# BEYOND TESTING

CONNECTING DEVELOPERS AND TESTERS
WITH A HOLISTIC TEST CONCEPT

# CHRISTIAN DANGL

- HEAD OF TECHNOLOGY + QA (dasistweb)
- OWNER OF LIVE SCORE (SPORTS GRAPHICS)
- OOS: DOCKWARE, PHPUNUHI, ...
- BLOGGER, AUTHOR, SPEAKER

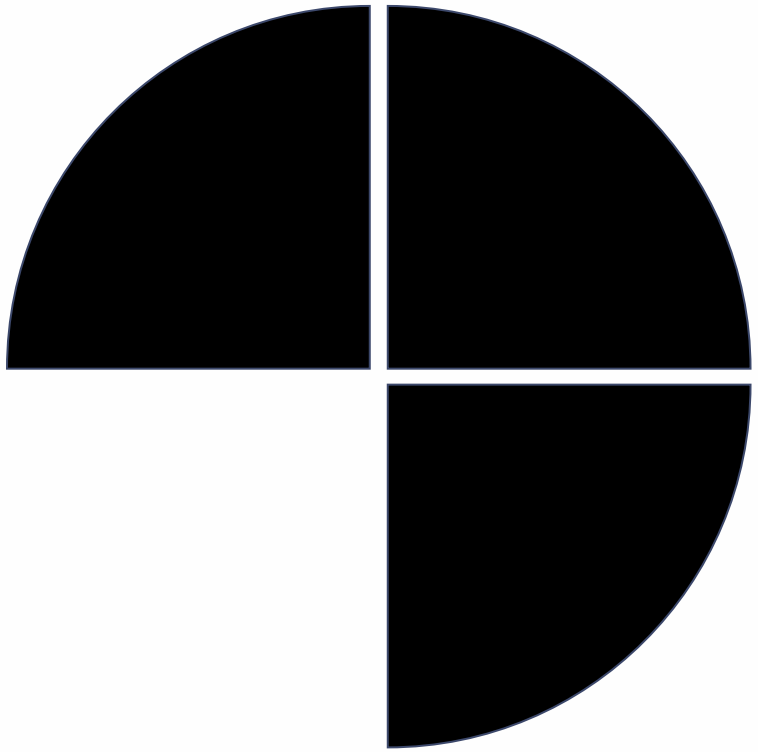
https://www.boxblinkracer.com/download/simplified-test-concept.md

# SAVE COSTS
# SAVE NERVES

# DO YOU TEST?

# PROJECTS

CONCEPTS



ROADMAP

DEVELOPMENT

# PROJECTS

CONCEPTS

ROADMAP

TESTING

DEVELOPMENT

# PROJECTS

CONCEPTS

ROADMAP

TESTING

DEVELOPMENT

# PROJECTS

CONCEPTS

ROADMAP

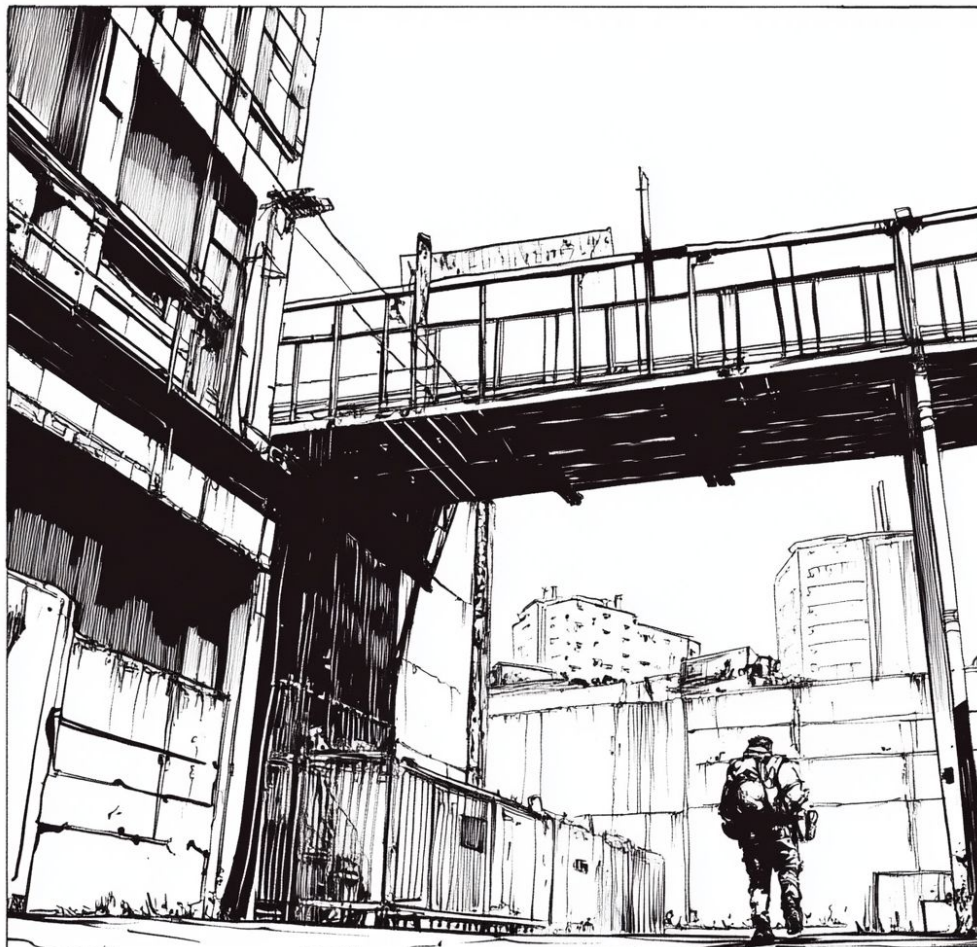
TESTING

DEVELOPMENT
DEV TESTING

CONFIGURATION GUIDELINES?

COPY PASTE FROM OTHER PROJECTS?

# GUIDELINE



BUG

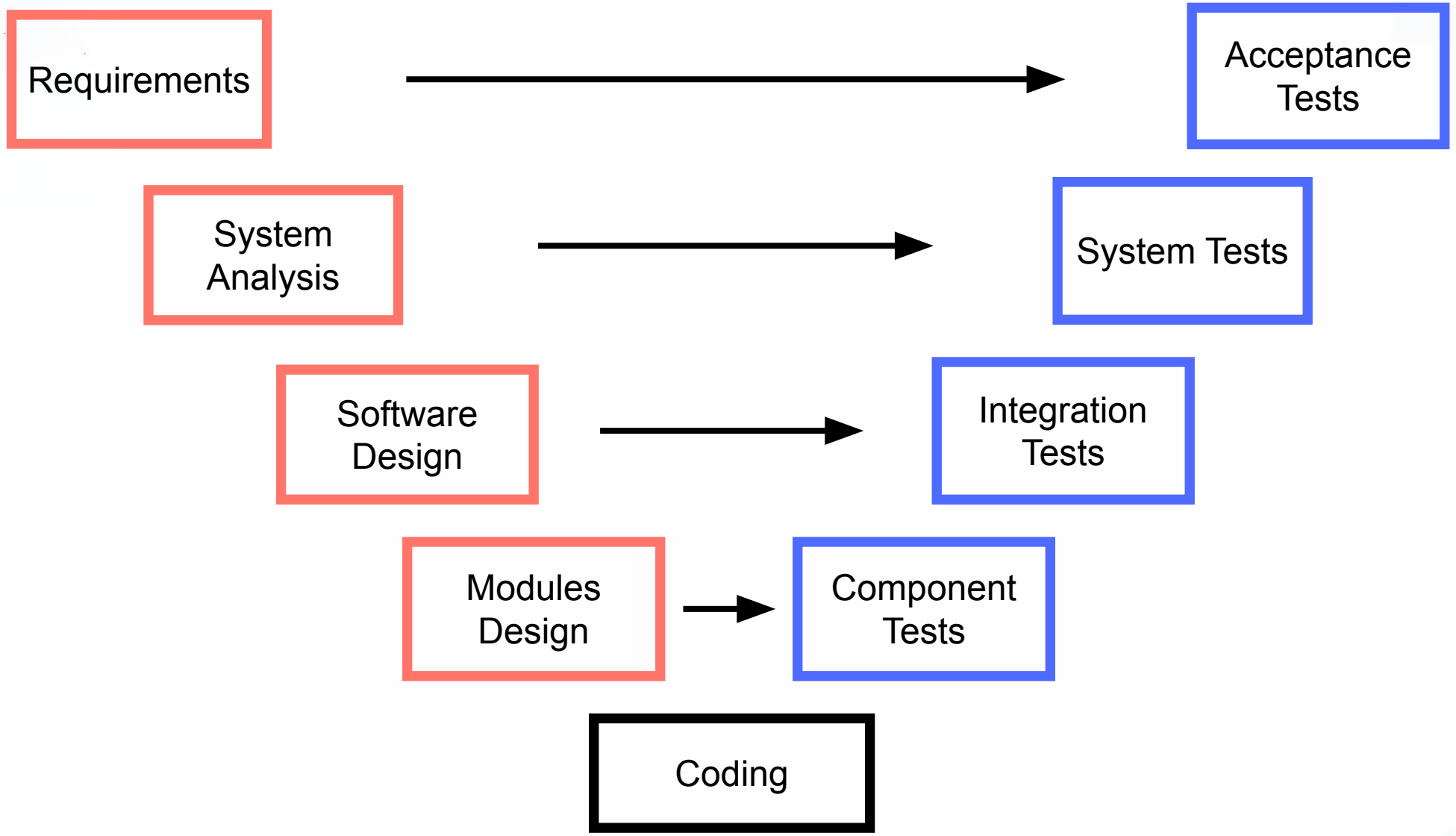
# WHAT IS A TEST CONCEPT?

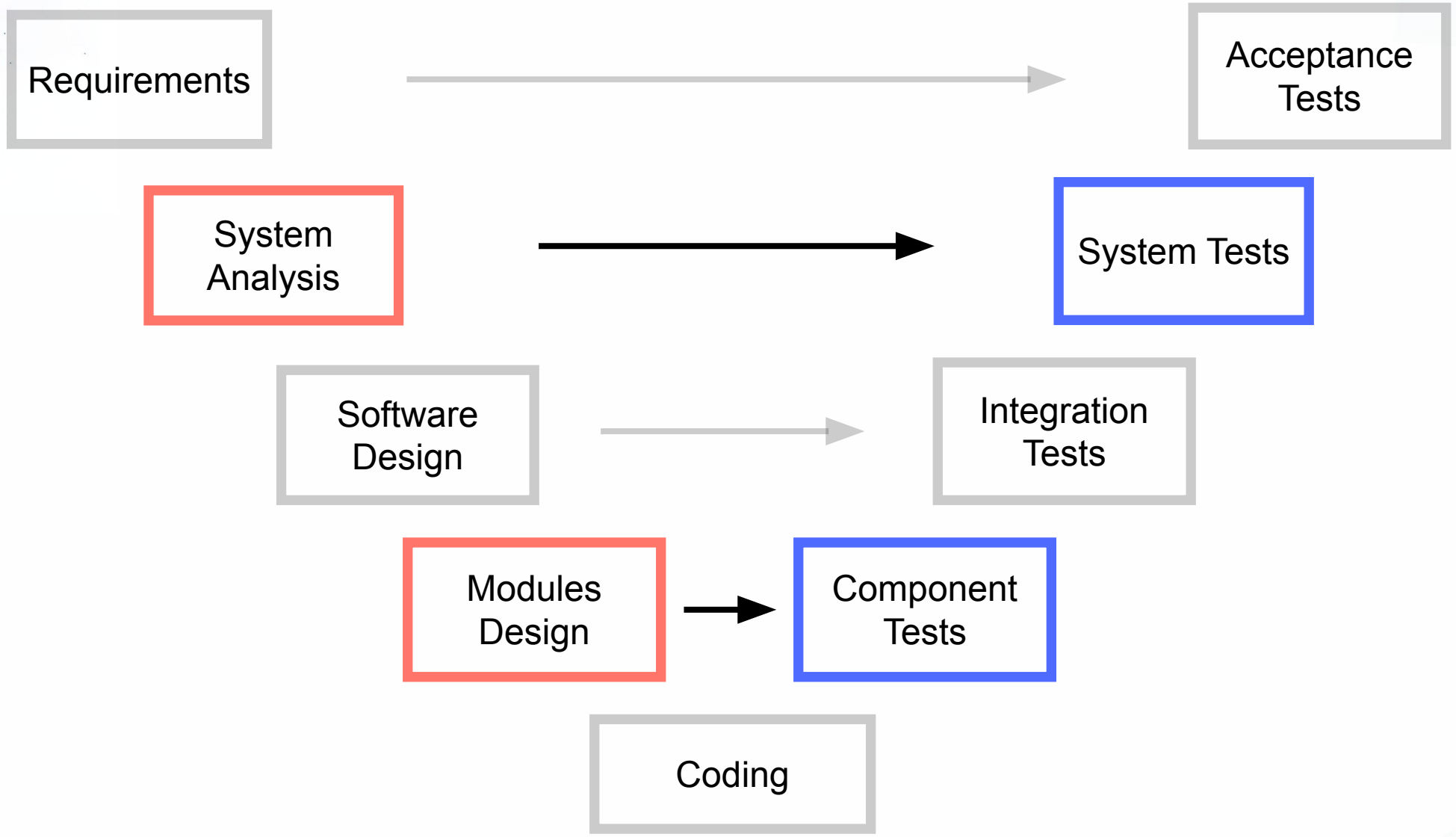
# IEEE 829

Standard for Test Documentation

# FORMATS

- NOTES
- CONFLUENCE
- WORD
- PEN & PAPER


Requirements
Acceptance Tests
System Analysis
System Tests
Software Design
Integration Tests
Modules Design
Component Tests
Coding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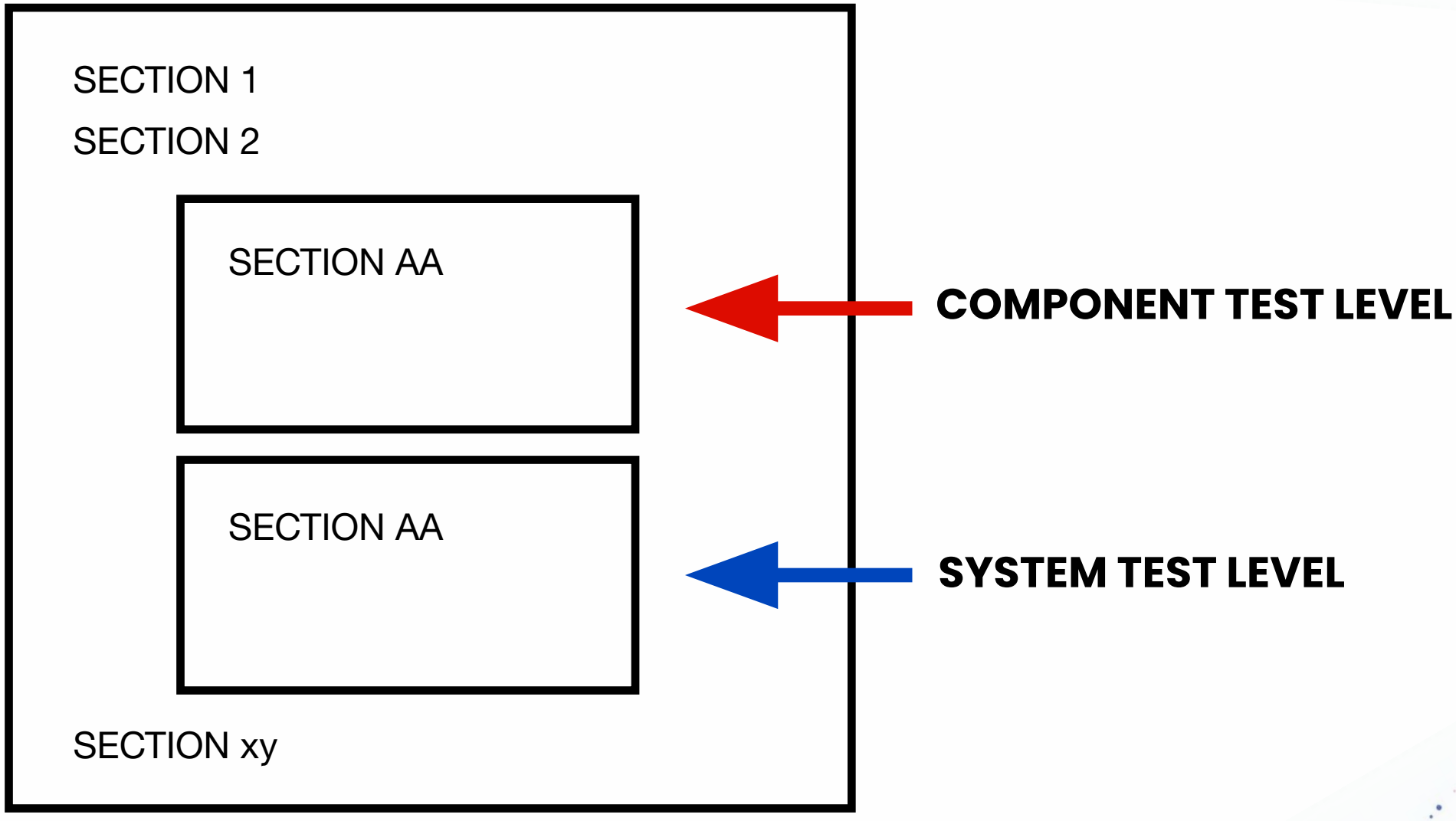
SECTION 1
SECTION 2
SECTION AA
SECTION AA
SECTION xy
COMPONENT TEST LEVEL
SYSTEM TEST LEVEL

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Certified Tester
Advanced Level

# ONE WAY TO GET STARTED

# LET'S GET STARTED

# TEST BASIS

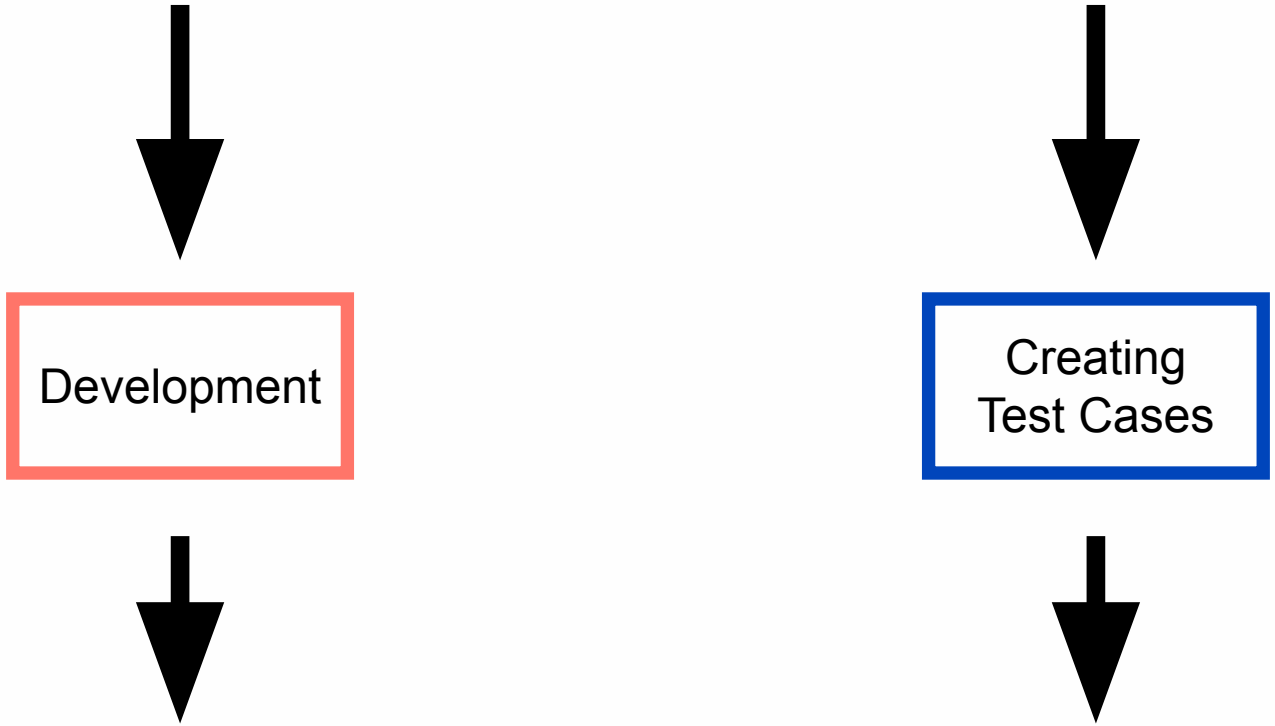
# TEST CASES

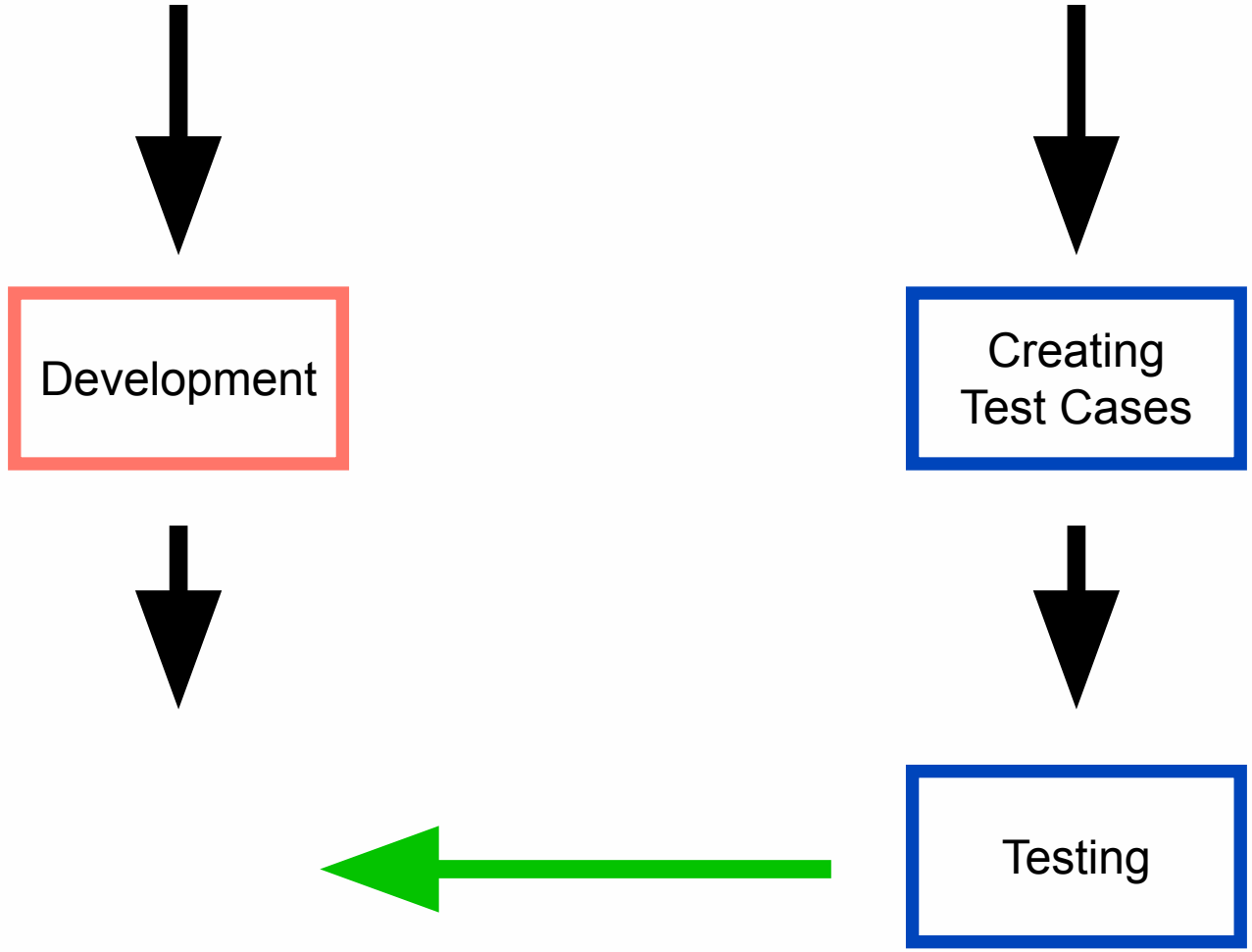
# TEST CASES

- STEP-BY-STEP

# TEST CASES

- STEP-BY-STEP
- EXECUTION TIME


Development
Creating
Test Cases


Development
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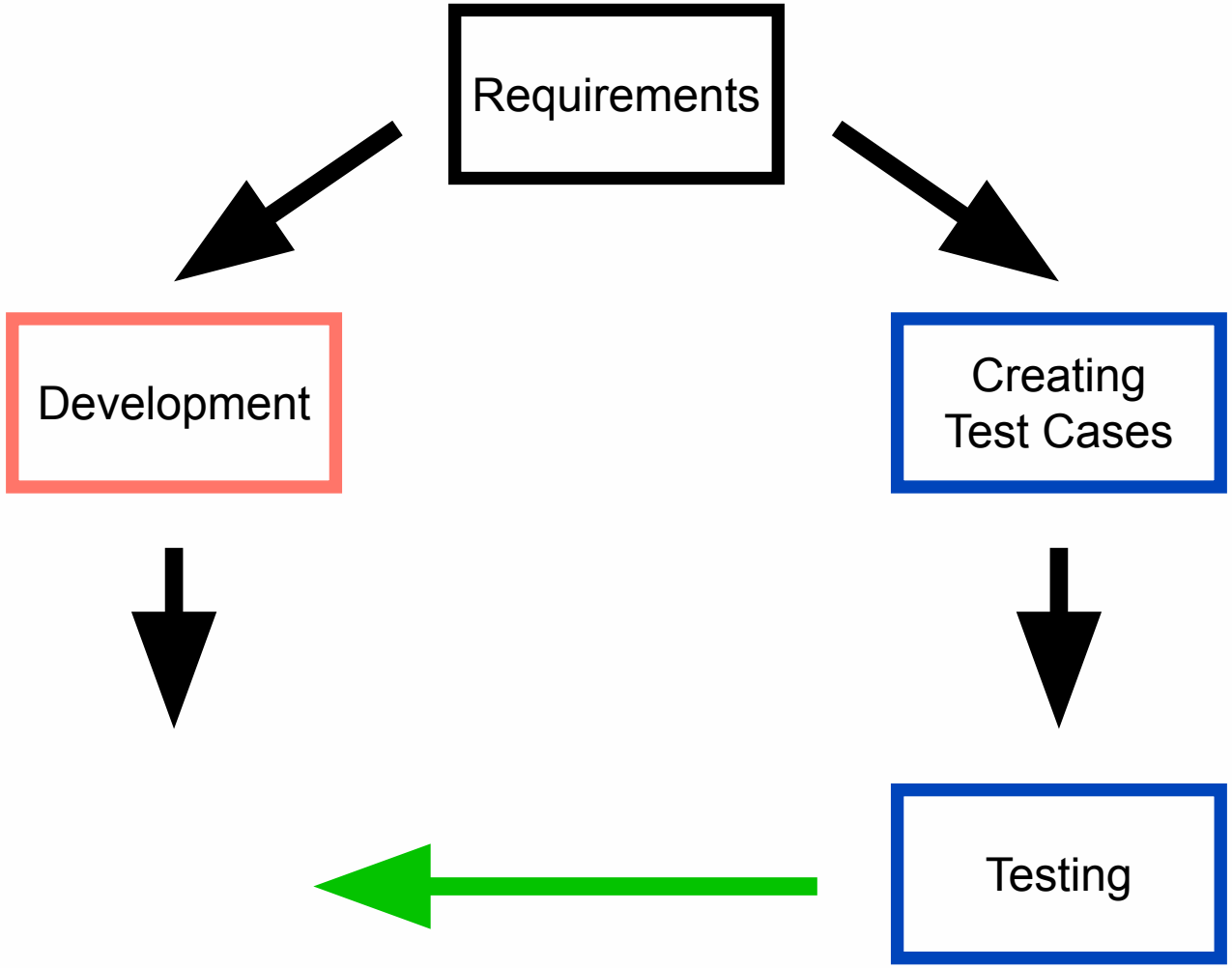
Test Cases
Testing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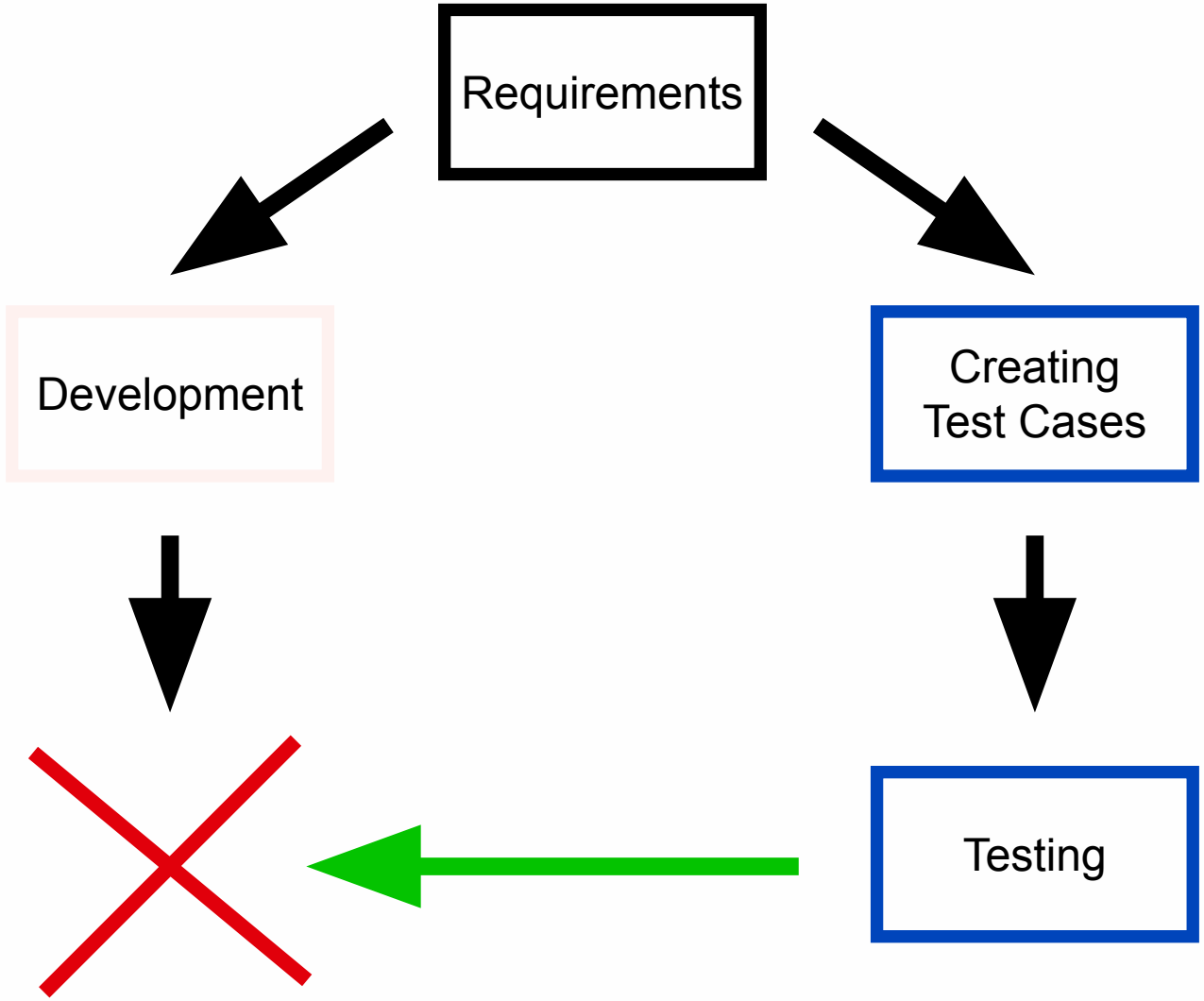

Requirements
Development
Creating
Test Cases
Testing

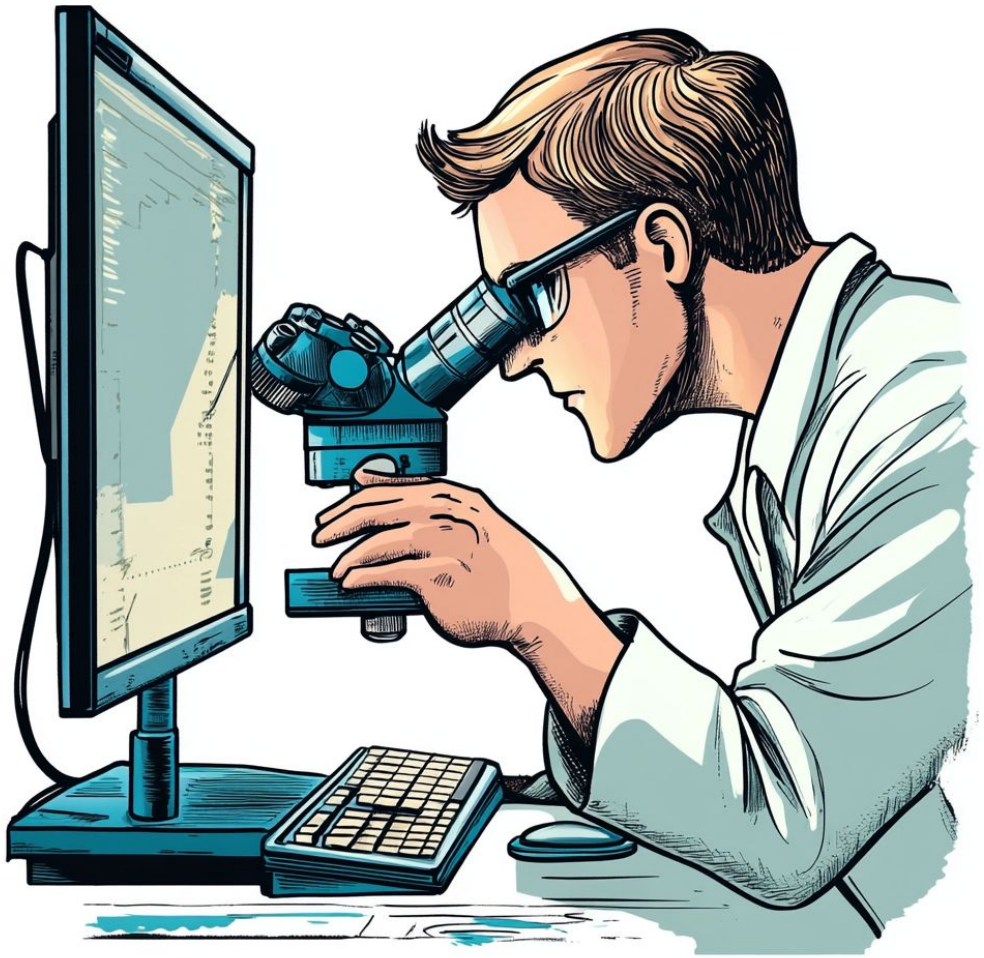
# TEST BASIS

- CONCEPTS
- LAYOUTS
- MANUALS
- OLD PROJECT

# TEST SCOPE

# TEST SCOPE

- IN-SCOPE
- OUT-OF-SCOPE
- RISK AREAS
- PRIORITIZATION



# TESTING GOALS

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## TEST LEVELS

- VERIFICATION
- VALIDATION
- INCREASE CONFIDENCE
- EVALUATE WORK RESULTS
- CHECK IF TEST OBJECT IS COMPLETE
- IDENTIFY ERROR EFFECTS
- ENSURE COMPLIANCE
-

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# WHY

# WHY

## VERIFICATION

- …
- …
- …

## INCREASE CONFIDENCE

| | |
|---|---|
| … | … |
| … | … |
| … | … |

# WHY

## HUGE IMPACT ON UPCOMING TEST ACTIVITIES

# TEST STRATEGIES

"A high-level description of the test levels to be performed and the testing within those levels for an organization for one or more projects"

# MIX OF STRATGIES

# BUGS ARE GOOD

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METHODICAL

ANALYTICAL

REACTIVE

PROCESS / STANDARD COMPLIANT

REGRESSION-AVERSE

METHODICAL

ANALYTICAL

REACTIVE

PROCESS / STANDARD COMPLIANT

REGRESSION-AVERSE

# SHIPPING COSTS

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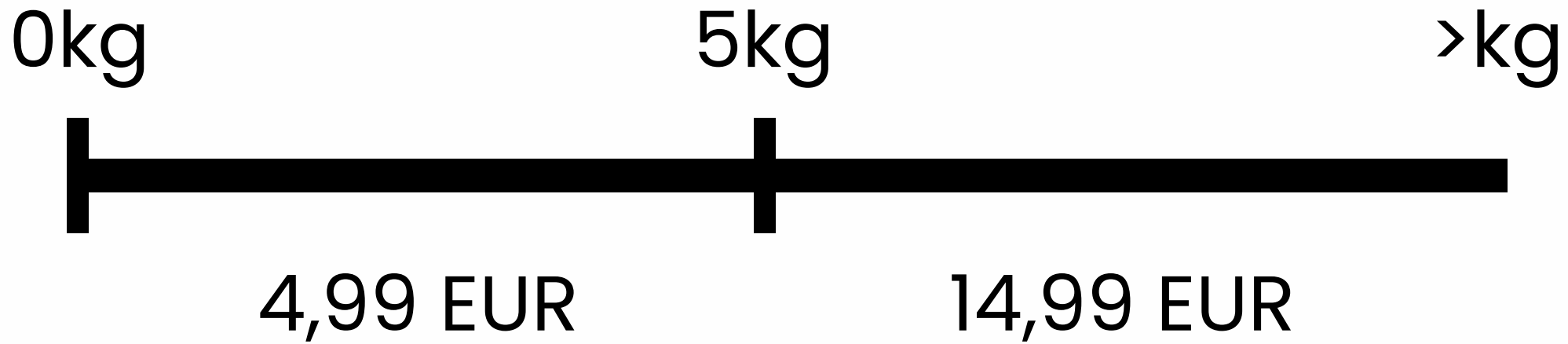
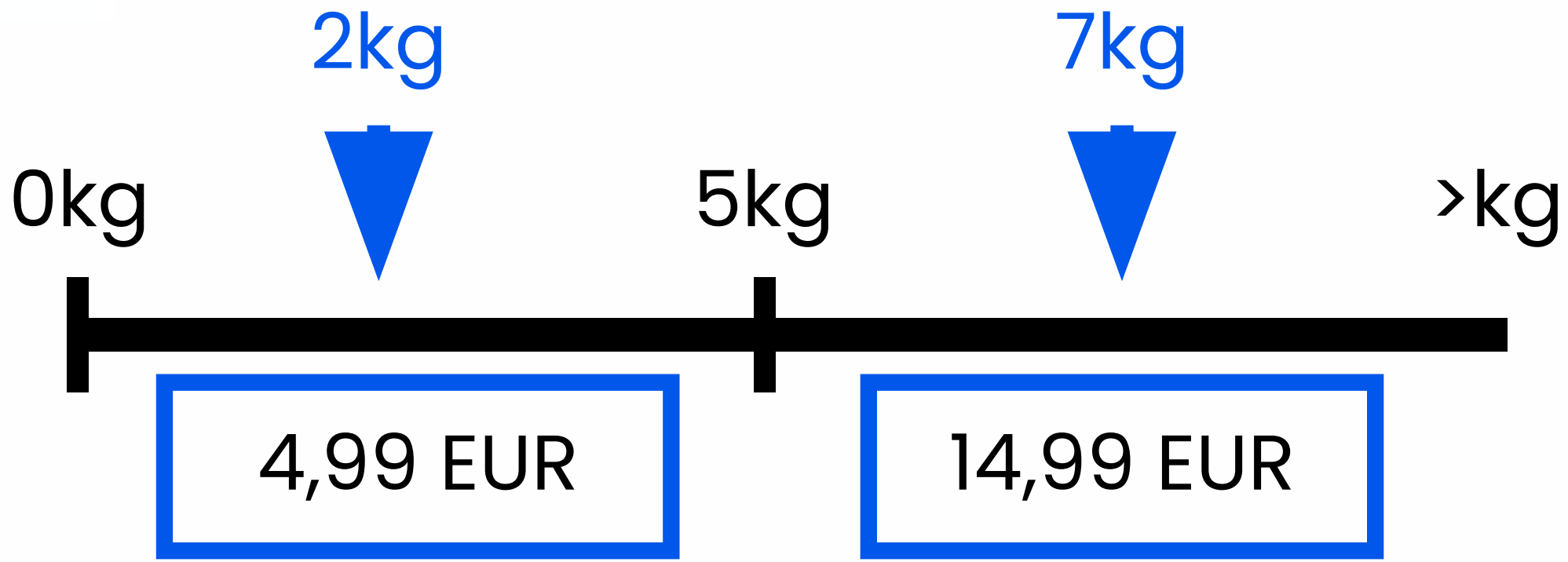
The dynamic shipping cost framework intelligently calibrates logistics expenses based on parcel weight thresholds to optimize operational efficiency. For shipments weighing between 0 and 5 kilograms, a standardized fee of 4.99 EUR applies, ensuring cost-effectiveness for lightweight consignments. However, to accommodate the increased handling complexity and logistical overhead associated with heavier packages, any shipment exceeding 5 kilograms incurs a premium shipping surcharge of 14.99 EUR. This tiered structure ensures a balanced pricing model that aligns with both consumer expectations and sustainable fulfillment economics.

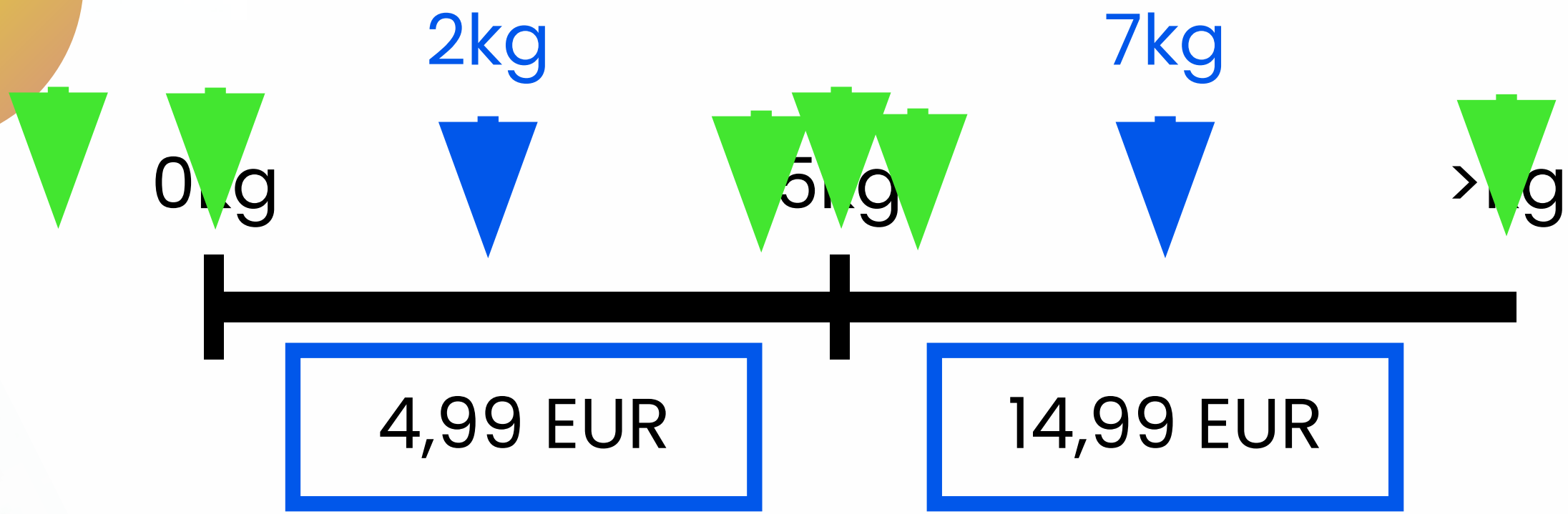
# EQUIVALENCE PARTITIONING (EP)



# TEST CASES

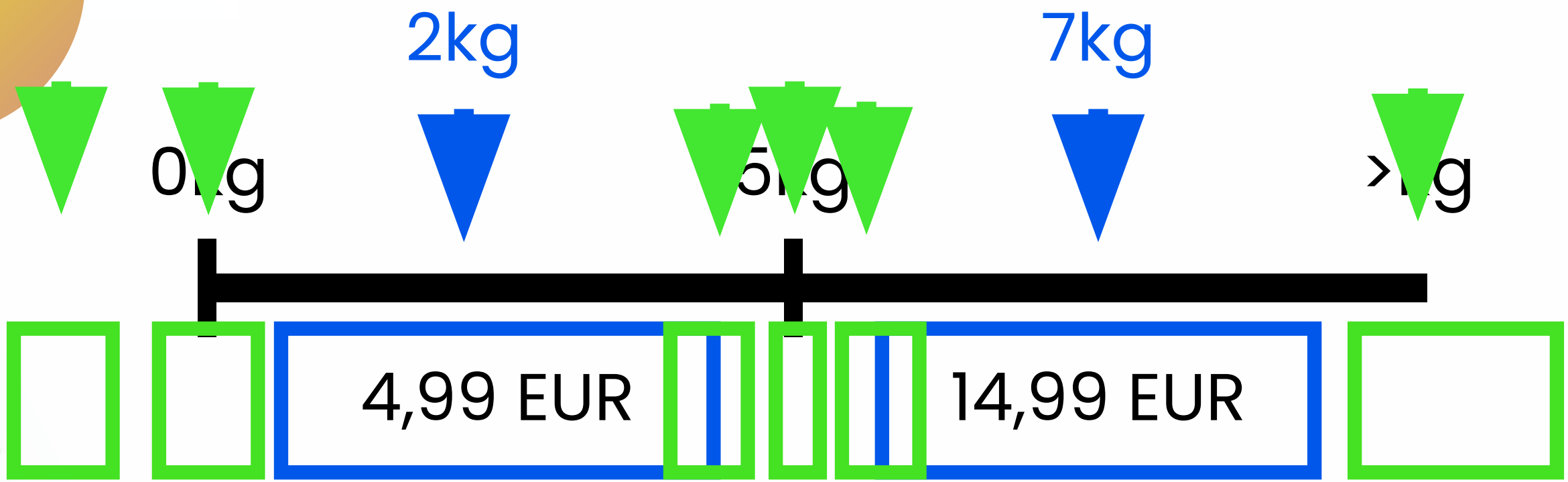


# BOUNDARY VALUE ANALYSIS (BVA)



VS.

# FINAL TEST CASES



METHODICAL

ANALYTICAL

REACTIVE

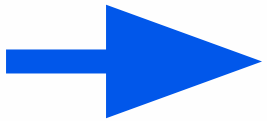
PROCESS / STANDARD COMPLIANT

REGRESSION-AVERSE

METHODICAL

ANALYTICAL

REACTIVE



PROCESS / STANDARD COMPLIANT

REGRESSION-AVERSE

METHODICAL

ANALYTICAL

REACTIVE

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REGRESSION-AVERSE

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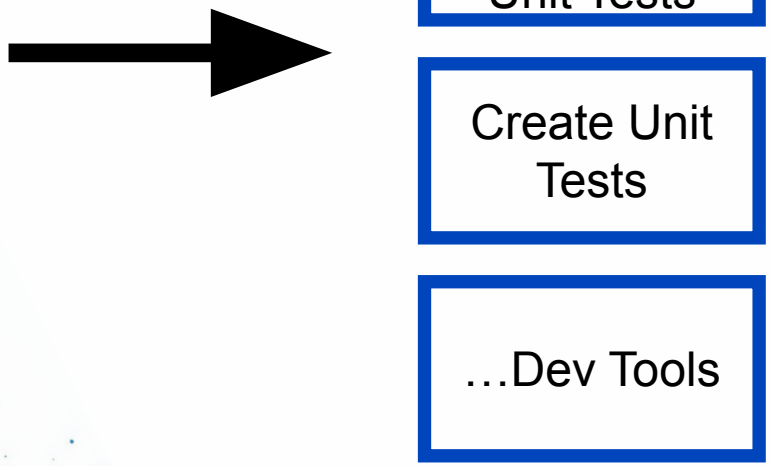

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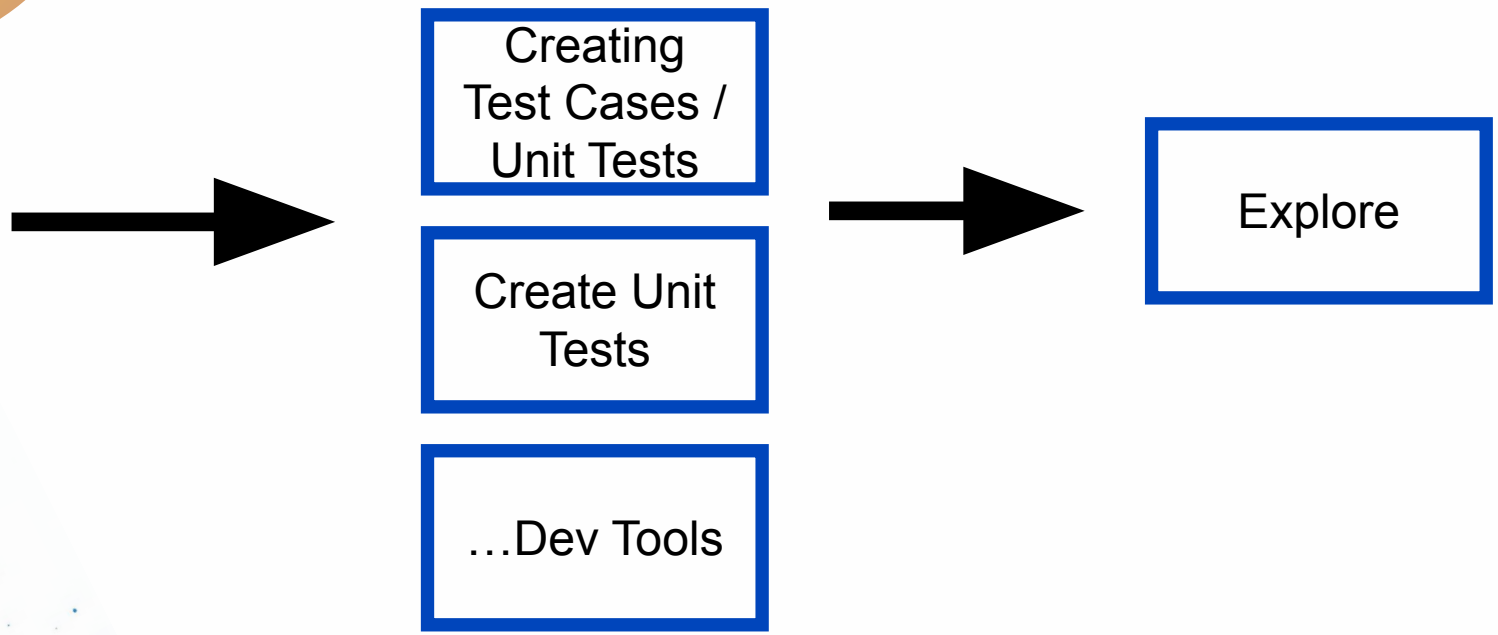
Creating Test Cases / Unit Tests
Create Unit Tests
…Dev Tools
Explore

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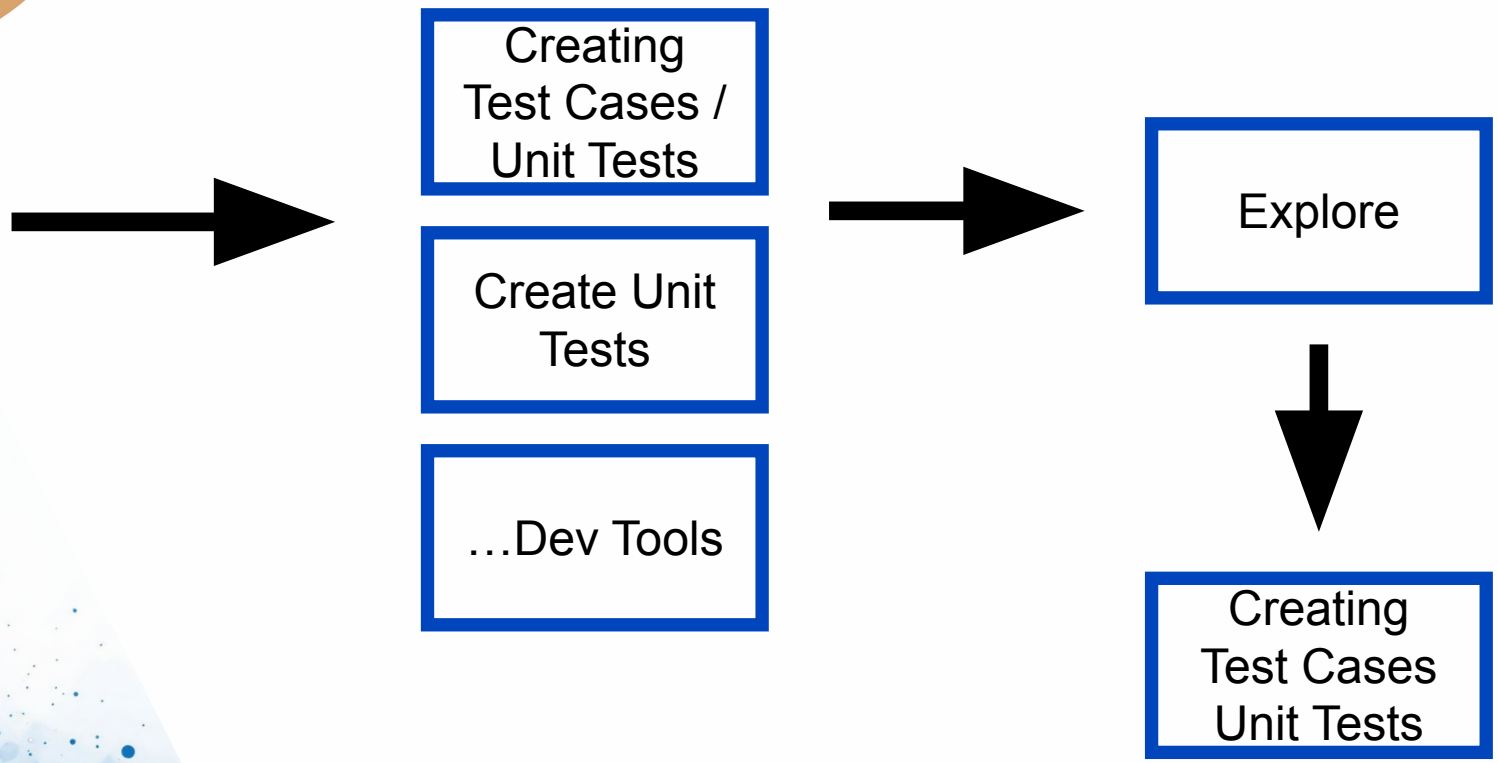
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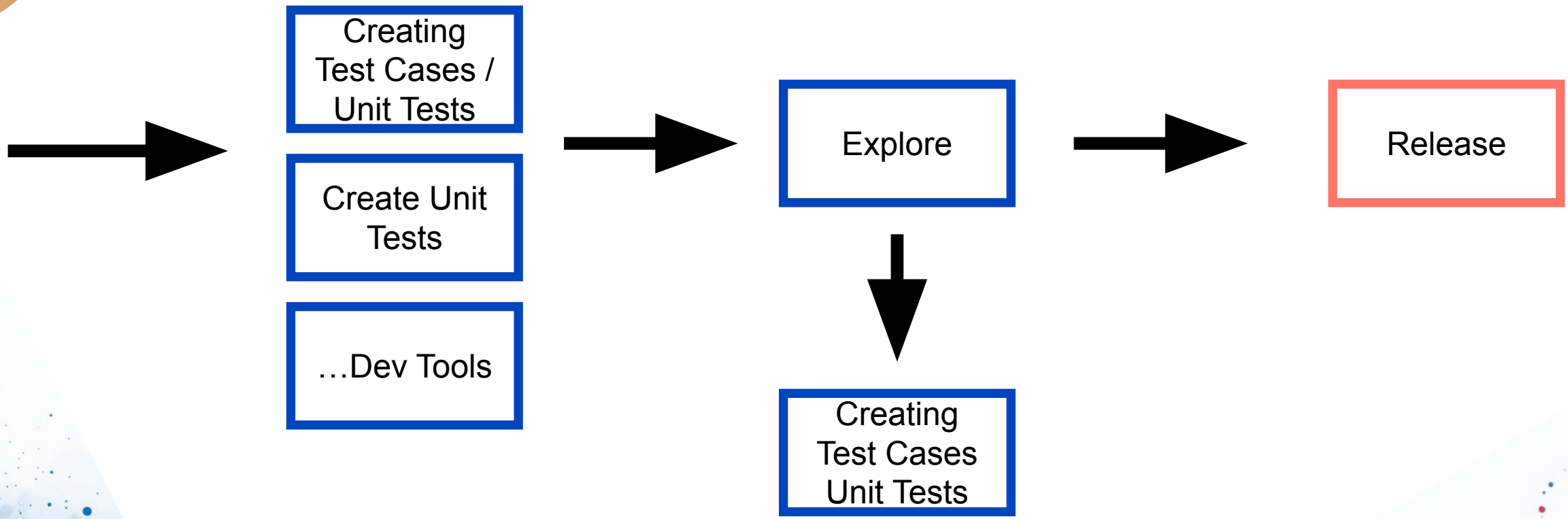
Creating
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Explore
Creating
Test Cases
Unit Tests
Release

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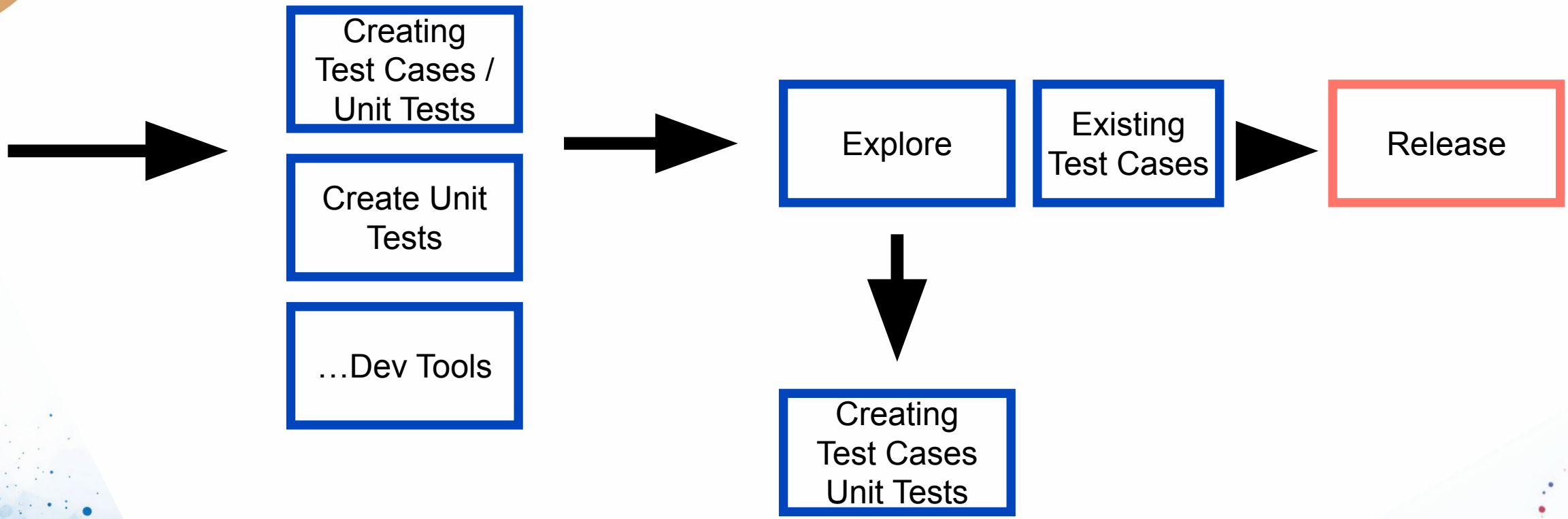
Creating Test Cases / Unit Tests
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Explore
Existing Test Cases
Release
Creating Test Cases Unit Tests

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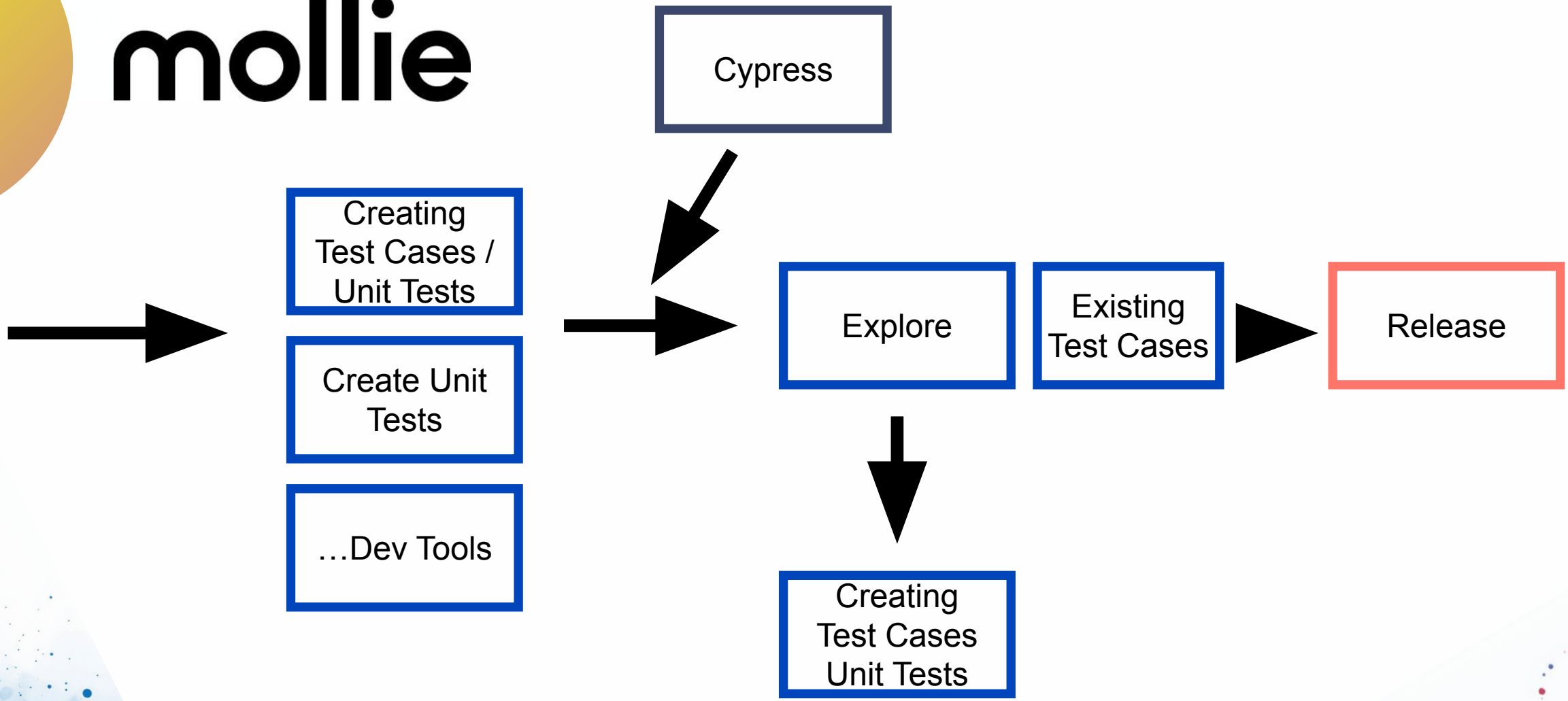
Cypress
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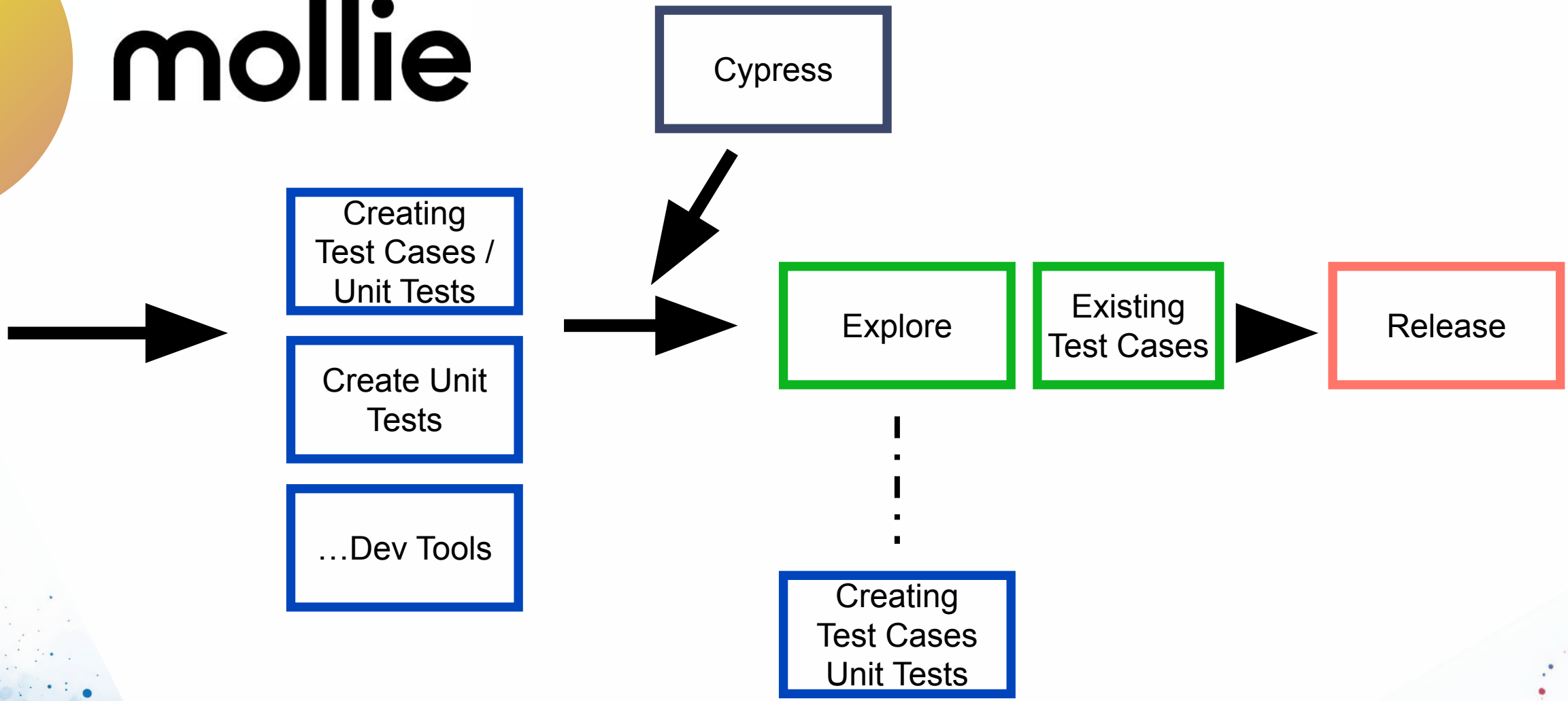
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# TEST TOOLS

- PHPStan
- PHP-CS Fixer
- RECTOR
- PHPUnit

AND MORE

- **PHP-CS Fixer**
- **Rector**
- **PHPStan**
- **PHPUnit**

# PHPStan

## LEVEL 9

## checkExplicitMixed

## .....

- TEST MANAGEMENT
- PLAYWRIGHT
- CYPRESS
- K6

AND MORE

# ADDITIONAL TOPICS

# TEST ENVIRONMENT

# TEST ENVIRONMENT SCHEDULE

# TEST ENVIRONMENT

# SCHEDULE

# RISK MANAGEMENT

# WHAT'S NEXT?

# QUALITY DOESN'T HAPPEN BY CHANCE

# THANK YOU

- BOXBLINKRACER.COM
- GITHUB.COM/BOXBLINKRACER
- LINKEDIN.COM/IN/CDANGL