

# Secrets of the Pragmatic Programmer

**Peter Provost**

**[peterpr@microsoft.com](mailto:peterpr@microsoft.com)**

**<http://peterprovost.org>**

**Brad Wilson**

**[bradwils@microsoft.com](mailto:bradwils@microsoft.com)**

**<http://bradwilson.typepad.com>**

“Each tip is drawn from experience, told as concrete advice, and related to others to form a system.

[...]

You can follow the advice in this book because it is concrete. You won't find vague abstractions. Dave and Andy write directly for you, as if each tip was a vital strategy for energizing your programming career. They make it simple, they tell a story, they use a light touch, and then they follow that up with answers to questions that will come up when you try.”

- Ward Cunningham

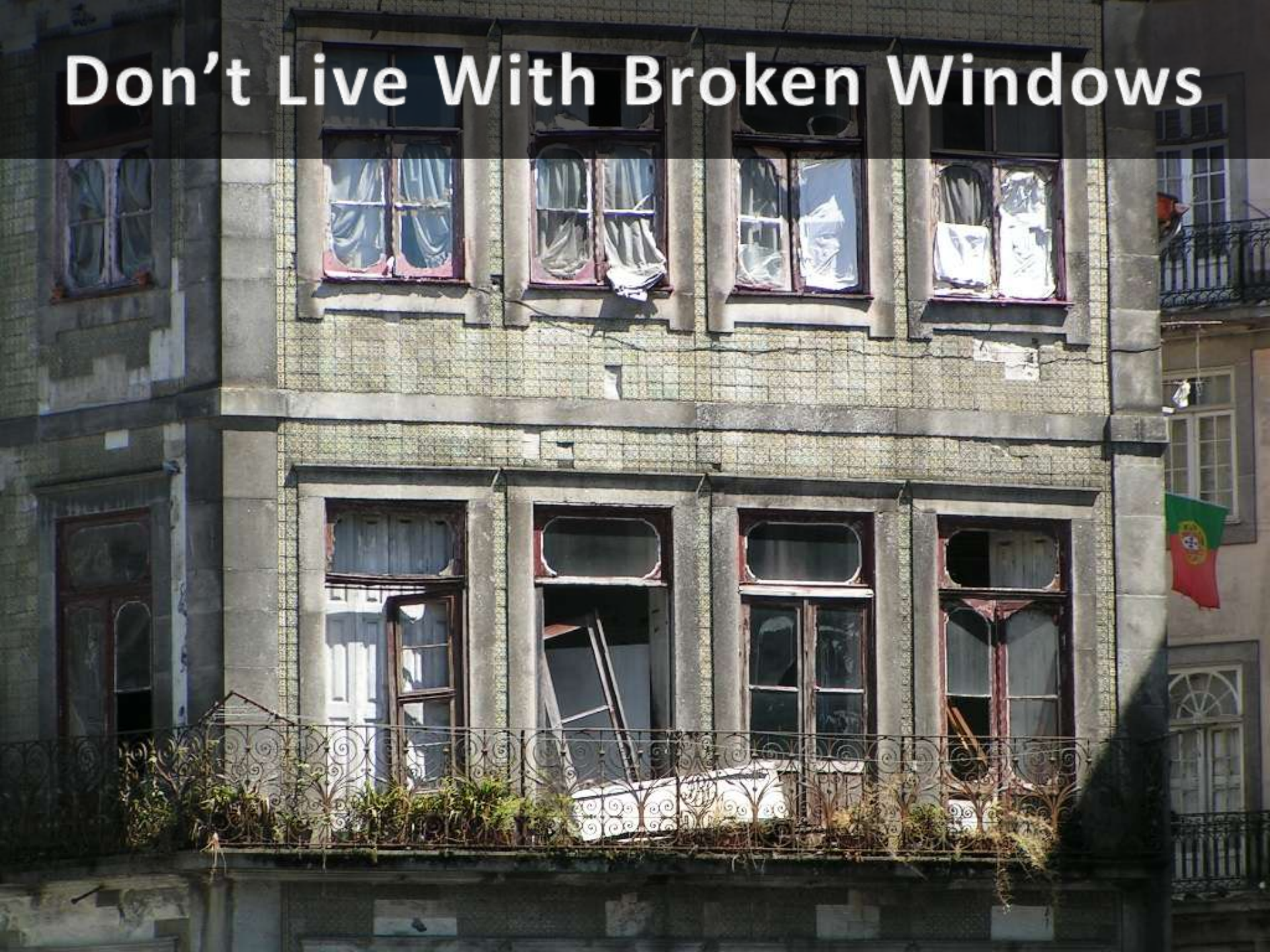
# The Pragmatic Programmer



from journeyman  
to master

Andrew Hunt  
David Thomas

**Don't Live With Broken Windows**



# Iterate The Schedule With The Code

**Planner 2008** —————

JANUARY

FEBRUARY

SUN

MON

TUE

WED

THUR

# Some Things Are Better Done Than Designed



**Test Early.  
Test Often.**

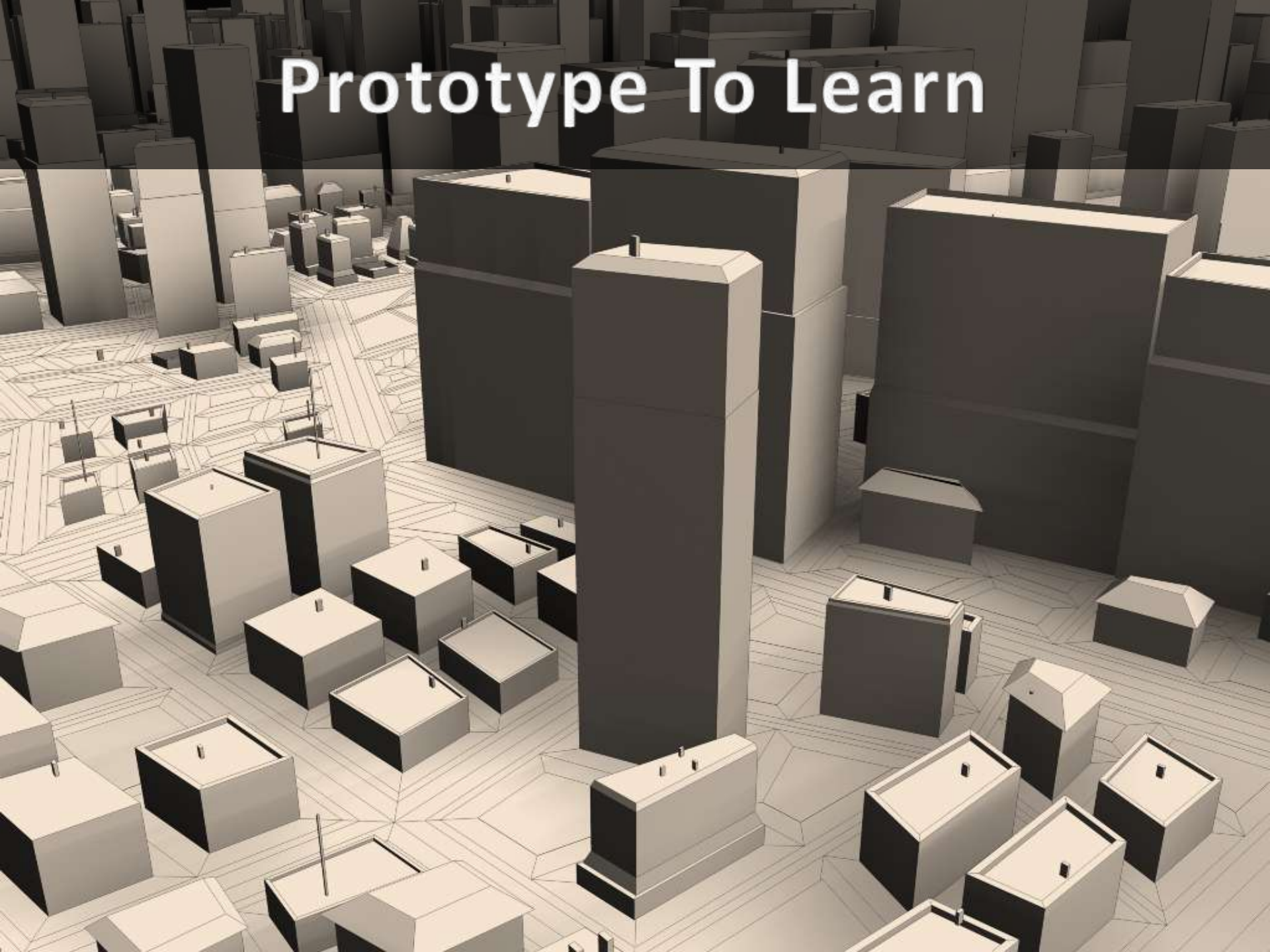
**Test Automatically.**



# Find Bugs Once



# Prototype To Learn





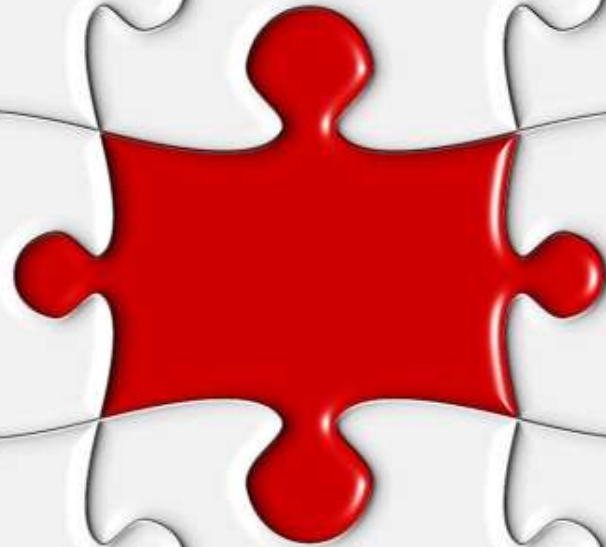
**Fix The Problem, Not The Blame**



**Make  
Quality A  
Requirement**



# Eliminate Effects Between Unrelated Things



# Don't Repeat Yourself (DRY)



**Refactor Early**

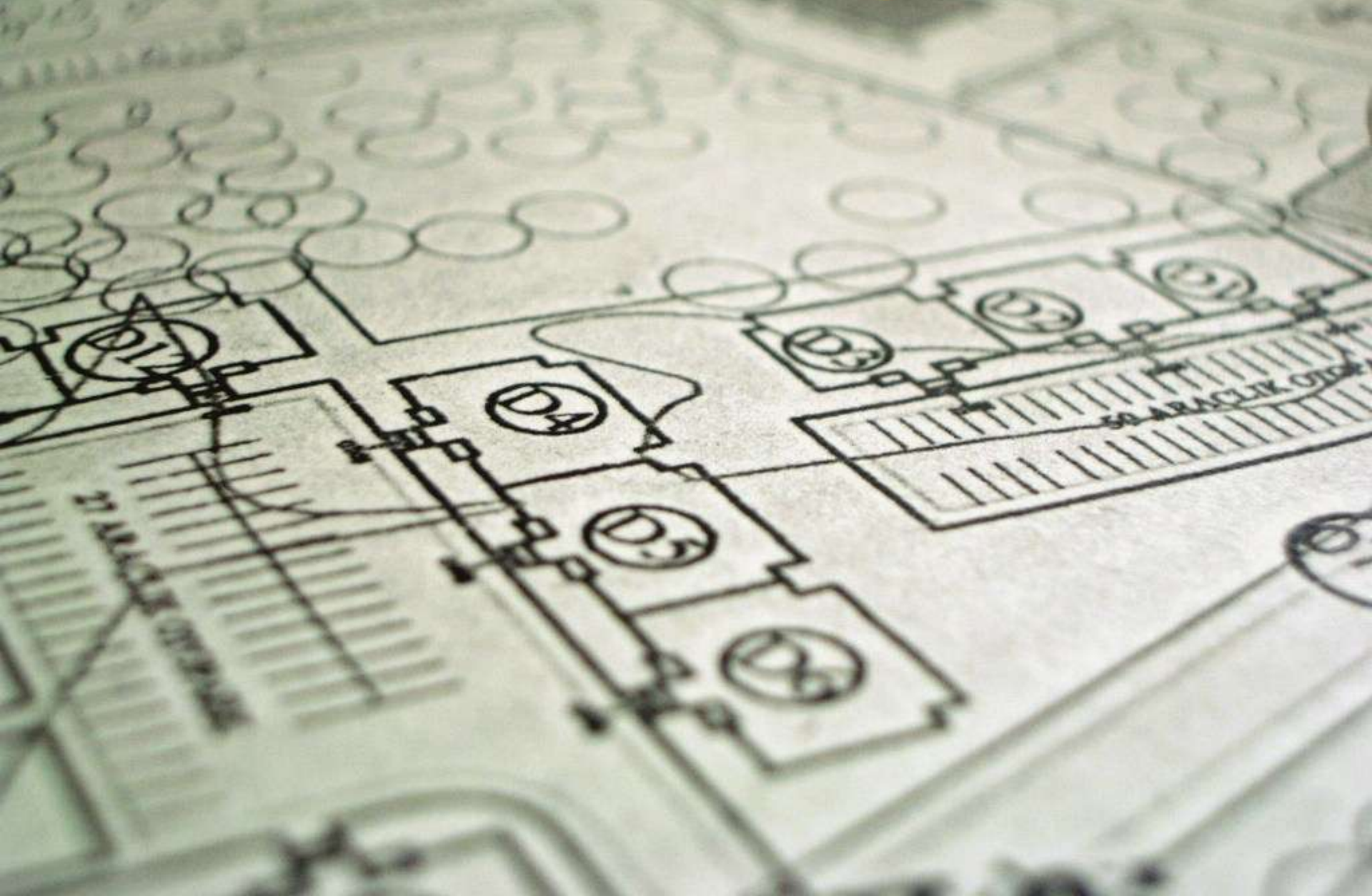
**Refactor Often**



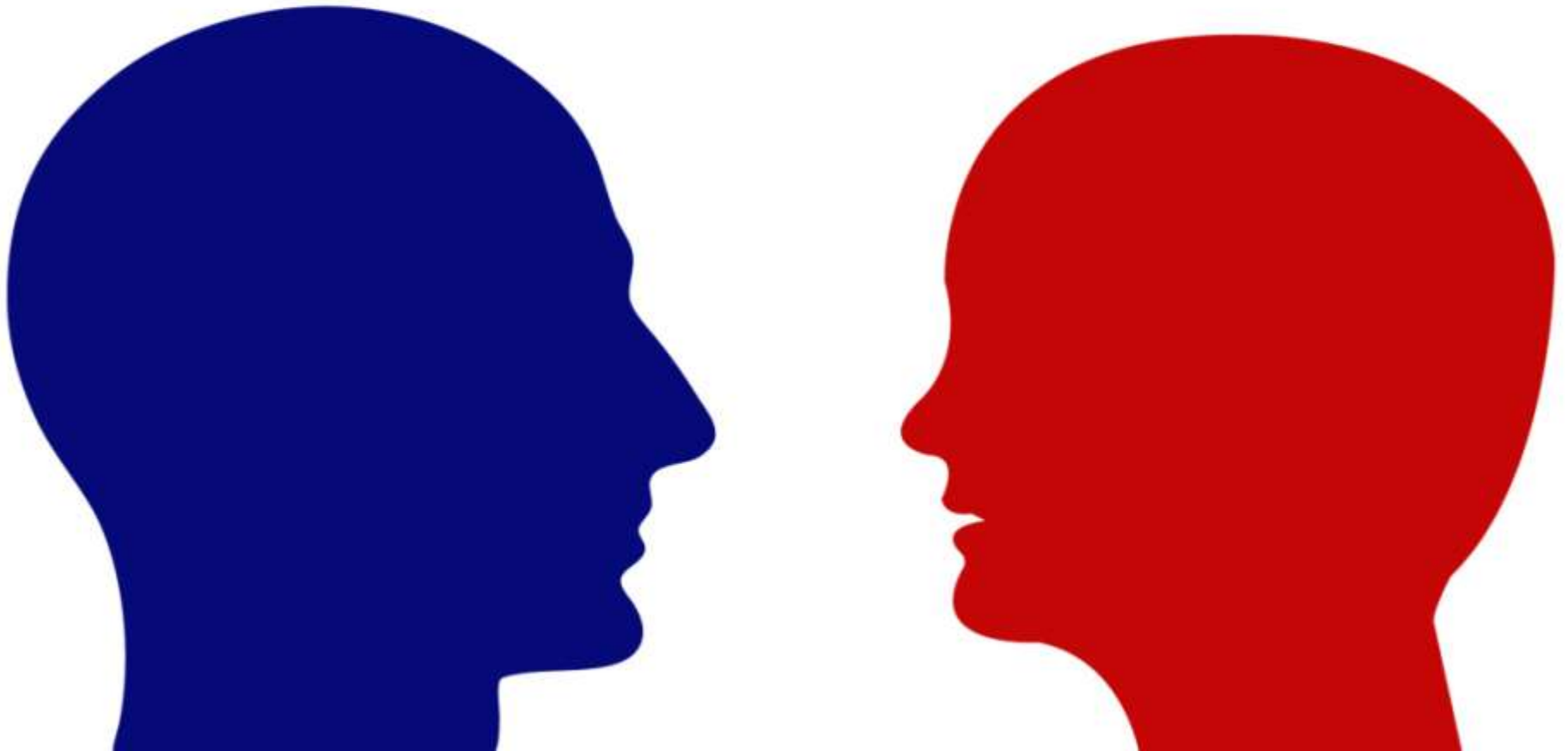


**There Are No  
Final Decisions**

# Remember The Big Picture



# Abstractions Live Longer Than Details





**Be A Catalyst For Change**



**Don't Be A Slave  
To Formal  
Methods**

