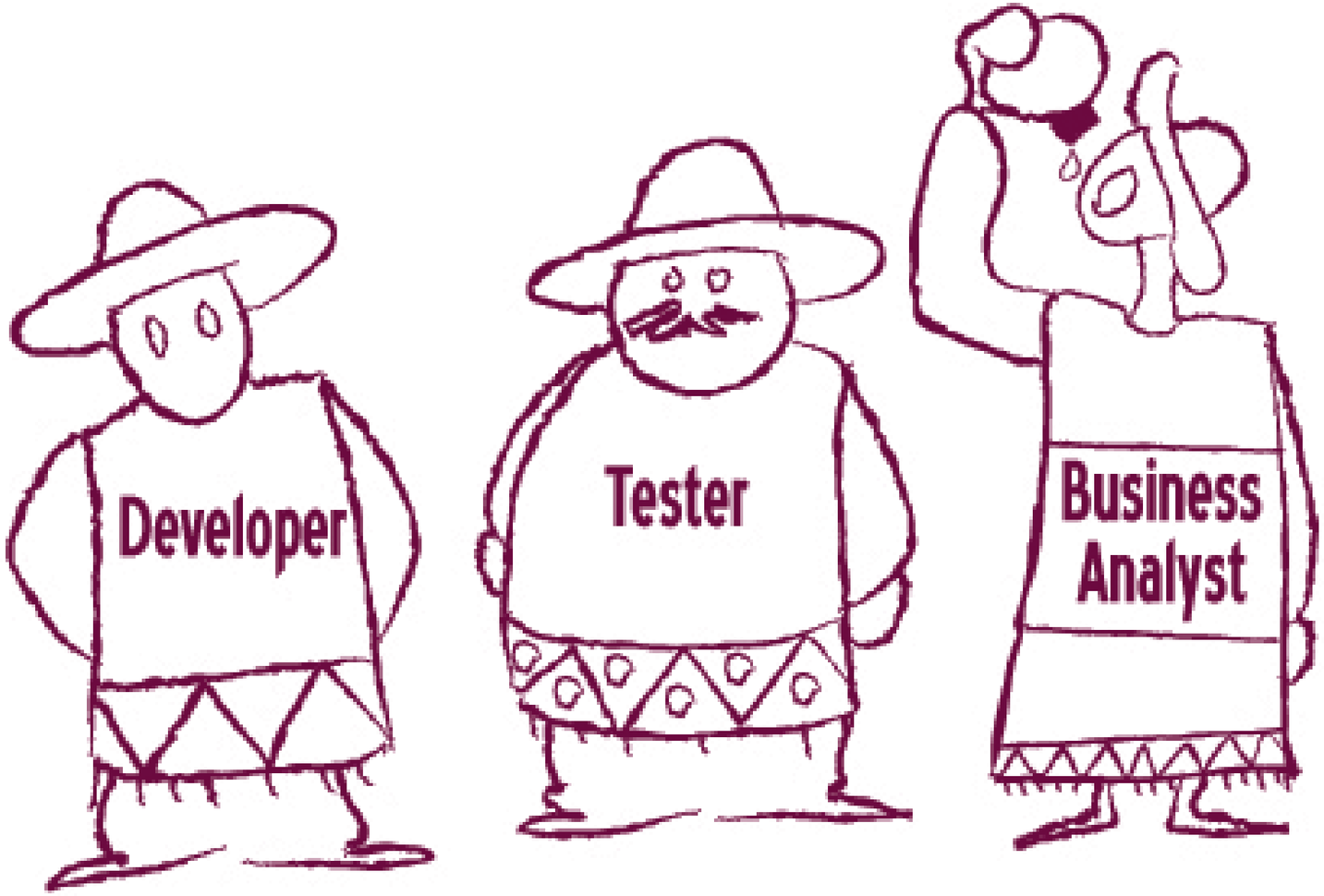
http://less.works (cc) BY-ND

Discuss - Develop - Deliver




discuss
in
workshop

Discuss: Three Amigos



www.agileconne...

The Three Amigos Strategy of Developing User Stories

Developing software correctly is a detail-oriented business. George Dinwiddie writes on how using the Three Amigos strategy can help you develop great user stories. Remember, the goal is to have the work done just in time for planning and development.

https://www.agileconnection.com/article/three-amigos-strategy-developing-user-stories

Discuss: Example Mapping

Story

Business Rule

Business Rule

Business Rule

Question

Question

Question

Example

Example

Example

cucumber.io

Introducing Example Mapping

Before you pull a user story into development, it's crucial to have a conversation to clarify and confirm the acceptance criteria.Some people do this during their backlog refinement or planning poker sessions. Other teams have a specific three amigos me...

https://cucumber.io/blog/bdd/example-mapping-introduction/

Discuss: Airport Example 1/2

PARKING COST CALCULATOR

Choose a Parking Lot	Valet Parking
Please input entry date and time	MM/DD/YYYY 12:00 AM PM
Please input leaving date and time	MM/DD/YYYY 12:00 AM PM
ESTIMATED PARKING COSTS	$ 0

Calculate

Parking Rates

Valet Parking

$18 per day

$12 for five hours or less

Short-Term (hourly) Parking

$2.00 first hour; $1.00 each additional 1/2 hour

$24.00 daily maximum

Long-Term Garage Parking

$2.00 per hour

$12.00 daily maximum

$72.00 per week (7th day free)

Long-Term Surface Parking *(North Lot)*

$2.00 per hour

$10.00 daily maximum

$60.00 per week (7th day free)

Economy Lot Parking

$2.00 per hour

$9.00 daily maximum

$54.00 per week (7th day free)

A Lost Ticket Fee of $10.00 will be assessed when the original parking stub cannot be produced when exiting the parking facilities (does not apply to Valet Parking).

Discuss: Airport Example 2/2

Feature: Short-Term Parking feature

The parking lot calculator can calculate costs for Short-Term Parking.

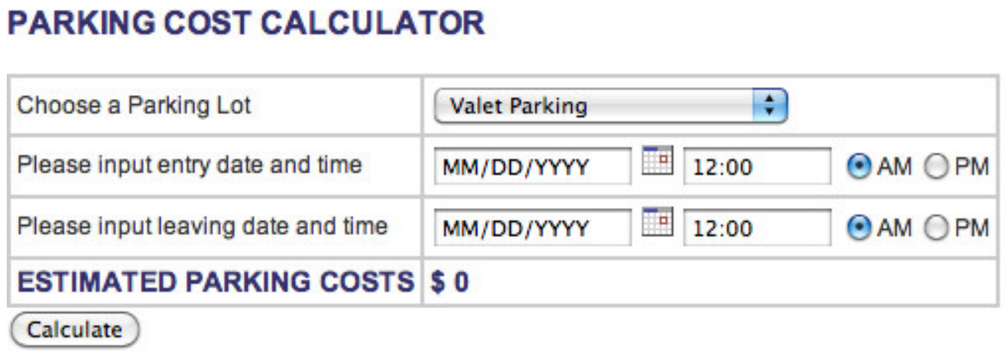
Scenario Outline: Calculate Short-Term Parking Cost

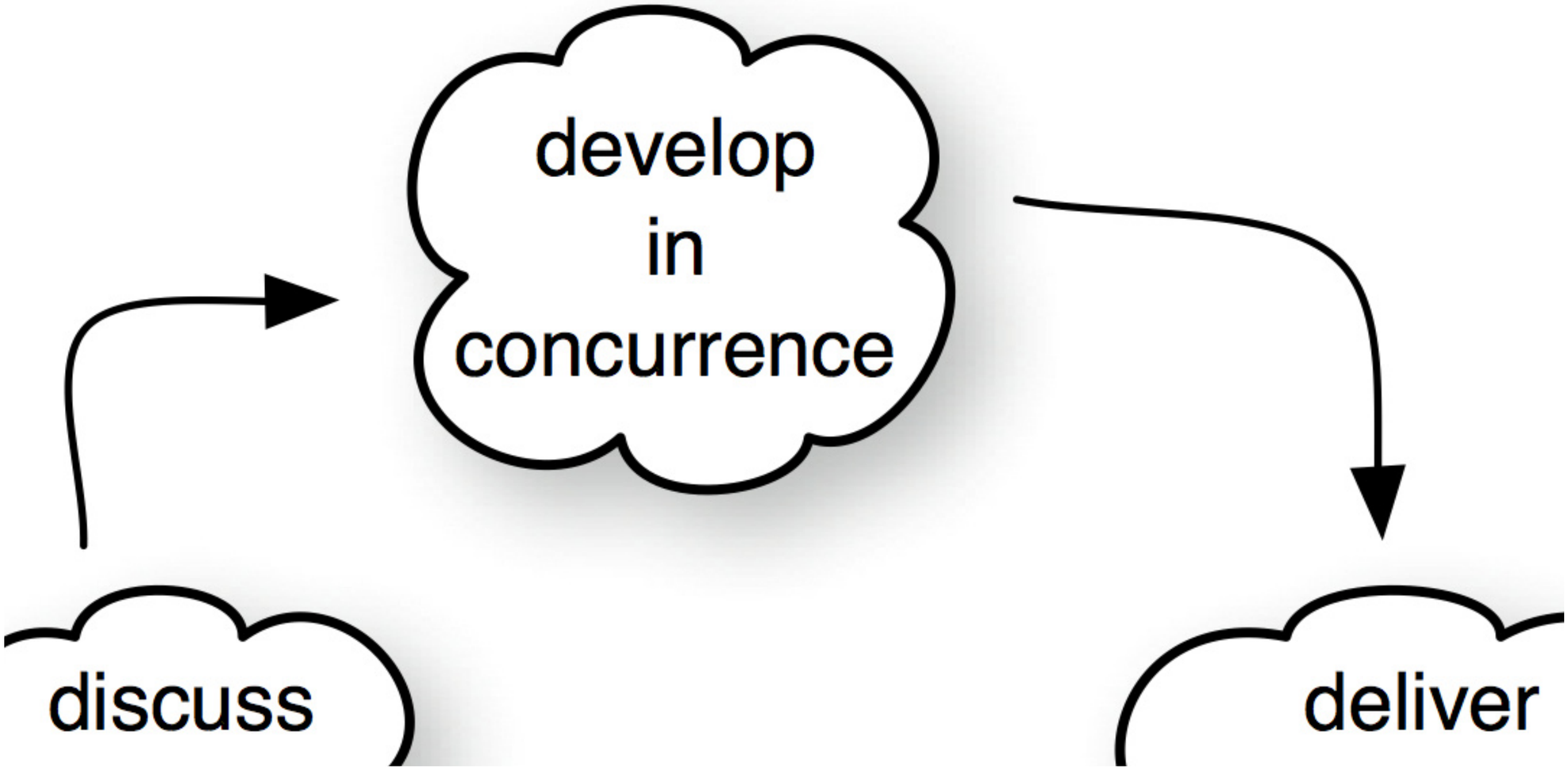
When I park my car in the Short-Term Parking Lot for <parking duration>

Then I will have to pay <parking costs>

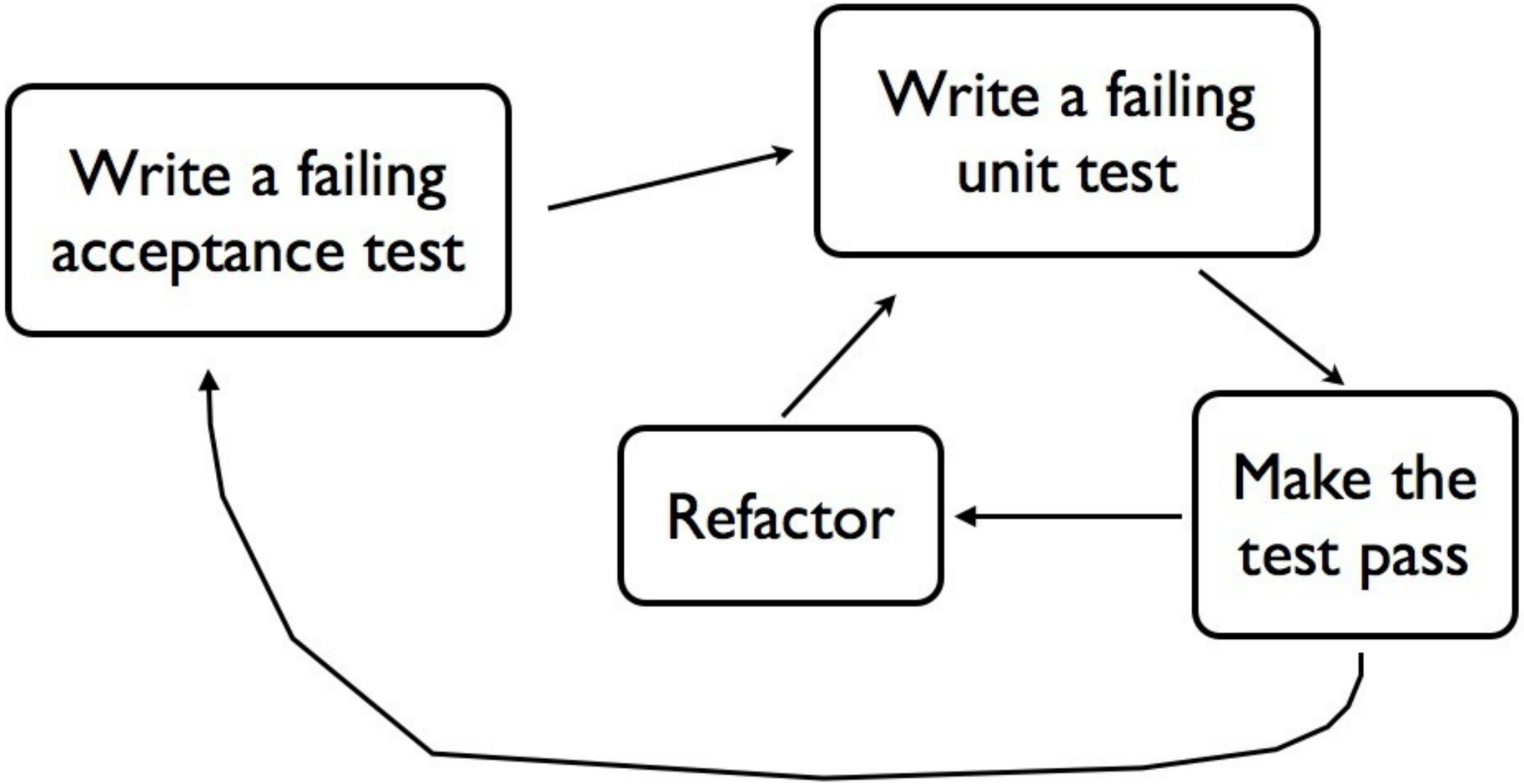
Examples:

parking duration	parking costs
30 minutes	$ 2.00
1 hour	$ 2.00
3 hours 30 minutes	$ 7.00
12 hours 30 minutes	$ 24.00
1 day 30 minutes	$ 25.00
1 day 1 hour	$ 26.00



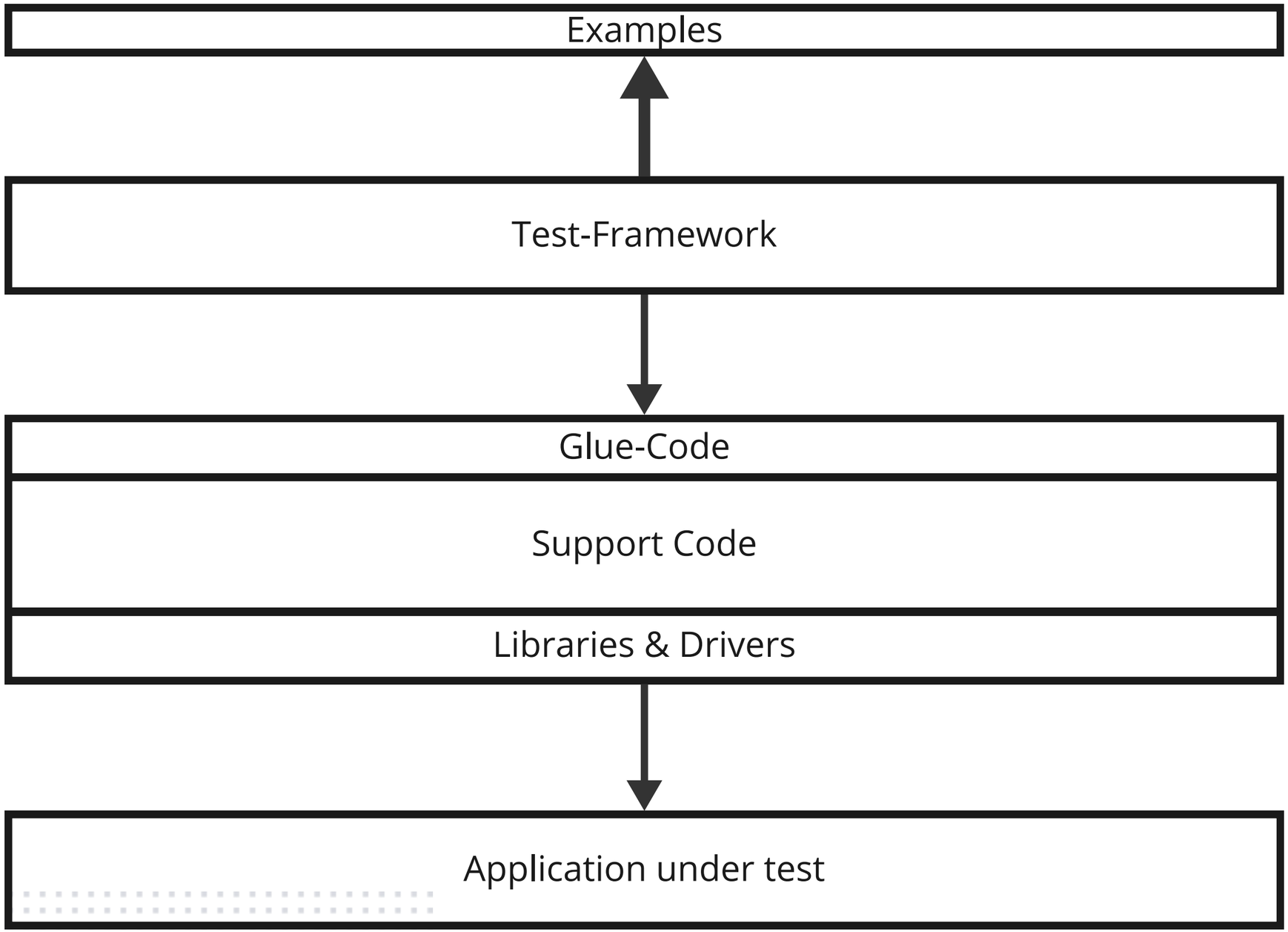

develop
in
concurrence
discuss
deliver

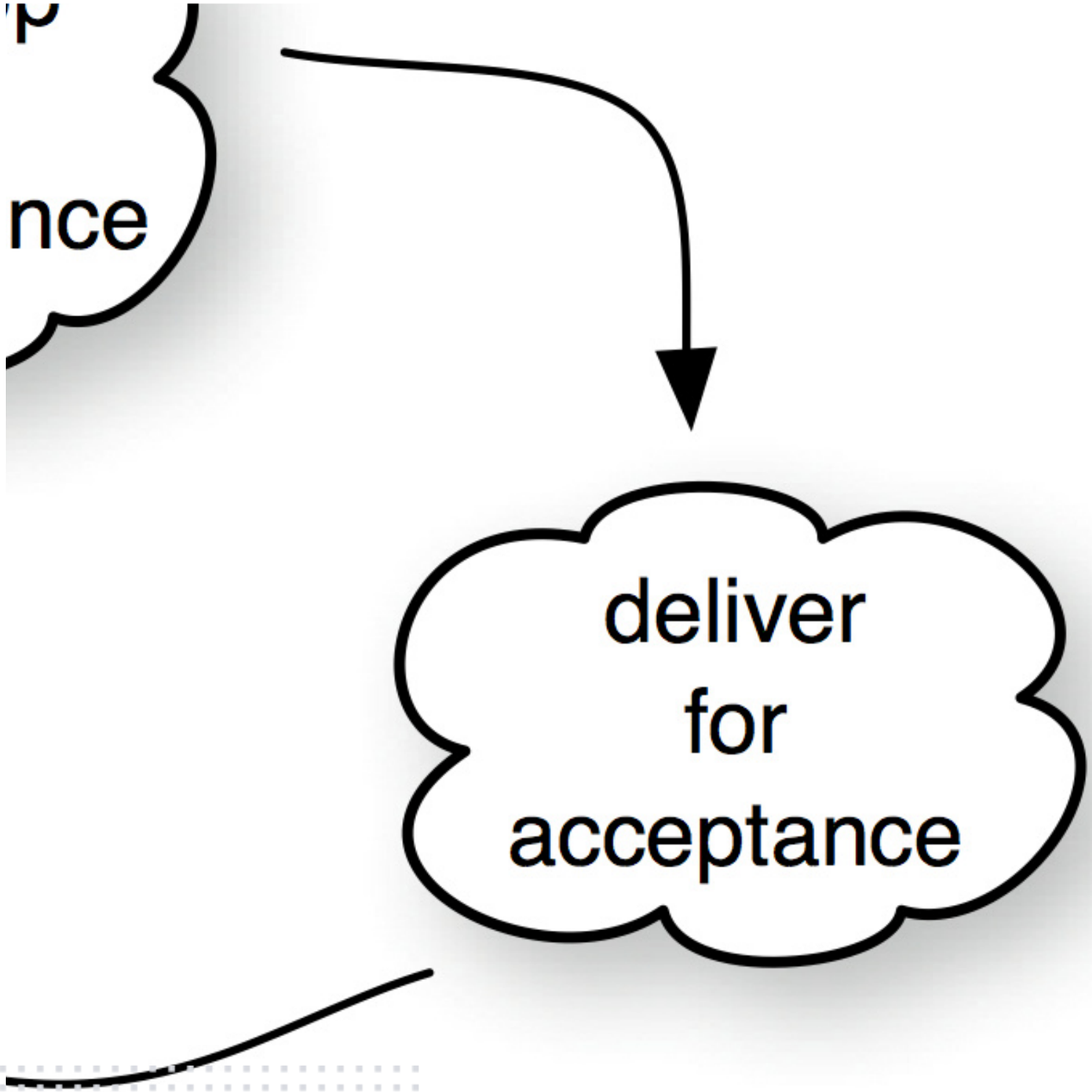
Develop: Double-Loop TDD

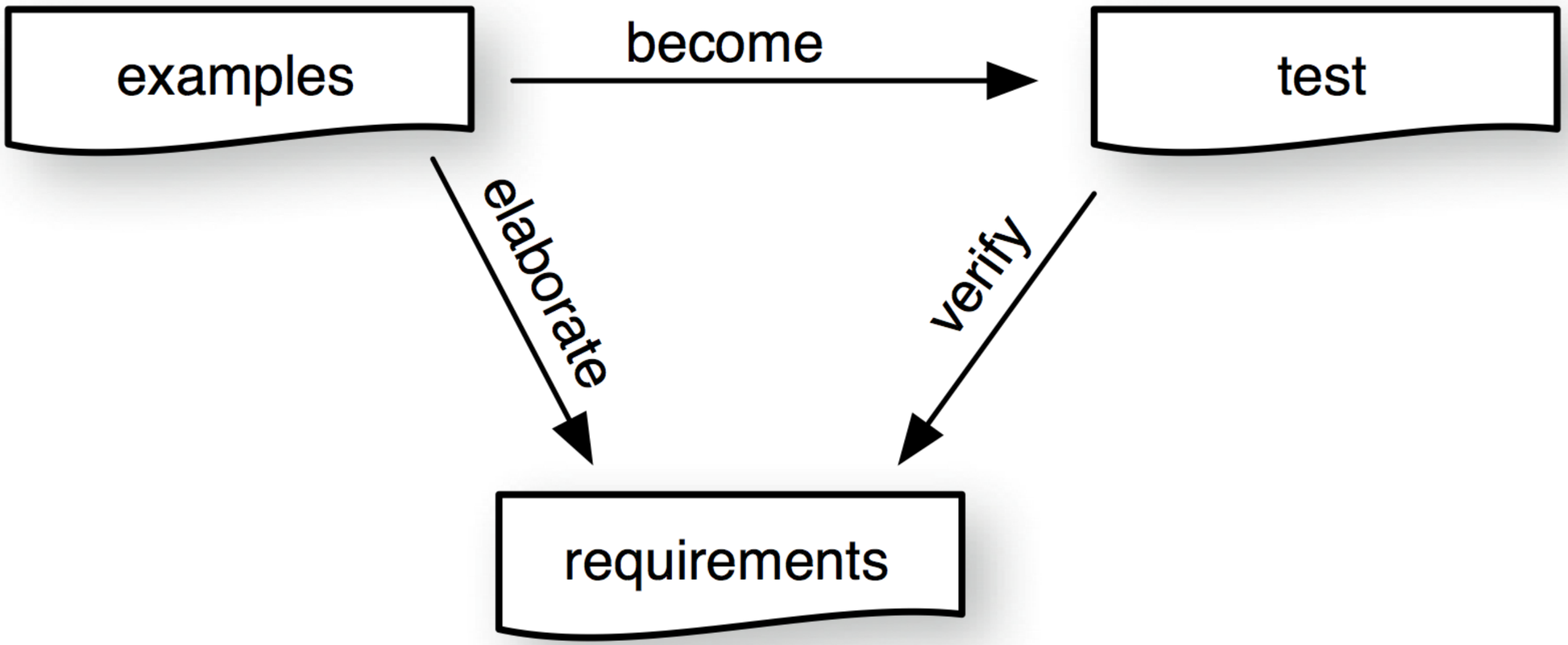


Source: https://sammancoaching.org/learning_hours/bdd/double_loop_tdd.html

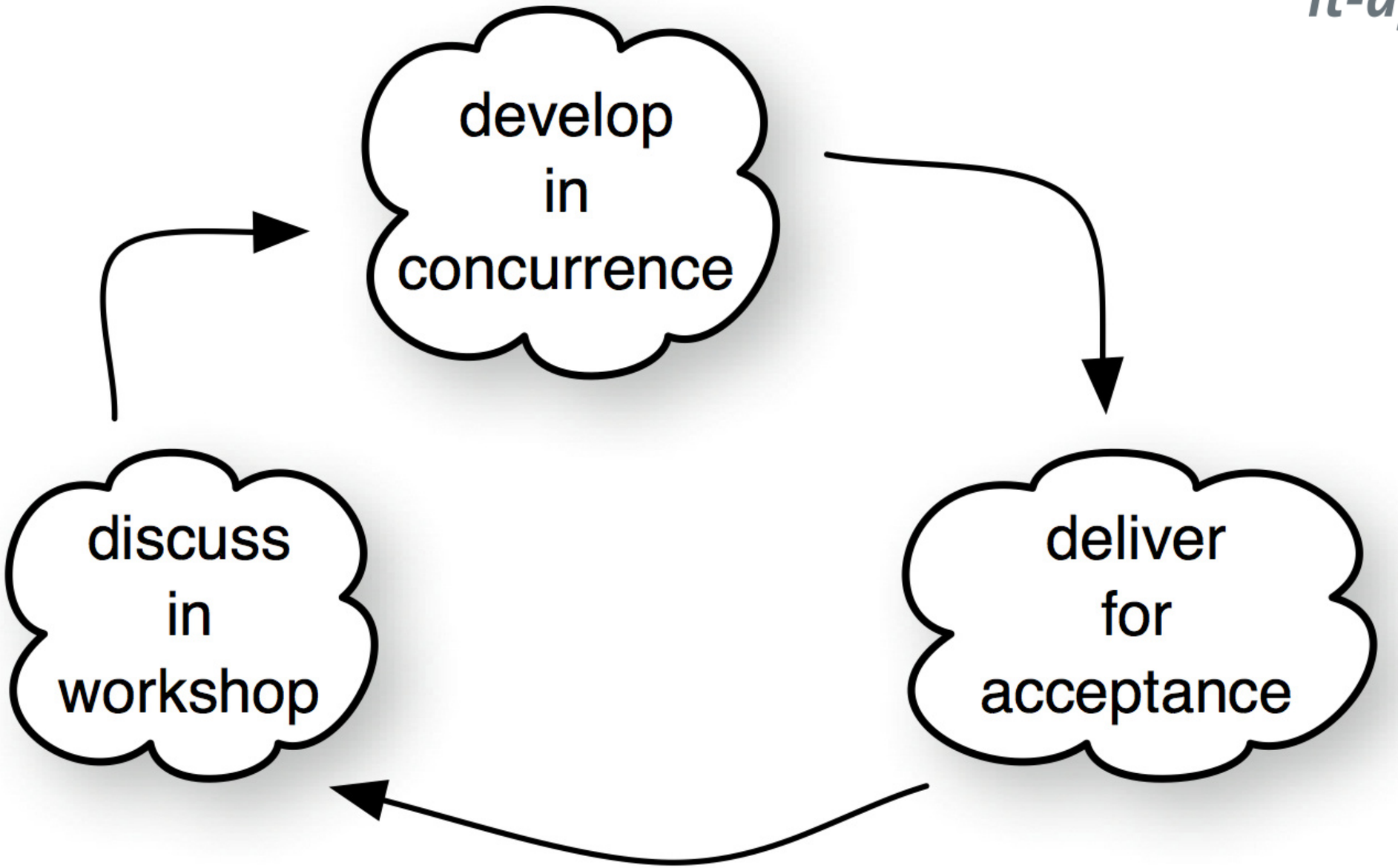
Develop: Maintainable Acceptance Tests



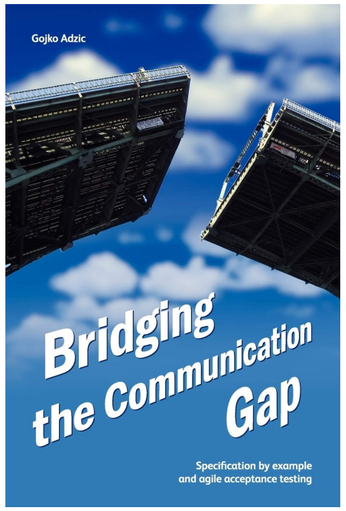

nce
deliver
for
acceptance

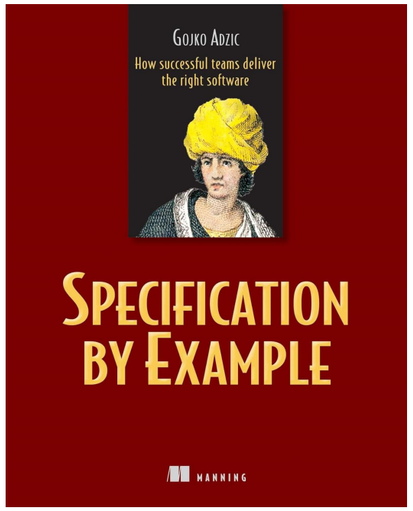

examples
become
test
elaborate
verify
requirements

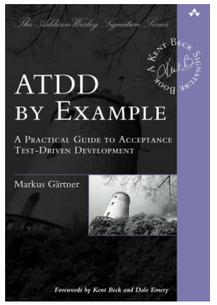
Discuss - Develop - Deliver



Recommended Literature







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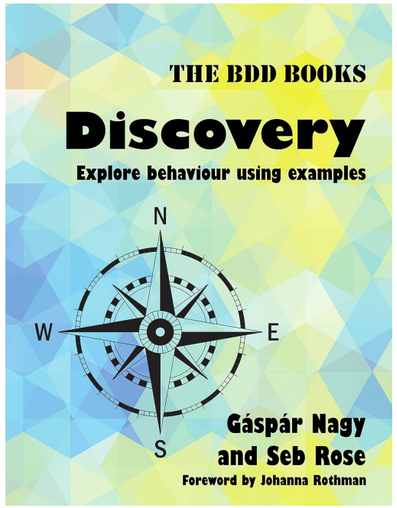
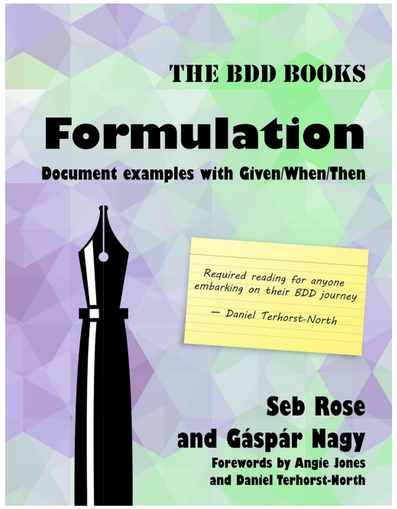
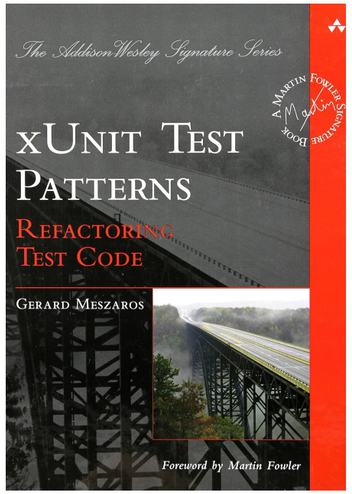
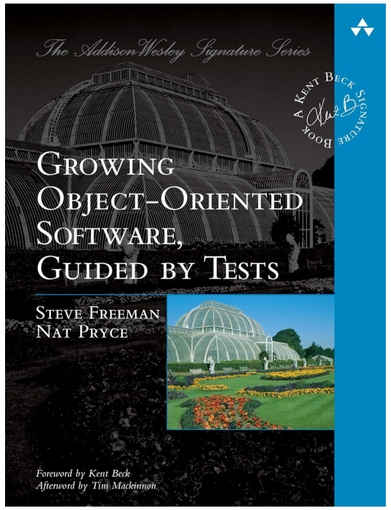
Discuss





Develop





Questions?

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