

COACHING YOUR TEAM TO TEST

ALI HILL

@ALI_HILL91

#CAST2019

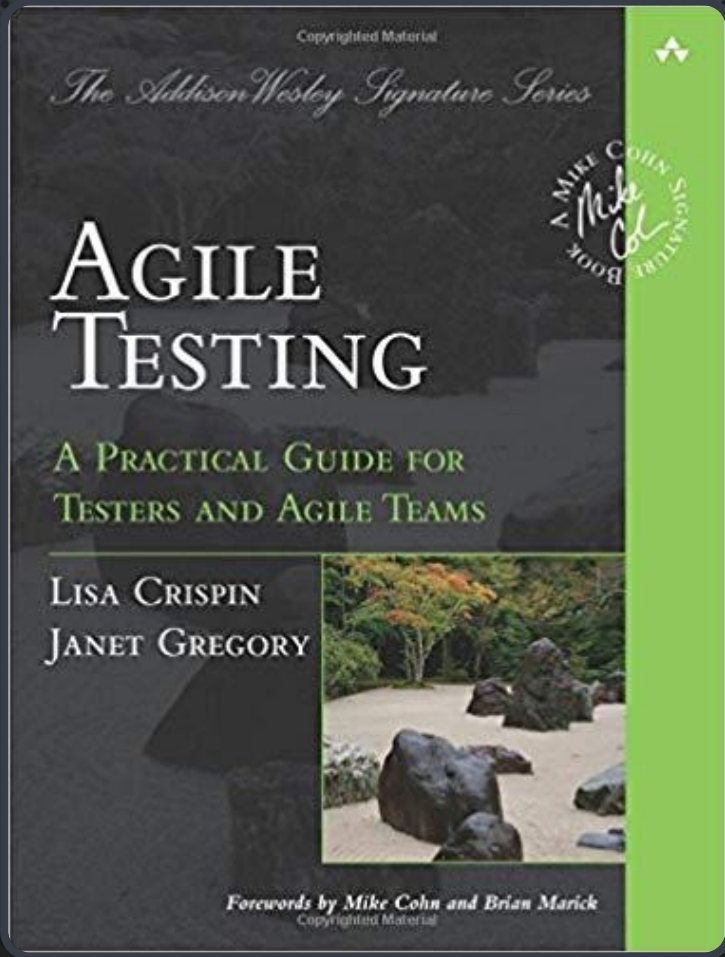


ABOUT ME

- DELIVERY CONSULTANT
- ECS DIGITAL
- EDINBURGH, SCOTLAND
- @ALI_HILL91

WHAT WILL I BE DISCUSSING?

- HOW WE DISCOVERED TESTING WAS A BOTTLENECK
- COUNTERMEASURES WE PUT IN PLACE TO REMOVE THIS BOTTLENECK
- THE BENEFITS WE SAW FROM THESE COUNTERMEASURES



SETTING THE SCENE

LEAN THINKING

VISUALISED OUR WORKFLOW USING A KANBAN
BOARD

OUR KANBAN BOARD – START OF SPRINT

To Do



IN PROGRESS

DONE

OUR KANBAN BOARD – MID-SPRINT

To Do

Test

IN PROGRESS

Test

Dev

Dev

Arch.

DONE

Test

Dev

Arch.

OUR KANBAN BOARD – END OF SPRINT

To Do

IN PROGRESS

DONE

Test

Test

Test

Dev

Dev

Dev

Arch.

Arch.

TEAM WOLFE
SPRINT 4
22/05 - 01/06

URGENT
ON HOLD
To Do

NEILL

8261
ADD ARCHITECTURE
INFO TO DASH

8511
LOOK IN
HUB PICKING

THEO

8527
ADD EVENT HUB
BAGWILE

83436
RE-TEST CLAIM
ISSUE WORKFLOW
BUS

INVESTIGATE
AUTO QA TEST
FAILURES
15 mins

DAVID

81271
SET UP
ON S

81544
SCRIPT REMOVAL OF
WAREHOUSE + SLS

80521
END TO END
TESTING + METRICS

8521
MAKE
TEST
API CLAIM BILLING

ALI

84144
AUTOMATED WORKFLOW
TEST WORK

83330
POPULATE DASHING
WITH DATA

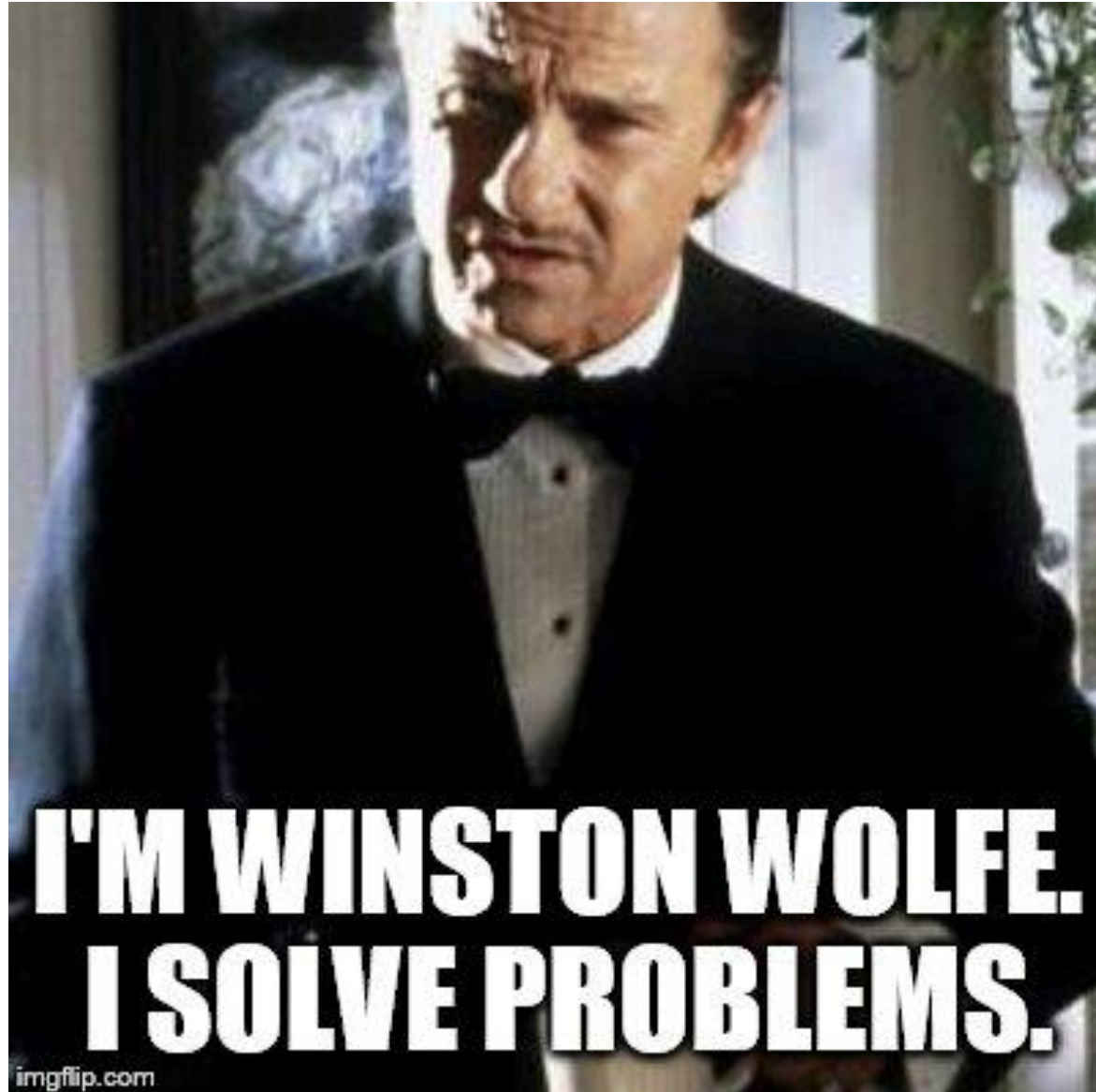
81330
EMAIL DRYRUN
THE SEEDING REMAIN
TODAY

80521
TEST CLAIM BILLING
LOGIC

SHOWING
UPLOADER
TO G. MACKAY
30 mins

WHAT WAS OUR PROBLEM?

TESTING WAS A BOTTLENECK



LEAN THINKING

UTILISED OUR 3Cs BOARD TO SOLVE PROBLEMS

I WAS GOING TO
COACH THE TEAM IN
HOW TO TEST



TESTING AN IDEA

- ASKED QUESTIONS TOGETHER
- HELPED PROMOTE CRITICAL THINKING



DURING THE PLANNING STAGE

- SHARED TEST IDEAS
- MOBBER PROBLEMS AT DESIGN SESSIONS
- GAINED A SHARED UNDERSTANDING



EARLY ITERATIONS

- TESTED TOGETHER
- REMOVED FRUSTRATIONS
- WORKED TOGETHER ON FEATURE CODE REVIEWS
- DISCUSSED MONITORING METRICS



AUTOMATED TESTING

- PAIRED PROGRAMMING
- AUTOMATED TEST CODE REVIEWS
- SHARED OWNERSHIP



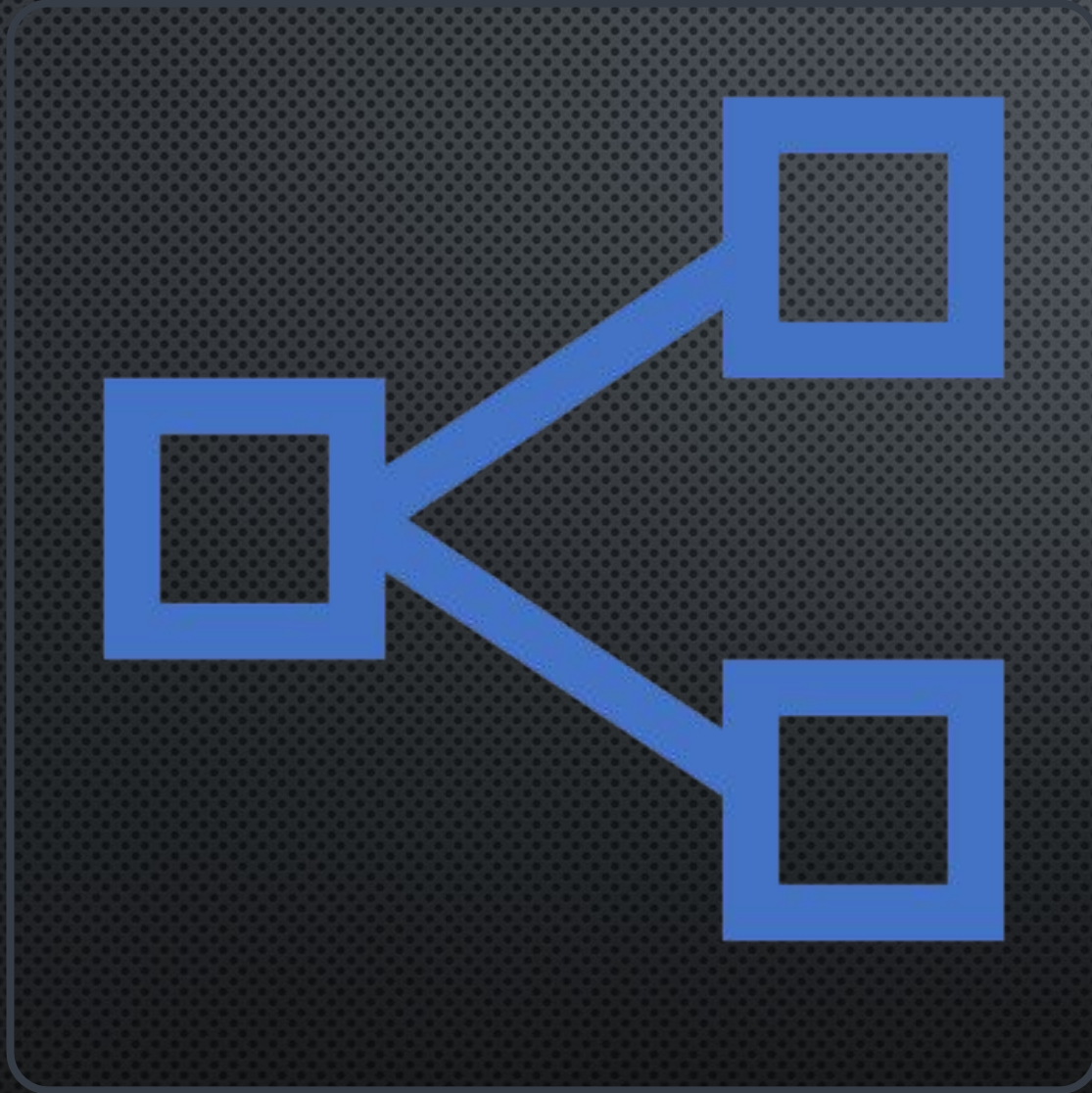
WHAT DIDN'T I DO?

- EXPLORATORY TESTING
- MOB TEST SESSIONS
- SCALE THE COACHING
- EXPLORING TESTING TOOLS TOGETHER

POTENTIAL
CHALLENGE

LACK OF INTEREST





WHAT DID I LEARN?

- MAKE SMALL CHANGES
- GOOD RELATIONSHIPS ARE KEY

BENEFITS

- IMPROVED COMMUNICATIONS
- SHORTER FEEDBACK LOOPS
- QA NO LONGER SEEN AS GATEKEEPER
- QUALITY IS EVERYONE'S RESPONSIBILITY

WHAT CAN YOU TAKEAWAY?

- COACHING YOUR TEAM TO TEST CAN REMOVE THE TESTING BOTTLENECK
- IDEAS FOR GETTING NON-TESTERS INVOLVED IN THE TESTING EFFORT
- BENEFITS OF GOOD COMMUNICATION AND COLLABORATION WITHIN THE TEAMS

“TESTING IS A CROSS
FUNCTIONAL ACTIVITY
THAT INVOLVES THE
WHOLE TEAM, AND
SHOULD BE DONE
CONTINUOUSLY FROM
THE BEGINNING OF
THE PROJECT.”

