

REQUIREMENTS ENGINEERING

UNAMBIGUOUS, COMPLETE
AND TESTABLE REQUIREMENTS



THE IMPACTS OF POOR REQUIREMENTS ON SOFTWARE QUALITY

64%

of total defect cost
originate in the
requirements analysis
and design phase

only 69%

FUNCTIONALITY IS DELIVERED

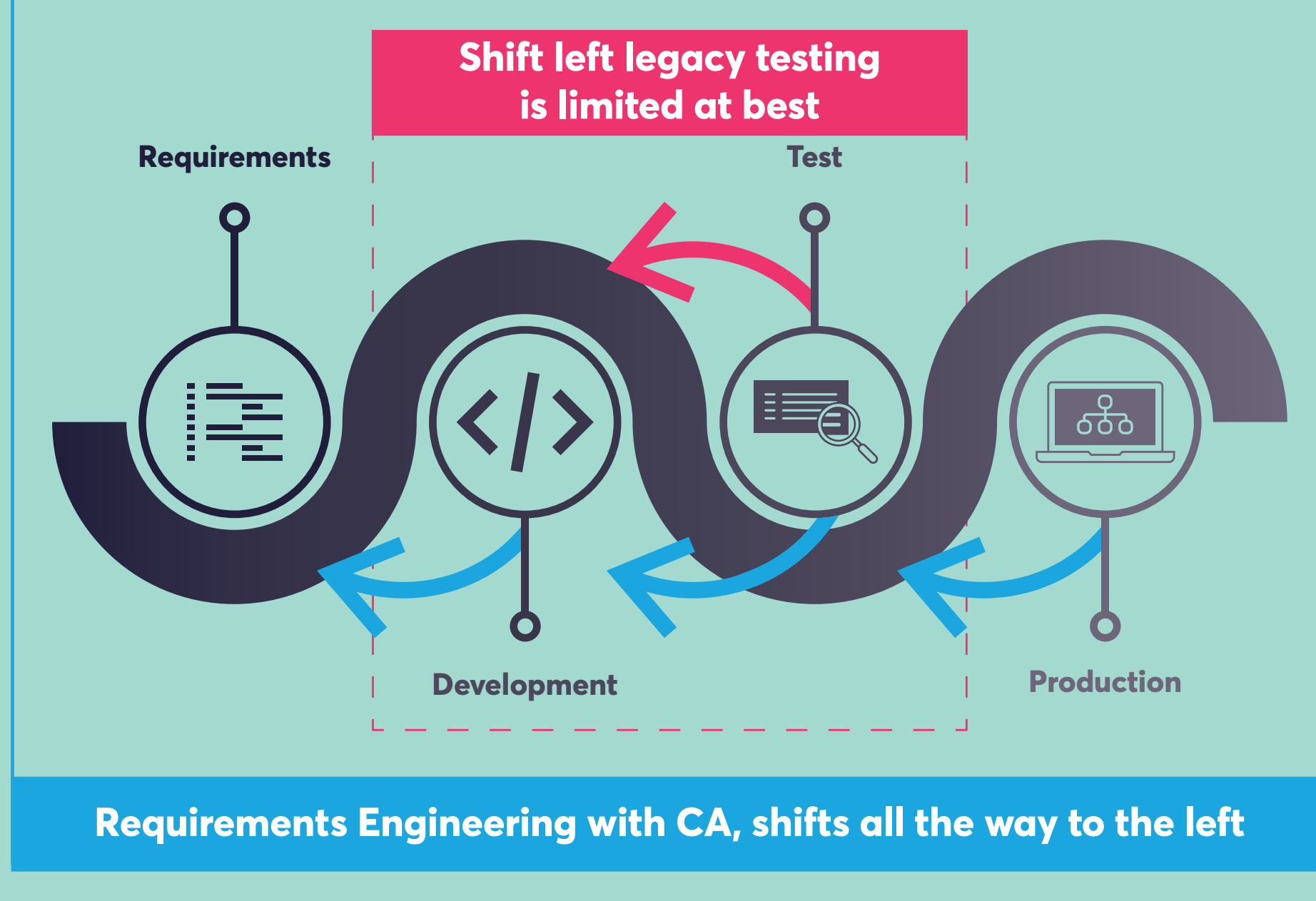
over 60%

IT PROJECTS FAIL

\$46
BILLION

SPENT ANNUALLY
FIXING DEFECTS

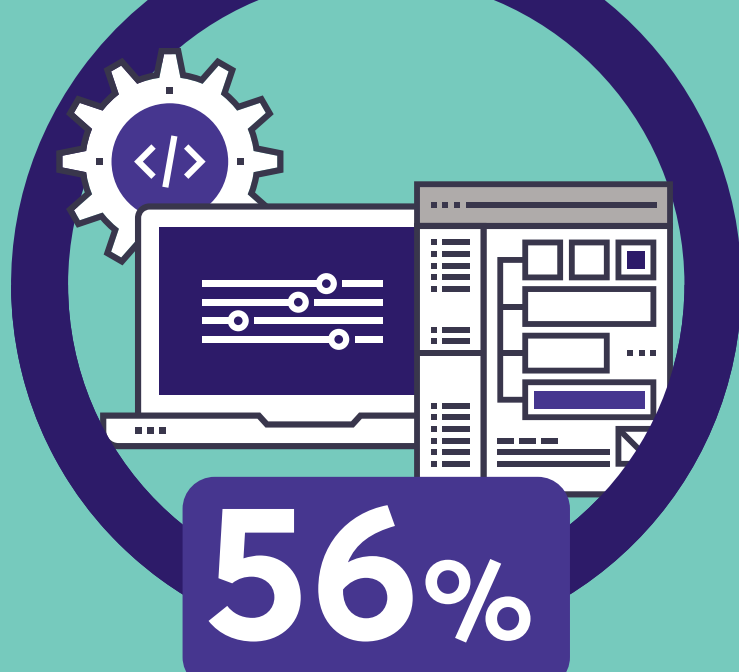
Traditional Testing Lifecycle Activities Haven't Changed in the Past 30 years



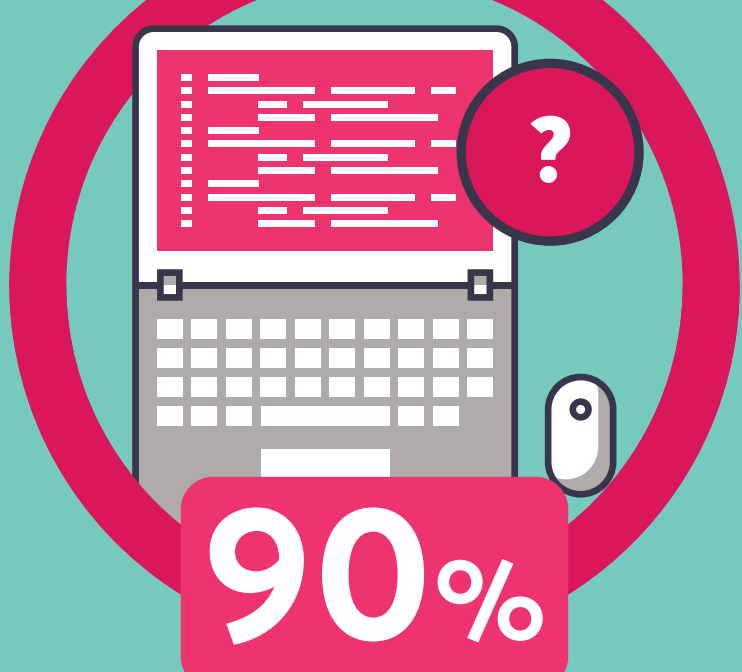
Requirements Engineering with CA, shifts all the way to the left

CA AGILE REQUIREMENTS DESIGNER CAN HELP

Reduce Software
Defects by



Reduce Requirement
Ambiguity by



Shorten Test
Cycles by



Lifecycle Management Tools

CA Agile Central

HP ALM

Atlassian Jira

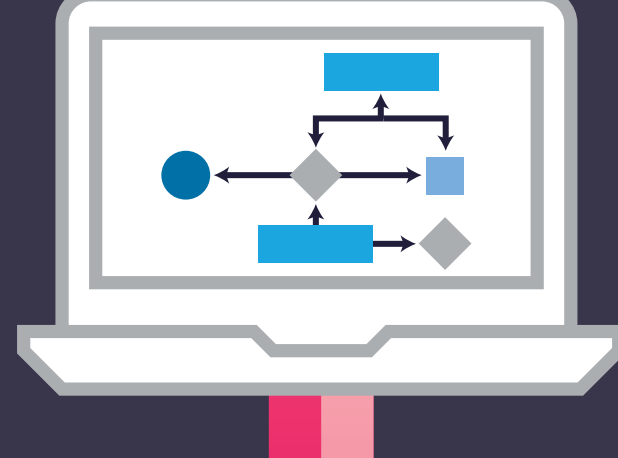
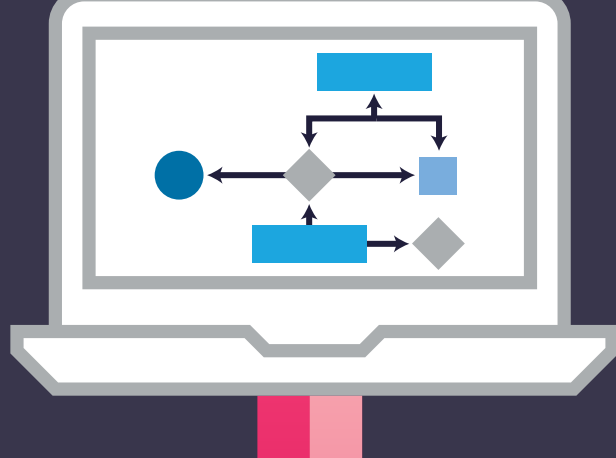
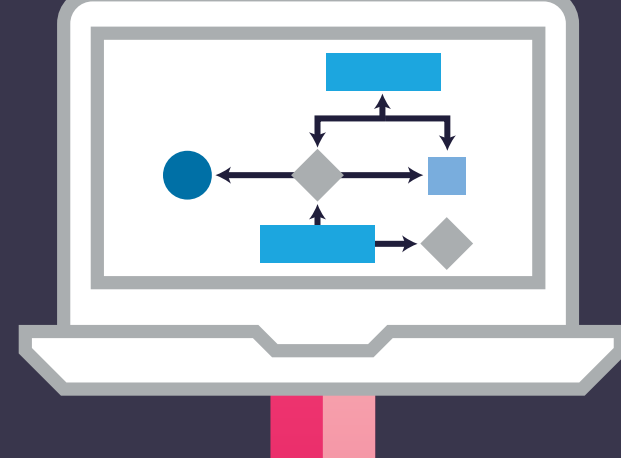
Microsoft Team
Foundation Server

VersionOne

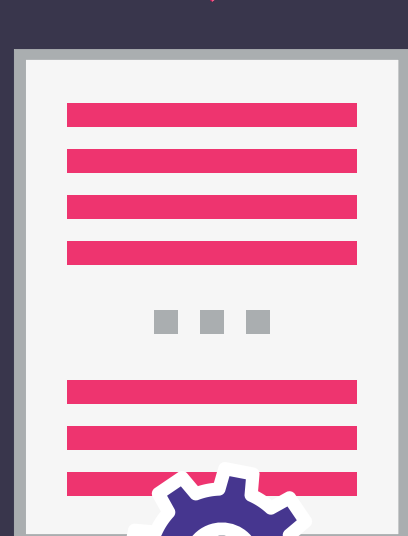
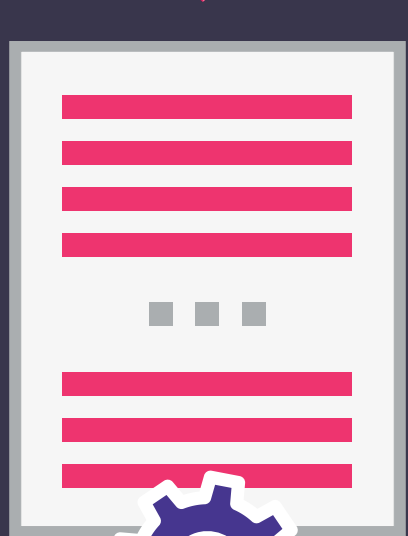
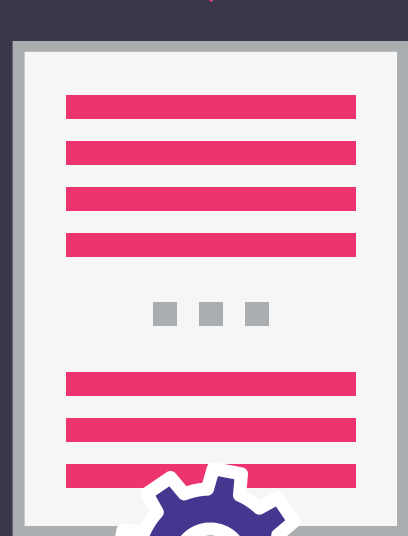
Import User Stories from lifecycle management tool



Model Requirements in visual, active flowcharts



Deliver clear and complete requirements document



Export optimized tests back to lifecycle management systems

Test Case 1
Test Case 2
Test Case 3

Test Case 1
Test Case 2
Test Case 3

Test Case 1
Test Case 2
Test Case 3

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Microsoft Team Foundation Server

VersionOne

ENGINEER AND DESIGN BETTER REQUIREMENTS AT THE SPEED OF AGILE

COLLABORATE

Facilitate Business Analysts,
Developers & Testers
collaboration in **defining
Requirements and
Acceptance Criteria**



DESIGN

Model requirements as
complete, unambiguous
and testable flowcharts,
**preventing defects from
being inserted into the code**



OPTIMIZE

Automatically generate the
optimal set of tests from
requirements to **achieve the
desired test coverage**



Get your Agile Testing Journey on the Fast Track

Get Started with CA Agile
Requirements Designer

Learn More!

ca
technologies