







Development and Testing Methodologies

- Are typically *not* the main solution to build better software!
 - The magic is not in the methods!
 - If so, why do we keep trying different "silver bullets"?
- There is a relationship, just not the deeper solution.
- This is actually good news, because you can apply these ideas regardless of your methods.















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A Project is Like Taking a Trip

- You need to know your:
 - Destination
 - Current location
 - Orientation (Direction)
 - Trip progress
 - Speed

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- Resource levels (gas, oil, etc.)
- Engine operation (temp, charge, etc.)



















What is Shown on a Typical Testing Dashboard?

- Test Coverage
 - Requirements
 - Functional
 - Test case
 - Code
- Test Status
 - Testing
 - Defect resolution
 - Readiness for deployment
 - Pass/Fail
- Progress
 - Based on test goals and objectives
 - Blockages

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- Risk
- Techni
- Business
- Project
- Defects
 - Categories
 - Trends
 - Detection Percentage
 - Resolution Status
- Testware
 - Completion %
 - Automation %
- Resources

What Should You Show?

- Ask your customers!
 - What information do they value?
 - How do they need it shown?
 - When do they need it?
 - How timely must it be?

• However, just like in obtaining user requirements, people often don't know what they want or need until they actually see it.

• Start with a prototype



Things to Consider When Designing Dashboard Items

- Purpose of the Dashboard
- Chart or Graphic Types
- Colors
- Positions
- Brightness
- Orientation
- Sizes
- Shapes







Sample Projec	t Quality	Dashboard	WOW A
Post-Implementation Defects By S	ystem <u>Edit Data</u>	Top Eight Outstanding Risks	Edit Dat
CPI FIP For any for a set of the	System a Accounting a Sales a Inventory a HR a Payroll a CRM a ERP	Risk, System 1 User Training, Accounting 2 Usrahling, Veb Site 3 Security, Veb Site 4 User Involvement, Inventory 5 Lack of Resources, IM 6 Inadequate User Requirements, Sales 7 Insufficient test schedule, Finance 8 Verdor dispute, CRM	Pisk Level 4 4 4 3 3 3 3 3 8 Refresh
Test Completion % by	DDP History	Defect Types	Quality Attribute Levels















Process Improvement Without Making a Big Deal Out of It

- Most people who improve do so without a major model or push.
- All it takes is asking and acting on a few questions to your customers and team.















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