

Testing in
UNCHARTED
WATERS

A Survey of Testing Trends in
the World of ERP Systems

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Photostock





Testing in U N C H A R T E D W A T E R S

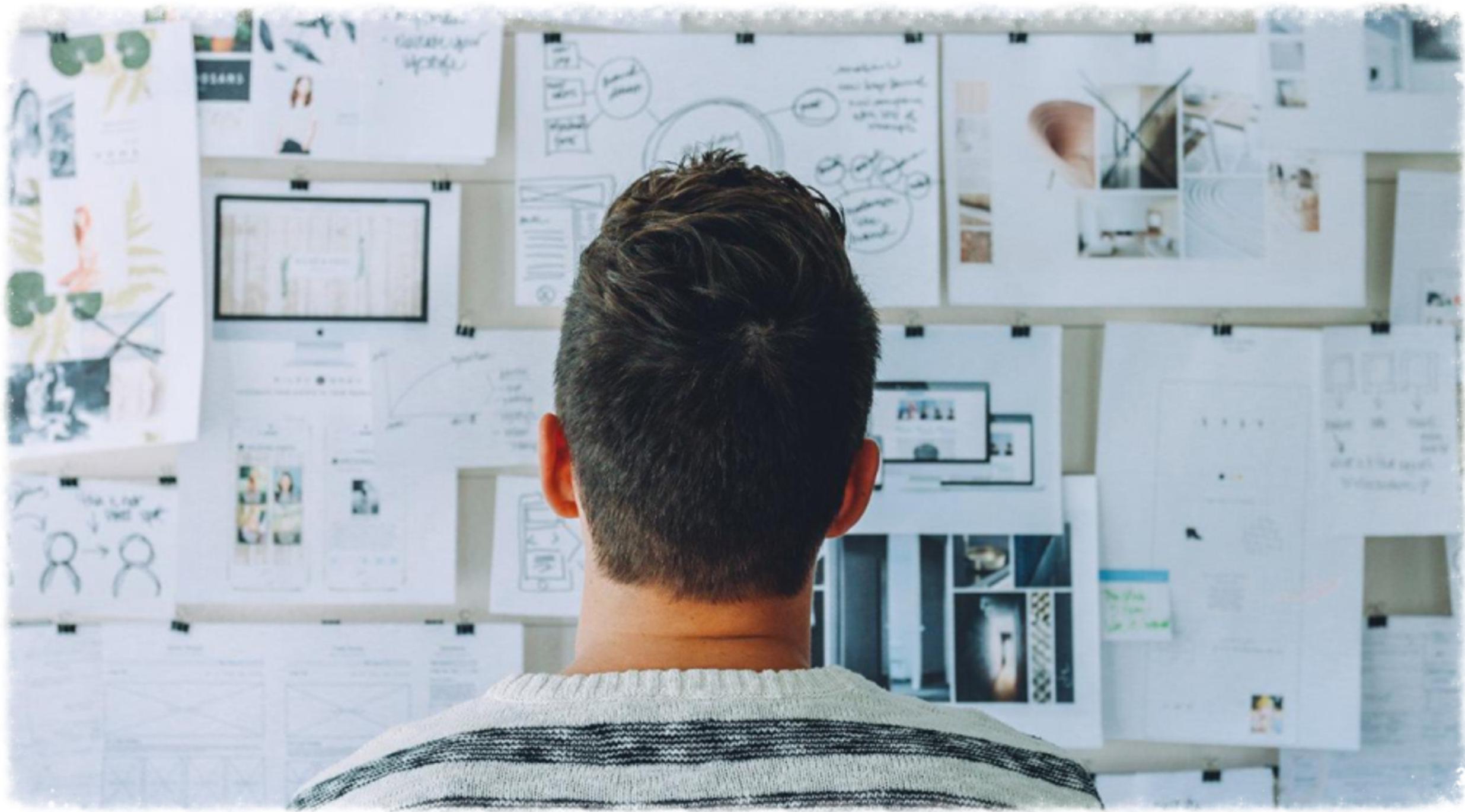
A Journey of a Testing Consultant
in the World of ERP Systems

Aleksander Lipski
[@aleetesting](https://twitter.com/aleetesting)

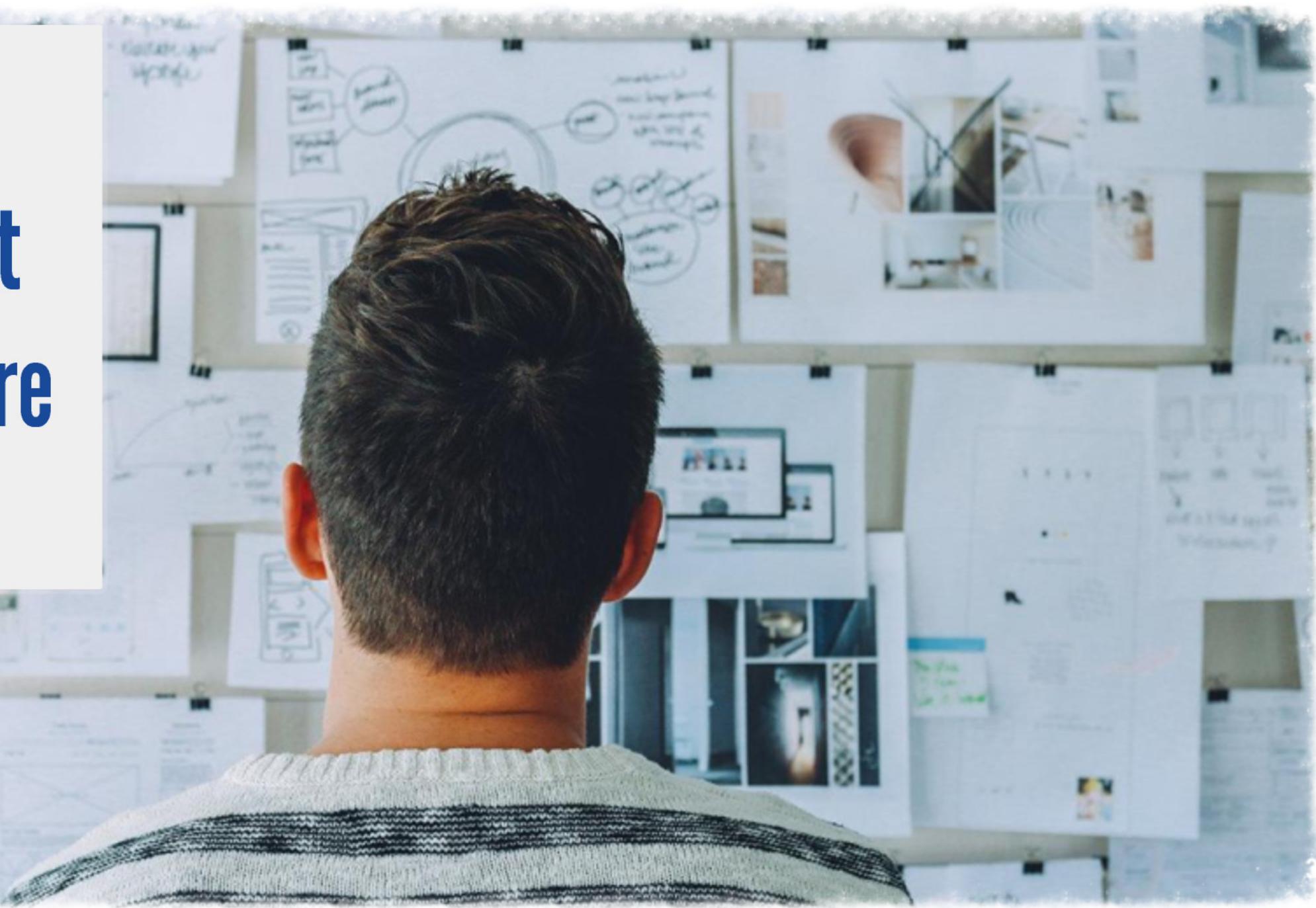


Testing in U N C H A R T E D W A T E R S

A Journey of a Testing Consultant
in the World of ERP Systems



ERP is a different "Software World"



Size



Size



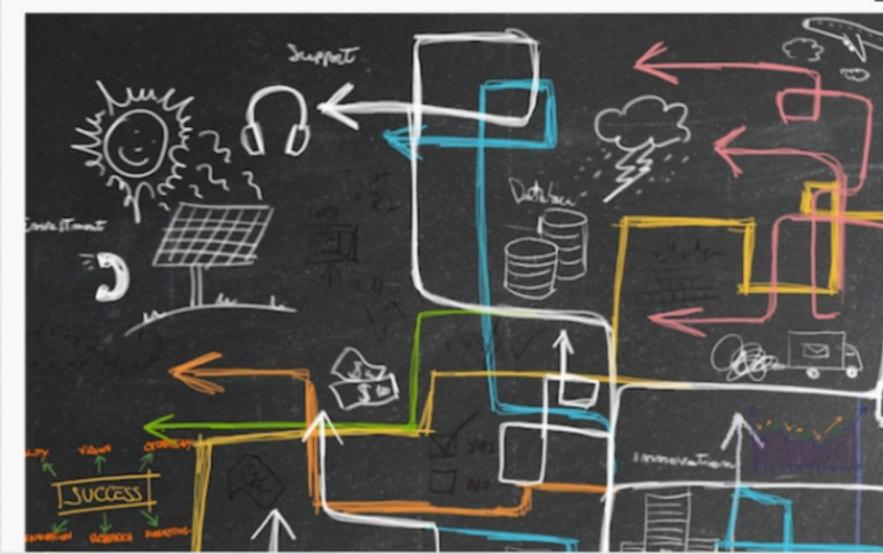
Size





Complexity

Complexity



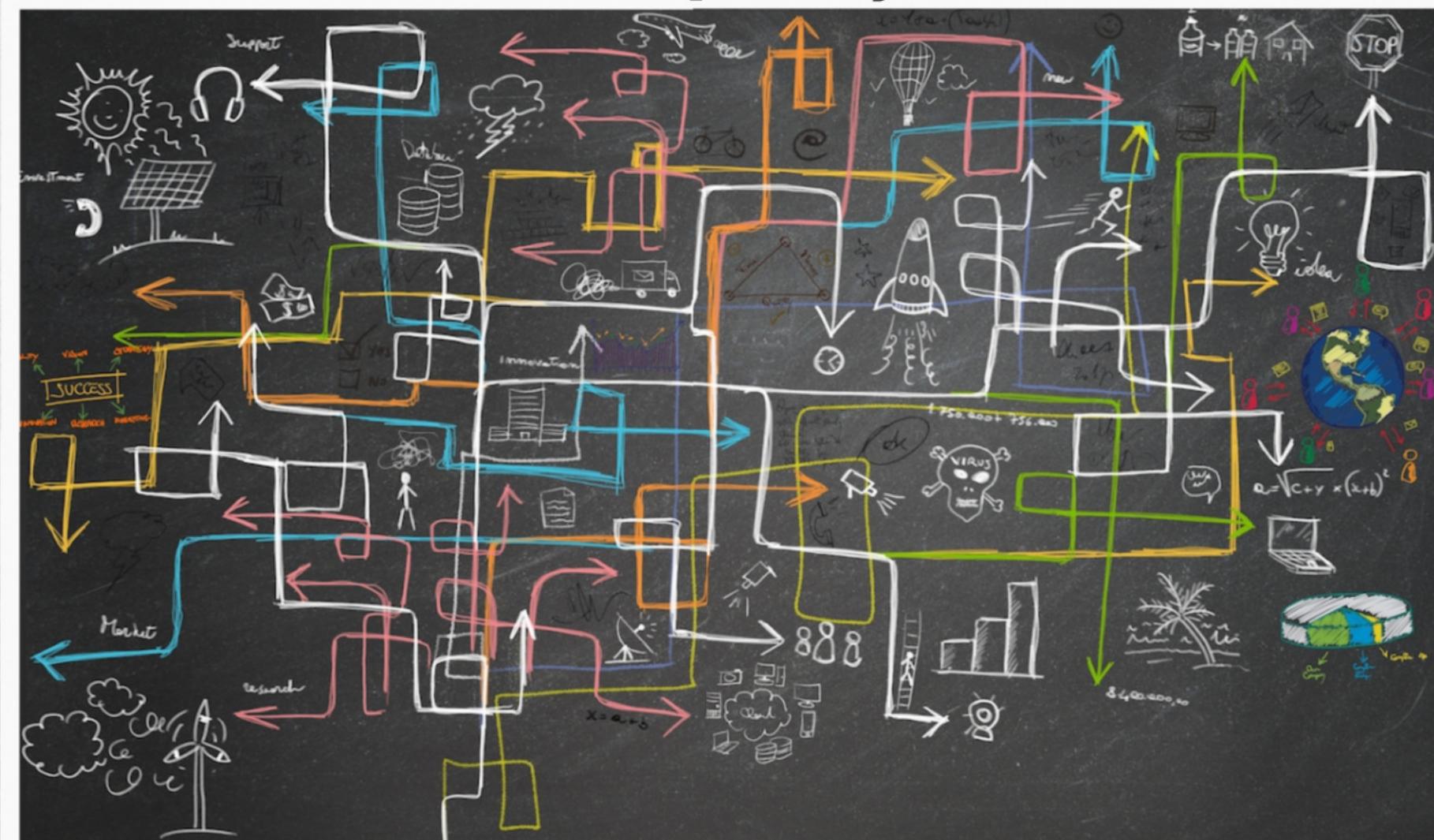
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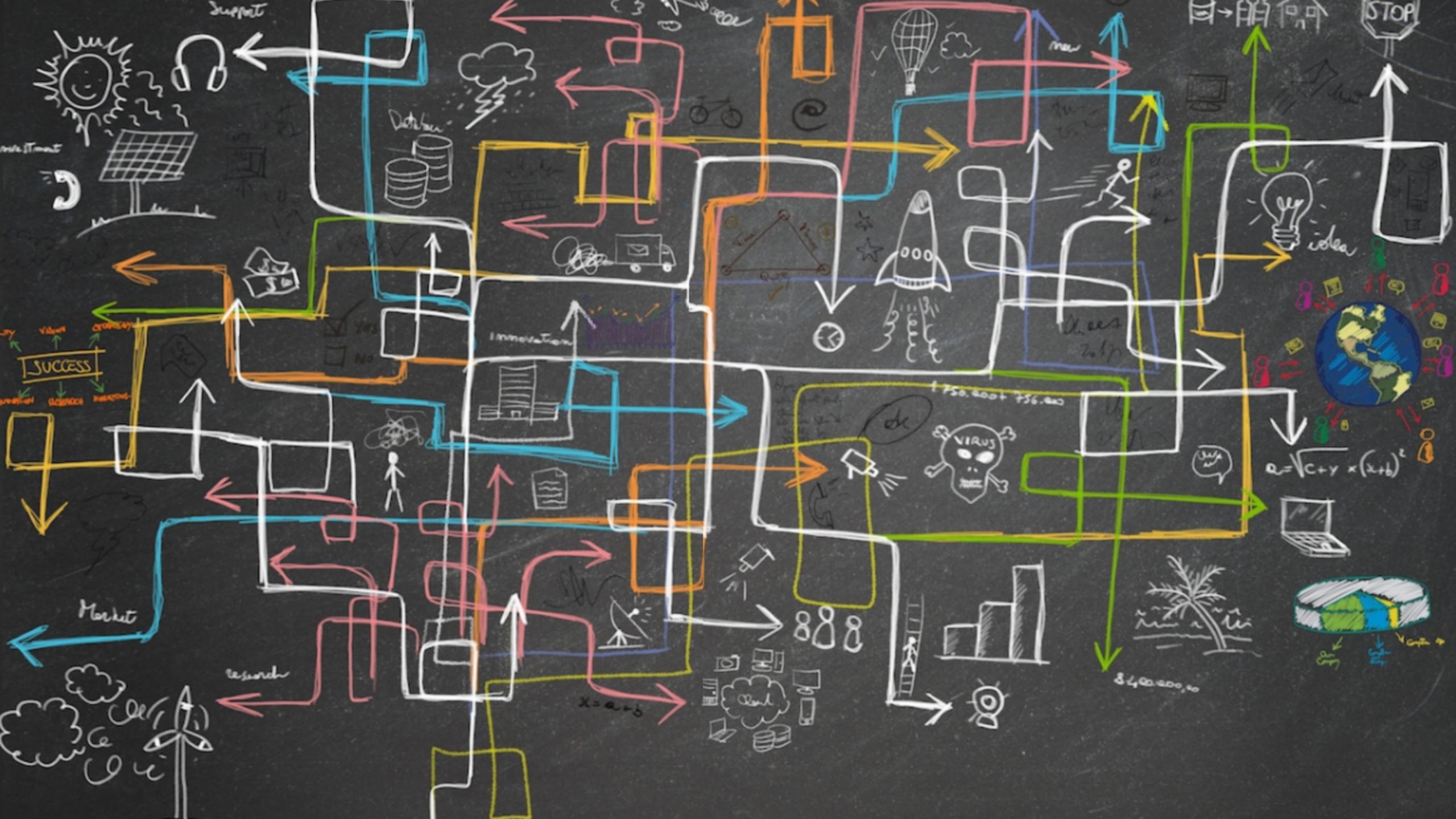


Complexity



Complexity





Integration

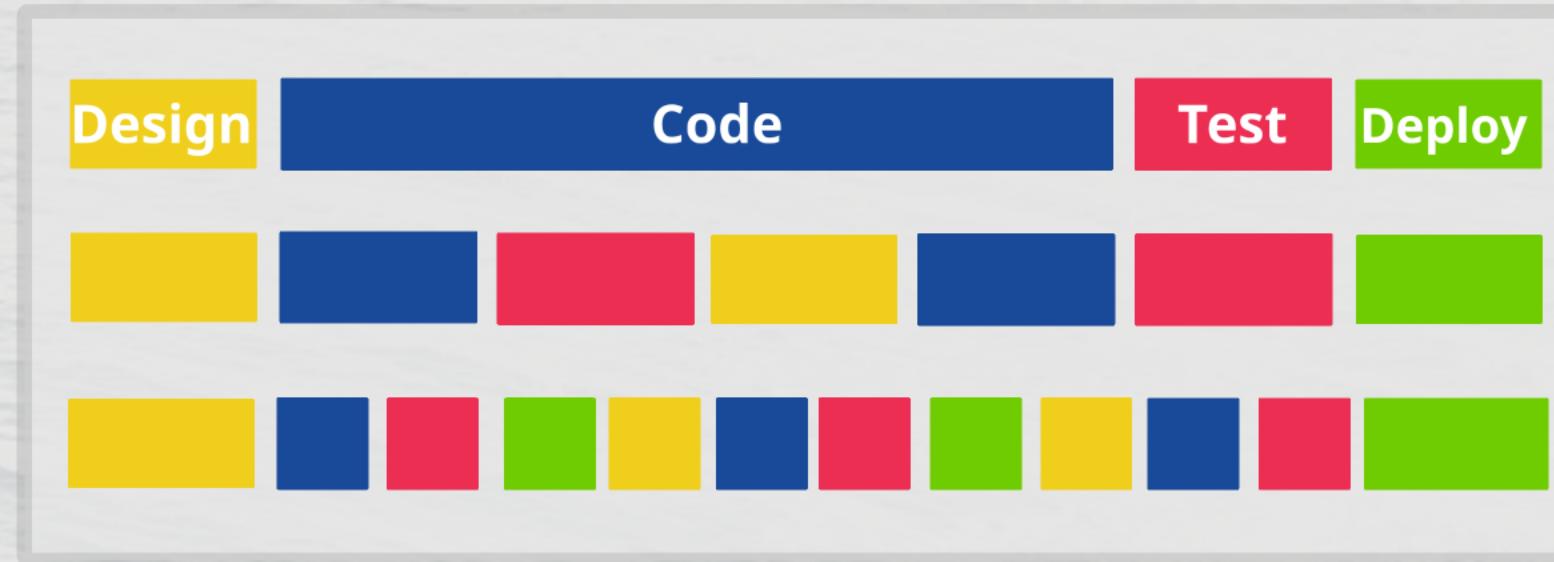
Integration



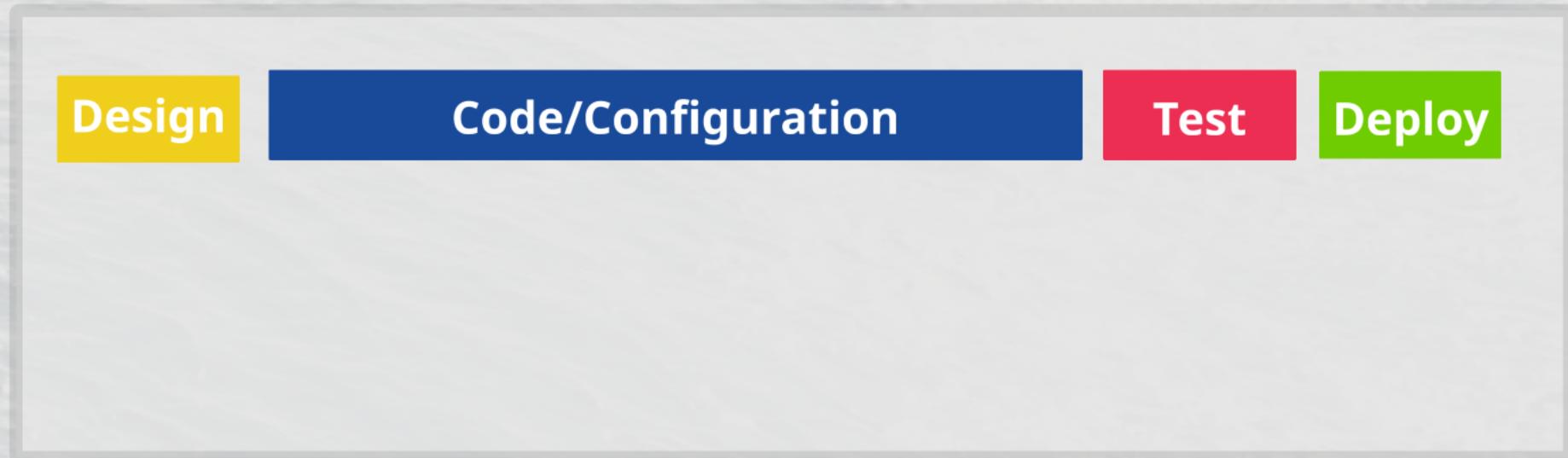
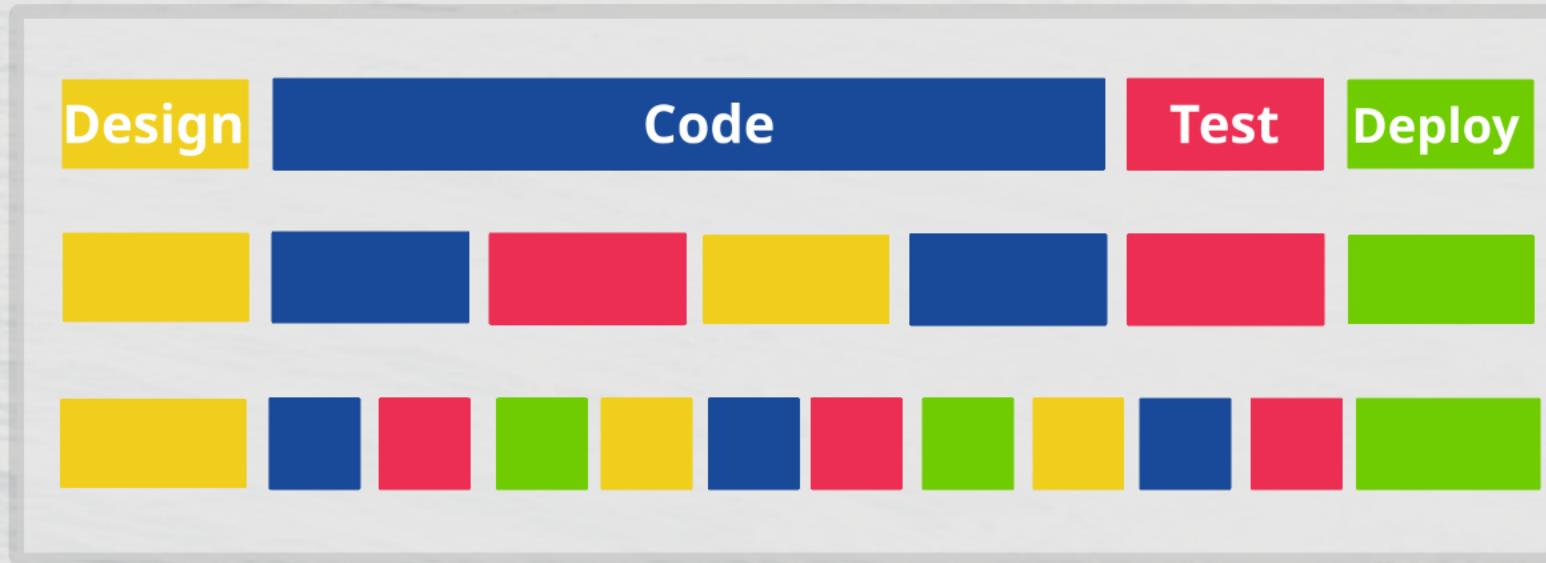
Image from NZ Management Magazine

Release Cycles

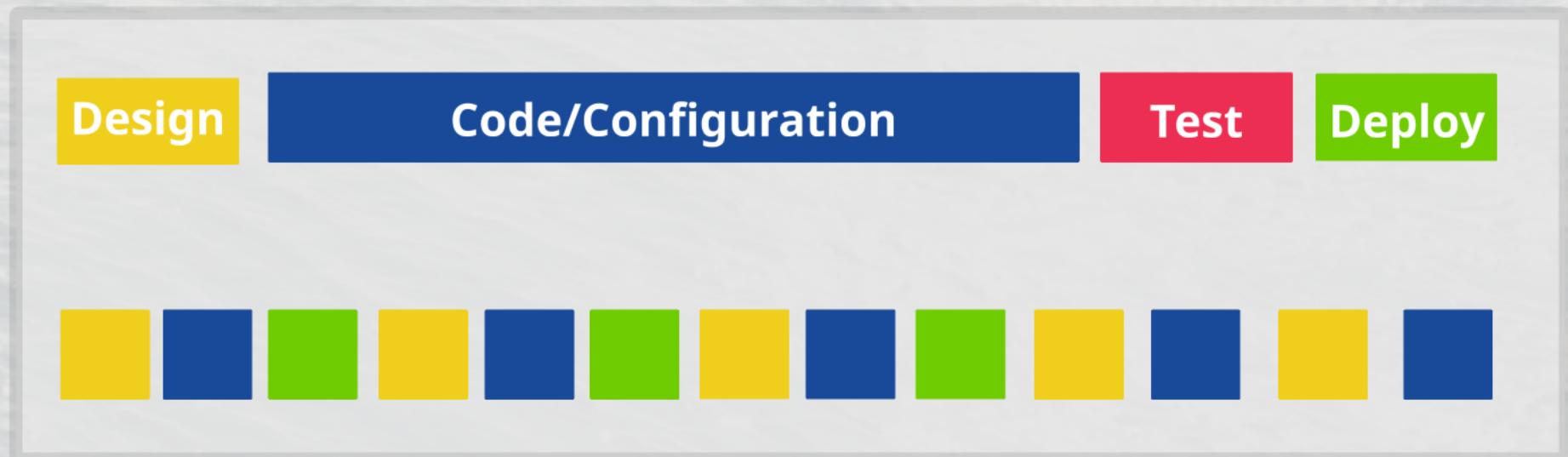
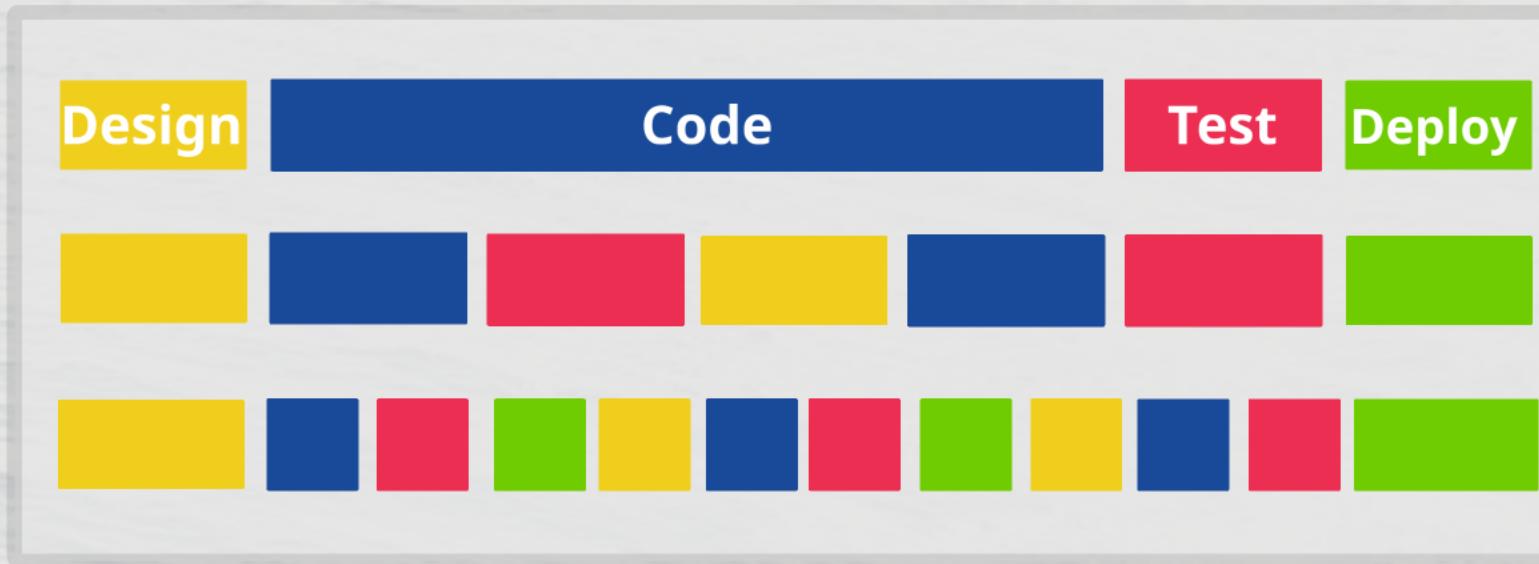
Release Cycles

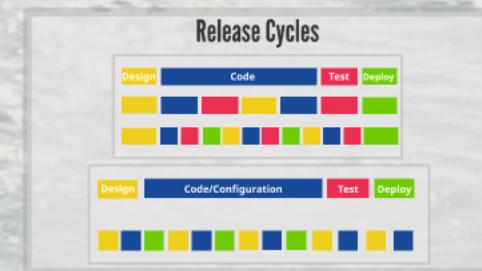
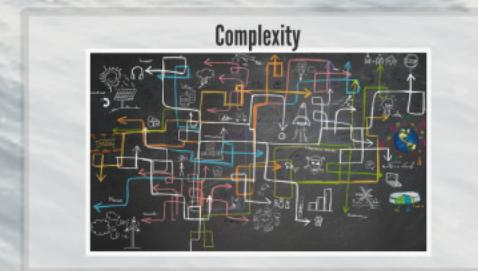


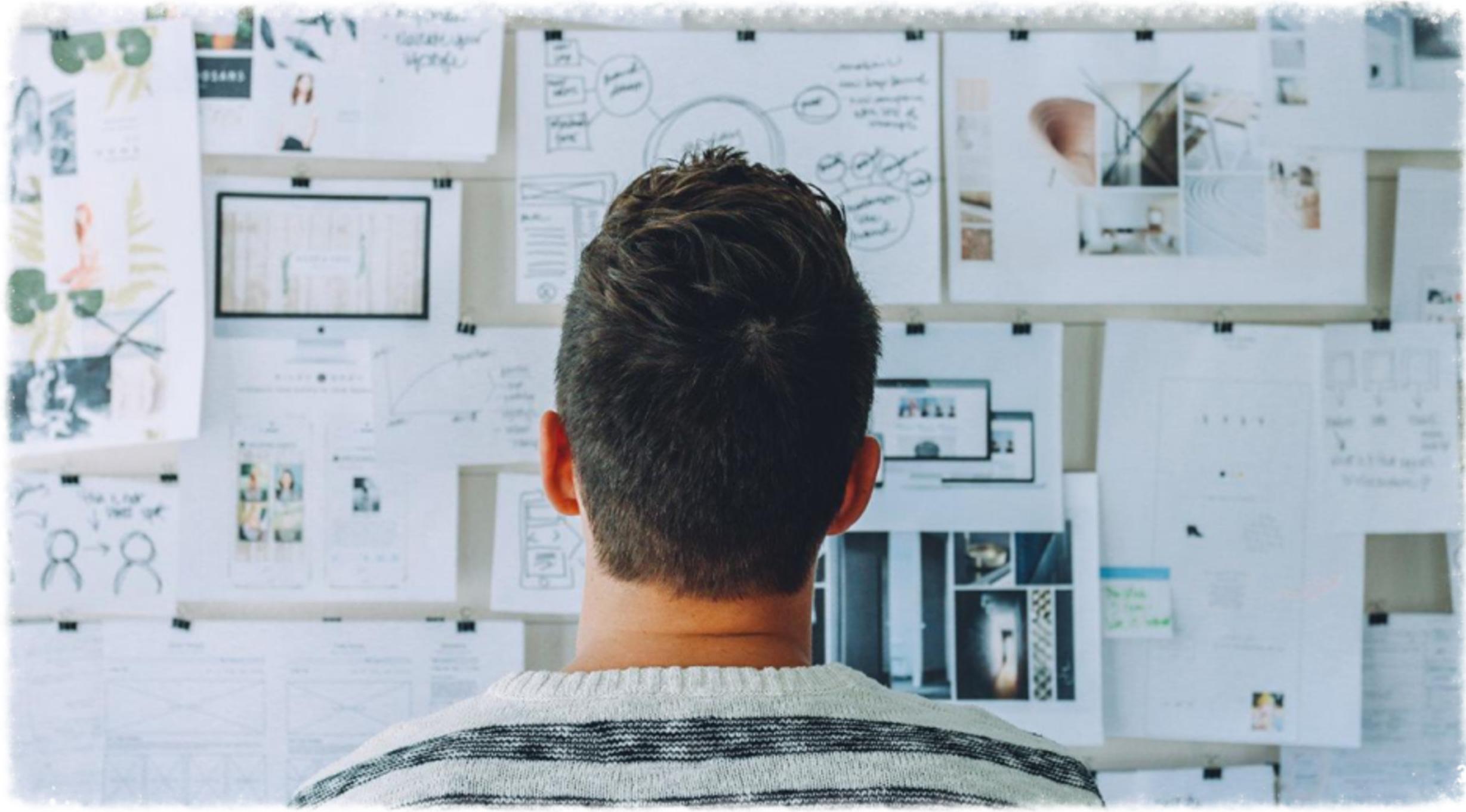
Release Cycles



Release Cycles







**ERP is a
different
"Software
Community"**



History

History



Becoming part of community

Becoming part of community



Own language

Own language





Lesson Learned in Software Testing



Everyone knows about testing

Everyone knows about testing



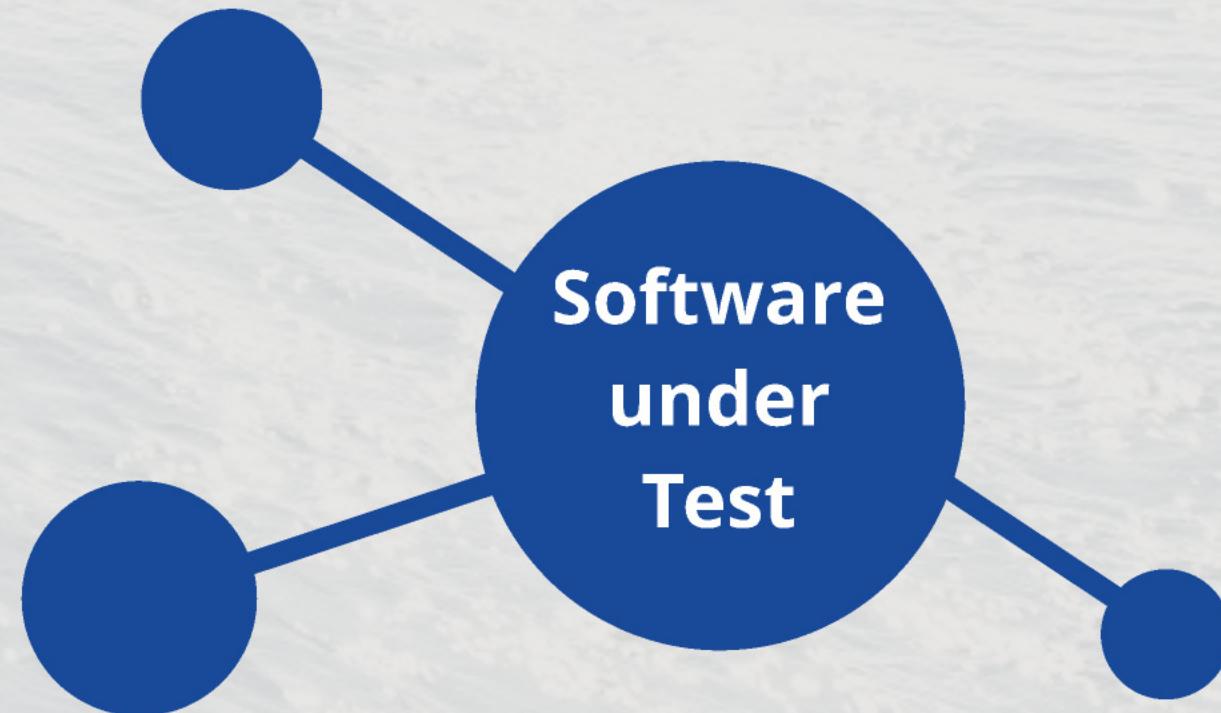
Rethink previous assumptions

Rethink previous assumptions

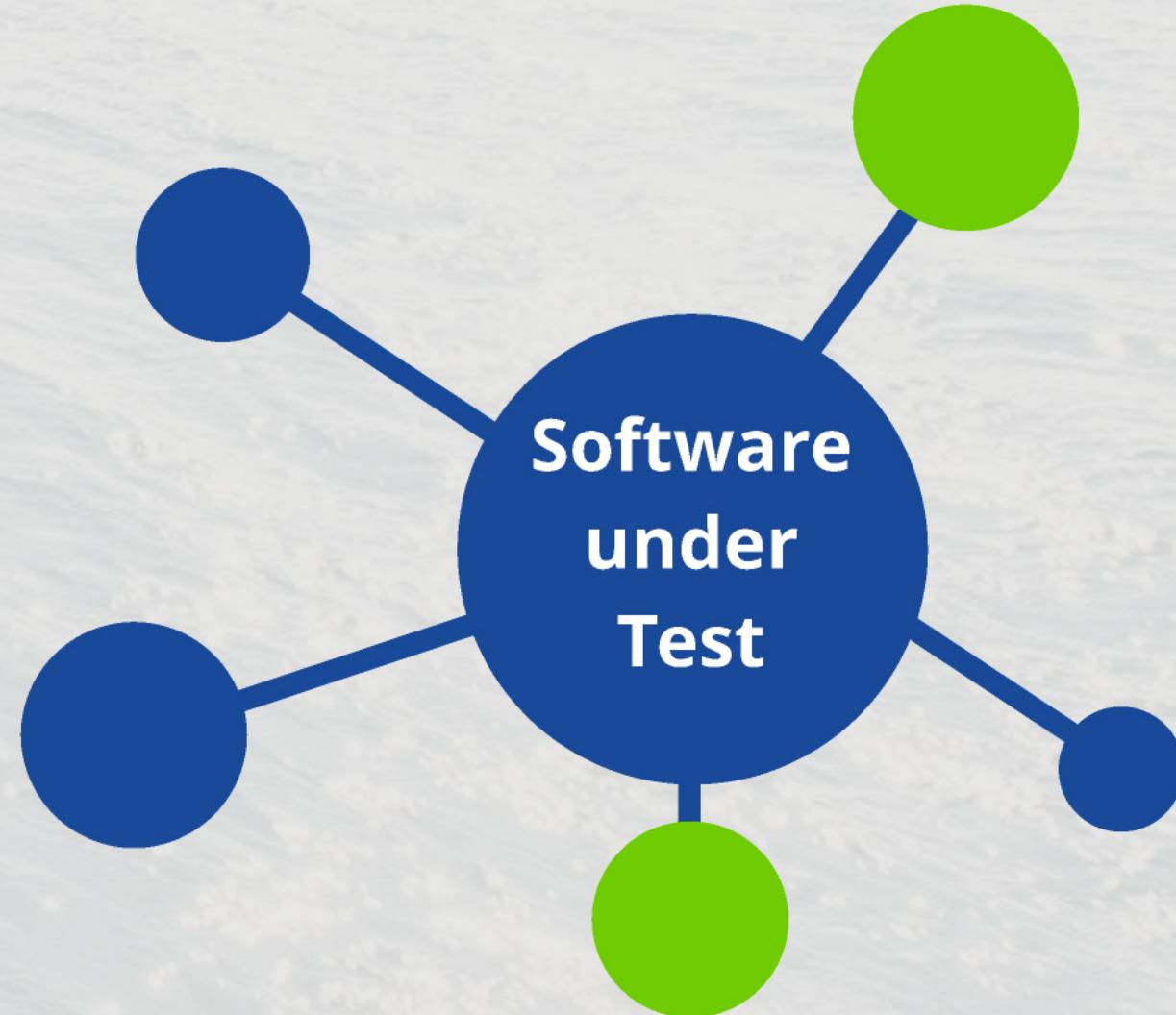


Software
under
Test

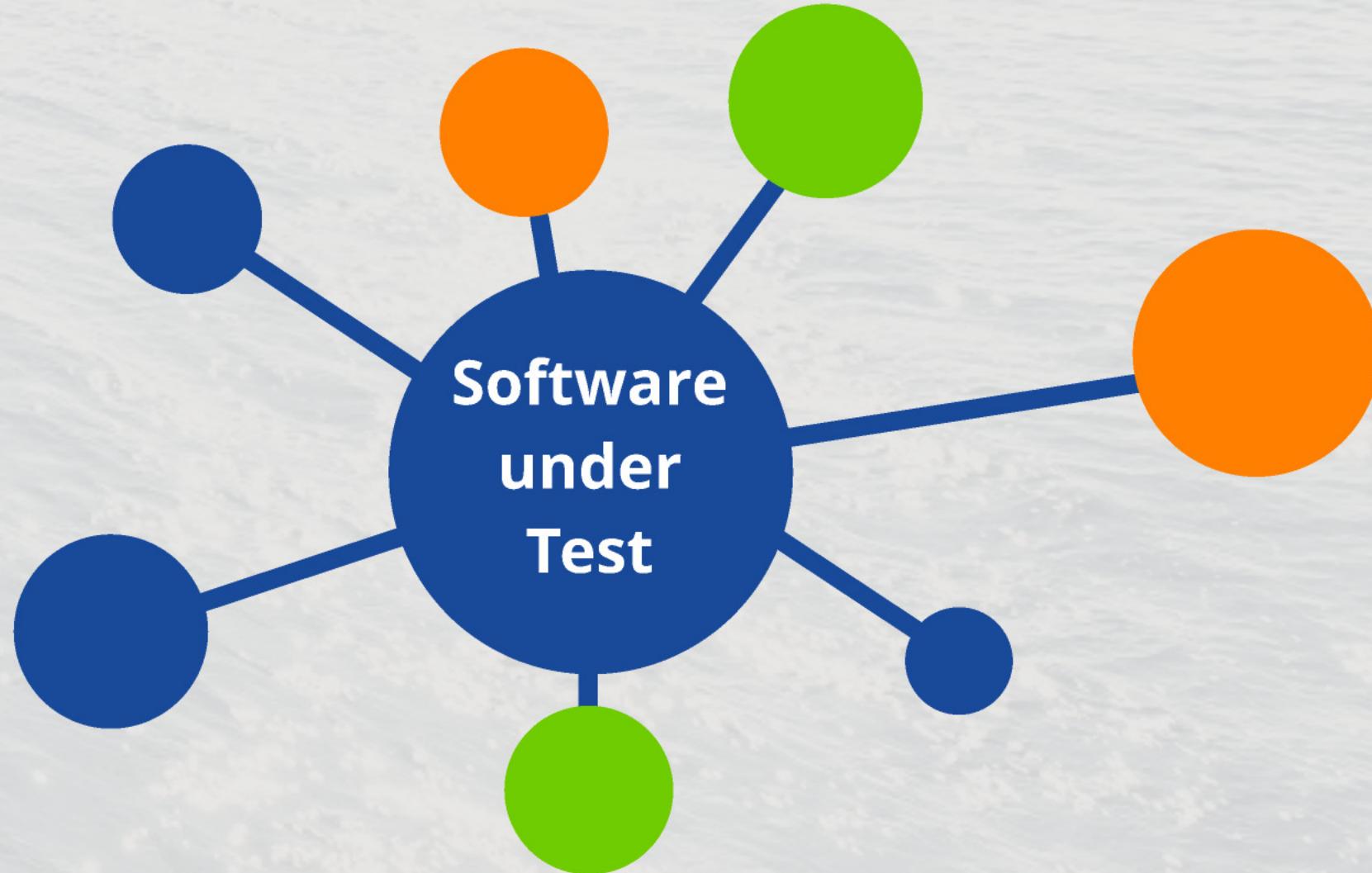
Rethink previous assumptions



Rethink previous assumptions



Rethink previous assumptions



Dictionary

Dictionary

ERP

Dictionary

ERP

Functional Consultant

Dictionary

Technical Consultant

ERP

Functional Consultant

Dictionary



Dictionary



Dictionary

ERP

Technical Consultant

Functional Consultant

Screening

Work Order

Purchase Order

Unit Testing

FiCo

General ledger

Shopping Cart

MM

PP

SD

MRP

Dictionary

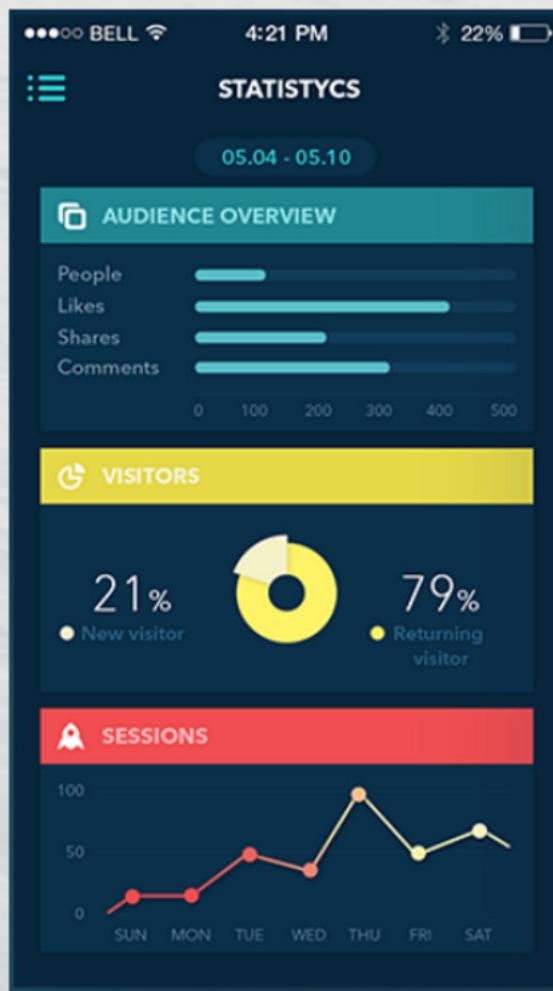
ERP *System Testing*
Functional Consultant
Screening *User Acceptance Testing*
Work Order *SD*
Technical Consultant
MM *Shopping Cart*
General ledger *PP*
MRP
Unit Testing
FiCo

User Interface

User Interface



User Interface



The figure shows a screenshot of a SAP-like application interface titled "Display Internet Quotation 201203615: Overview". The top navigation bar includes "Sales document", "Edit", "Goto", "Extras", "Environment", "System", and "Help". Below the title, there is a toolbar with various icons. The main area displays the following information:

Internet Quotation	201203615	Net value	1.566,25	USD
Sold-To Party	178890			
Ship-To Party	20015679			
PO Number		PO date	26.08.2013	
Sales				
Req. deliv.date	D	26.08.2013 <th>Deliver.Plant</th> <td></td>	Deliver.Plant	
Valid from	24.02.2012	Valid to	10.10.2013	
<input type="checkbox"/> Complete dlv.				
Total amount	1.566,25	Doc. Currency	USD / 1,00000	
Payment terms	Y15D	Due net next 10th...	Incoterms	FCA
Order reason				
Sales area	US00	/ 10	/ 10	

Software Testers

Software Testers





Everyone knows about testing



Rethink previous assumptions

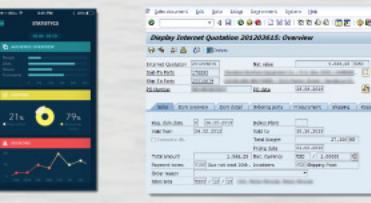


Dictionary

Technical Consultant
ERP System Testing
Unit Testing
Functional Consultant
Screening
Purchase Order
Work Order

Context

User Interface



Software Testers



Lesson Learned in Software Testing



Everyone knows about testing



Rethink previous assumptions



Dictionary

Technical Consultant
ERP System Testing
Functional Consultant
User Acceptance Testing
Screening
Work Order

User Interface



Software Testers



Context

A person in a light blue hoodie and dark pants is captured in mid-dance move, facing away from the camera towards a large mural. The mural depicts a massive shark's head and body on the right, with smaller fish swimming around it. On the left, there's a small boat and more fish. The background is a deep blue.

Lesson Learned in Introducing the change



Communication

THE UNIVERSITY OF TORONTO LIBRARIES
UNIVERSITY OF TORONTO LIBRARY

experts

experts

**HELLO
I AM...**

AN EXPERT

No experts



Start with passion

Start with passion

**"This is the first time I
met someone who cares
about testing that much"**

Raghu from Madrid

Convince colleagues

Convince colleagues





Appreciate resistance

Appreciate resistance

**"Since nobody's perfect,
we need resistance
to test our ideas"**

Gerald M. Weinberg



Don't start with closed idea

Don't start with closed idea

**"When we are closed to ideas
what we hear is criticism.
When we are open to ideas
what we get is advice"**

Simon Sinek





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Doing now what patients need next