



# I Smell A RAT

Rapid Application Testing

Peter Presnell

Effer Of The Ineffible (GBS)



# Peter Presnell



GBS



# Effer Of The Ineffible

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## *Adjective*

- incapable of being expressed or described in words;  
**inexpressible**
- not to be spoken because of its sacredness;  
**unutterable**



# And So To Testing....

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“Testing is an **infinite process** of comparing the **invisible** to the **ambiguous** in order to avoid the **unthinkable** happening to the **anonymous**”

*James Bach*



# Are There Any Testers In The Room?

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# Context

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“... we have as many testers as we have developers. And testers spend all their time testing, and developers spend half their time testing. We're more of a testing, a quality software organization than we're a software organization.”

Bill Gates (Information Week, May 2002)





# Name Your Poison



# Test Planning

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Make testing more of a **science**  
than an art





# Unit Testing

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Applications **work** because each of the parts (**units**) do their job



# Integration Testing

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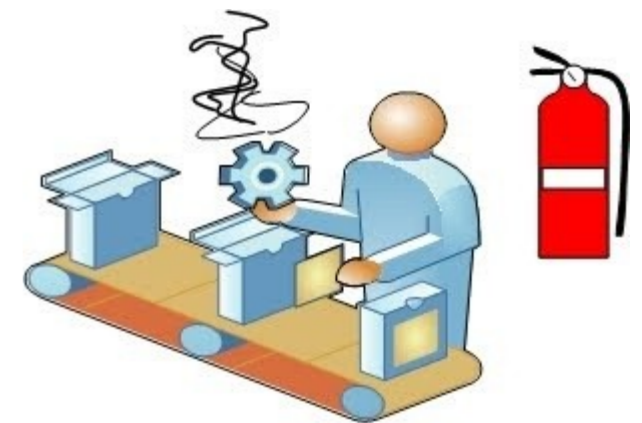
**Validate** the little bits with some **big picture testing**



# Smoke Testing

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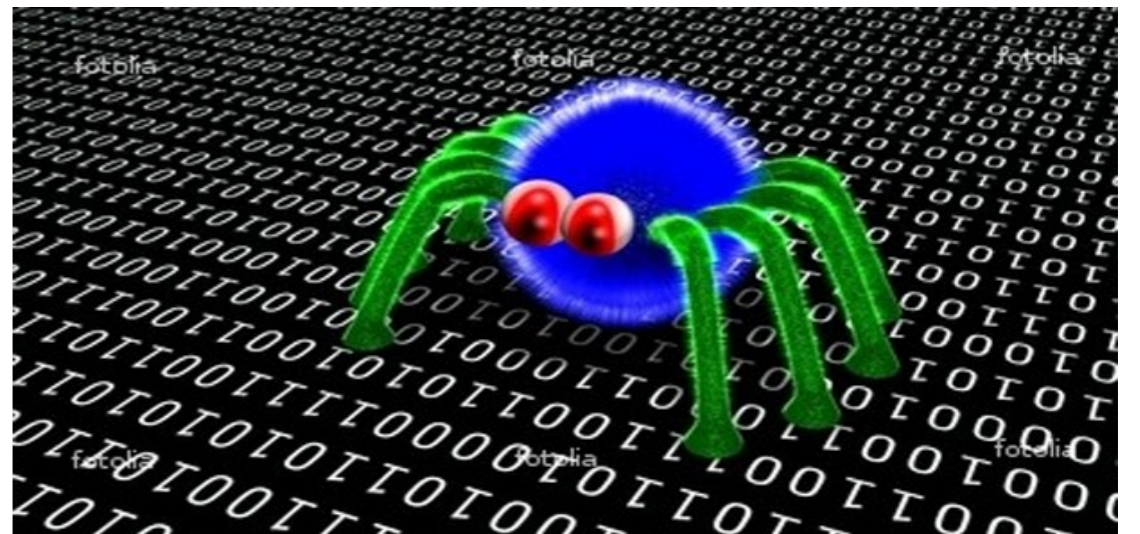
Those tests which must **always** be executed **every time**



# System Testing

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- What did we **add**?
- What did we **change**.
- What did we **fix**?



# Regression Testing

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Did **something else** break?





# RAT: Kill Bugs Faster



# Rapid Application Development

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RAD is a **methodology** and  
NOT a speed contest



# “Is That What You Want”

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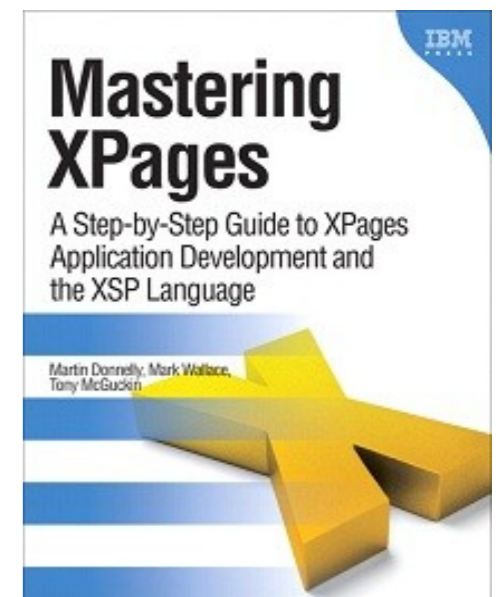




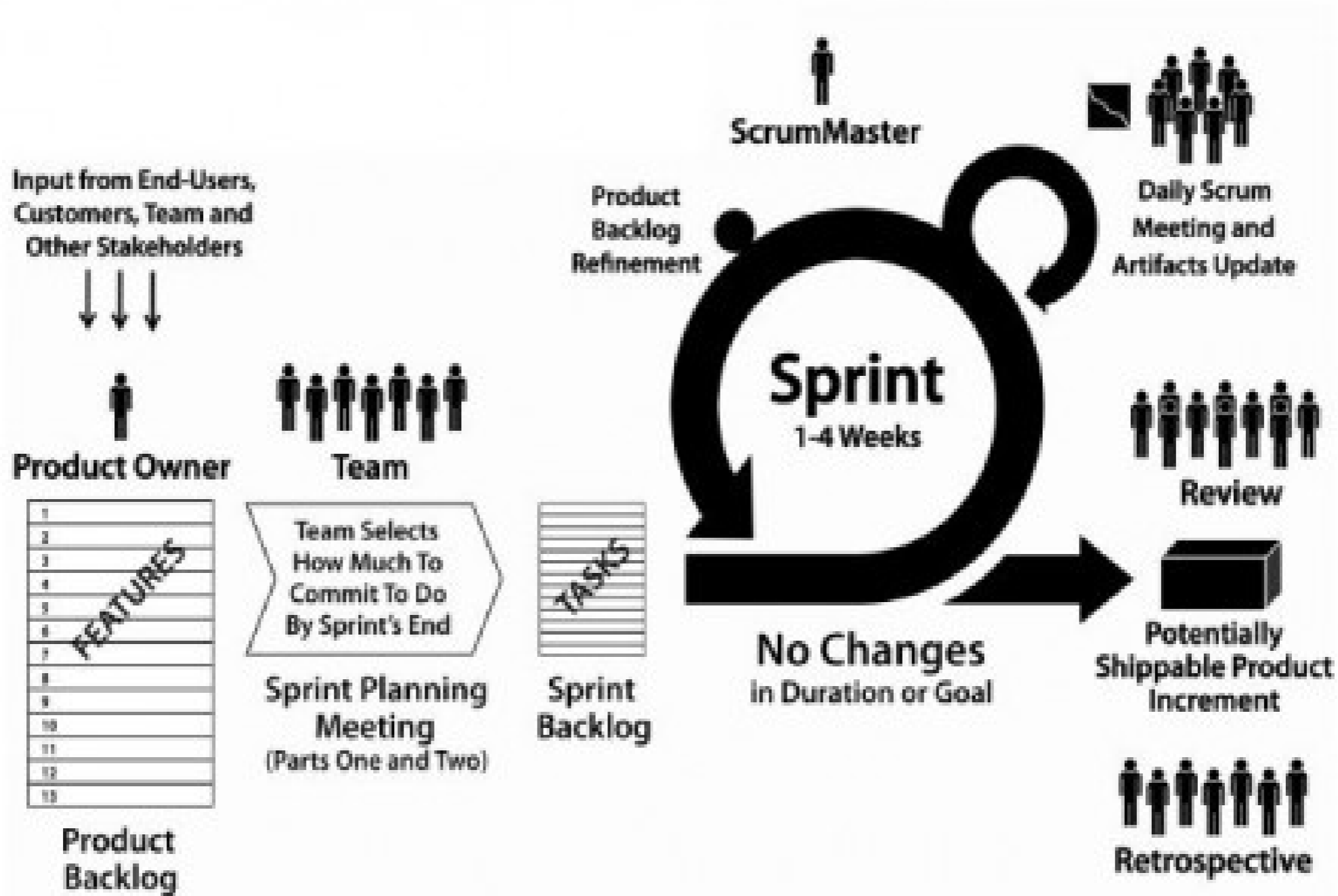
# XPages

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“XPages Is Less **RAD** Than Classic Notes”



# Agile Methodologies



# Test Driven Development

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Define your criteria for **success**  
**before** you start to write the **solution**



**TDD**

**ALL CODE IS GUILTY  
UNTIL PROVEN INNOCENT**

# Automated Test Plans

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More time and effort should go into  
**test planning** than **test execution**.

**Rapid** requires **Automation**



# Automated Test Execution

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**Automation** allows the same test to be run **many times** for little additional cost





# The Art Of Trapping Notes Bugs?



# DXL

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... the answer is out there



# CRUD

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For each Form/Object....

Can I **Create**, **Read**, **Update**, and  
**Delete**

(where applicable)





# UI Components

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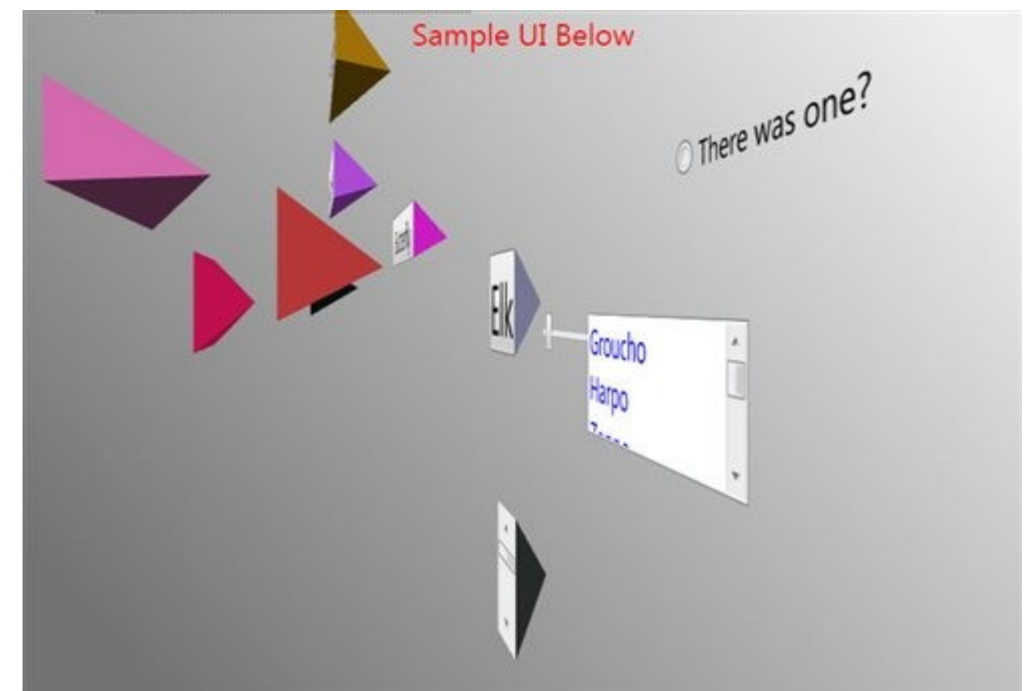
Ensuring every **component** (Action, Button, Field, Section, Table etc.) **behaves** the way it should



# UI State

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For every combination of Hide-When  
(Visible, Rendered) **what can I see** (or  
not see)



# Event Model

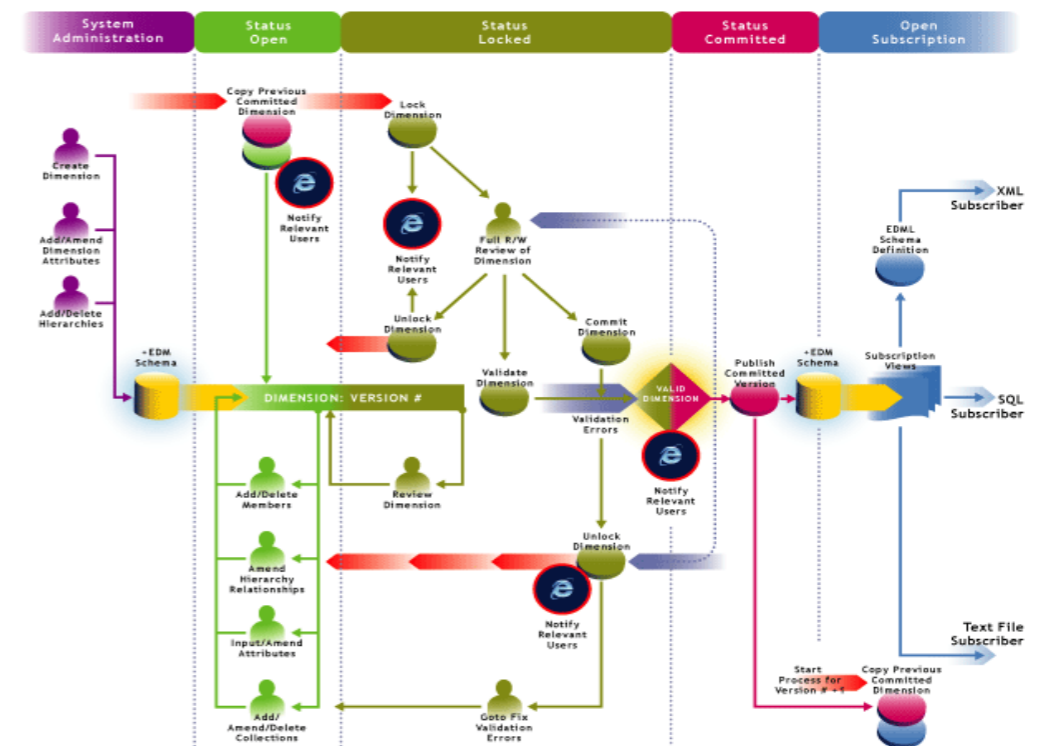
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What **events** do I have, and do they **work**  
at the **correct time** in the **correct**  
**sequence**?



# Workflow

Define and verify **states** and **transitions**



# Styling

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- Where does the **developer** impose specific styling?
- Does it **look right**?





# Building a “Before And After” Mousetrap



# Common Scenarios

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- **Who wrote this** \$%&\* code!
- Migrating to a **new release**
- Migrating to **XPages**



# True Or False?

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Our company's **Notes applications** are **always well documented**





# True Or False?

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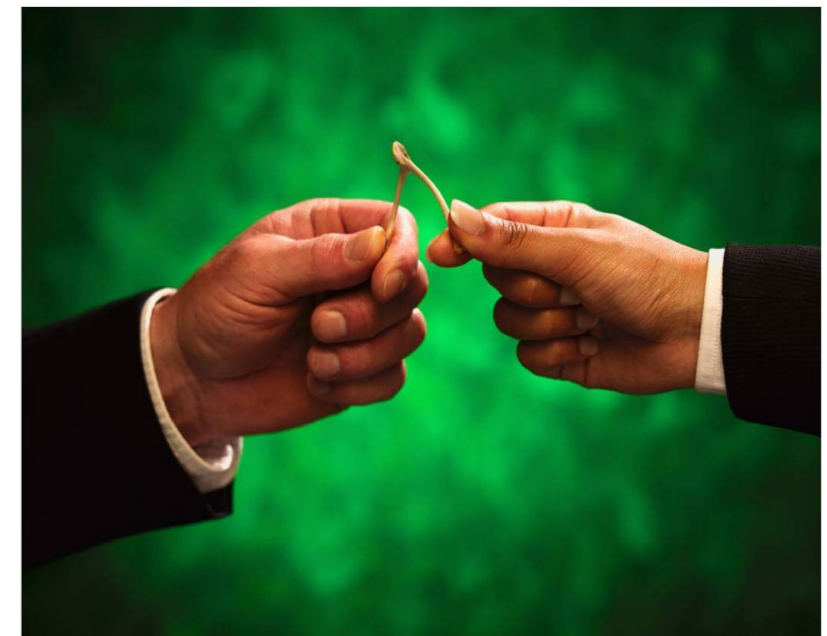
**All** of our **Notes applications** have **formal test plans**



# True Or False?

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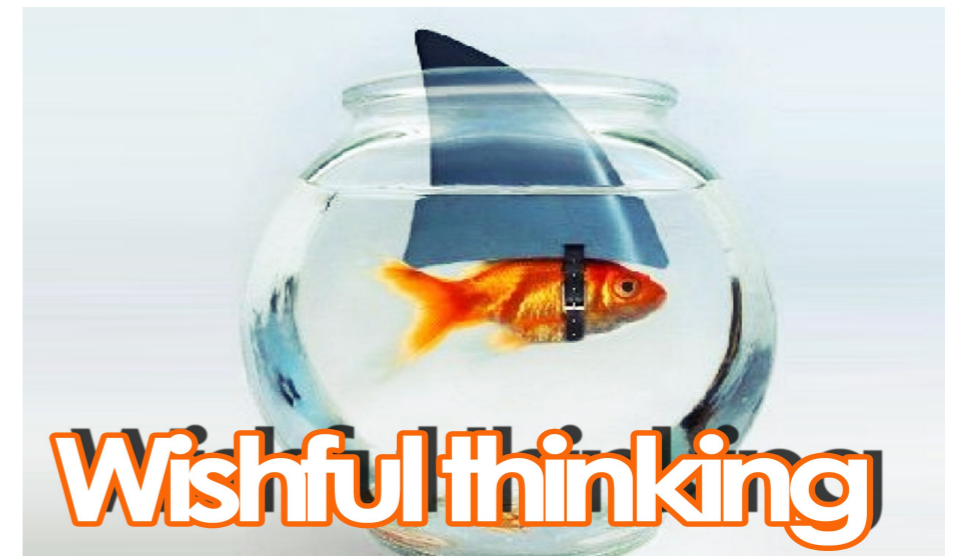
**Most** of our **Notes applications** have **formal test plans**



# True Or False?

---

**Some** of our **Notes applications** have **formal test plans**



# True Or False?

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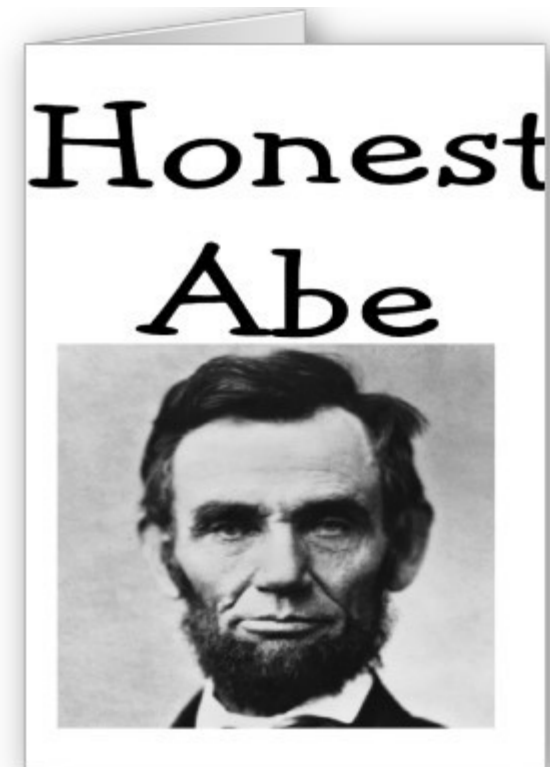
**One** of our **Notes applications** has **formal test plans** (I Think)



# True Or False?

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**None** of our **Notes applications** have **formal test plans**



# Before And After Testing

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Does it still do what it did before?



# Contact Information

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