Taking Control of Your Test Environment

Ioana Serban - @ioanasaaysgo
TAKING CONTROL OF YOUR TEST ENVIRONMENT
The nervous Storyteller

@ioanasaysgo
Ioana Serban
Software Engineer in Test
@ebay

Storyteller
@ioanasaysgo
The brave and mighty

Tester

@ioanasaysgo
The bold and reckless Developer

@ioanasaysgo
The powerful king

Product Owner

@ioanasaysgo
The feared and formidable

Ops
The distant and mysterious

Other Team Member

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Stats

Strength: 10
Agility: 10
Intelligence: 10
Charisma: 10

Tester

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Once upon a time ...
+20 STRENGTH

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UH - OH...

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AUTOMATION

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AUTOMATION

+25 AGILITY

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PROBLEM 1:

THE BUILD IS RED
QUEST PROBLEM 1:

FIND OUT WHY THE BUILD IS RED
You investigate and find out that ...
You investigate and find out that... the unit tests are failing.
BROKE THE BUILD
You convince your team to try it out and earn +10 charisma

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QUEST 2:
THE BUILD IS RED
AGAIN
FIND OUT WHY
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You investigate and find out that...
You investigate and find out that... the UI acceptance tests are failing.
QUEST 3:

INVESTIGATE

FLAKY CHECKS
SOURCES OF 'FLAKINESS'

* CHECK IS NOT ROBUST

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Sources of 'flakiness'

* Check is not robust

Solution: Make check robust

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Sources of 'Flakiness' 

* Check is not robust 
* There is a real issue
Sources of 'flakiness'

* Check is not robust
* There is a real issue

Solution: Mark as bug

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SOURCES OF 'FLAKINESS'

* CHECK IS NOT ROBUST
* THERE IS A REAL ISSUE
* SOURCE OF FLAKINESS IS BEYOND TEAM'S CONTROL (E.G. THIRD PARTY SERVICE)
SOURCES OF 'FLAKINESS'

* Check is not robust
* There is a real issue
* Source of flakiness is beyond team's control (e.g. third party service)

Solution: ???
QUEST 4

A THIRD PARTY SERVICE IS CAUSING FLAKY BEHAVIOUR

DEAL WITH IT

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This doesn't really solve our issue...
QUEST 5

GET IN TOUCH WITH THE DREADED THIRD-PARTY TEAM

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QUEST 6

YOUR DEPLOYMENT HAS FAILED.

INVESTIGATE!
You find out how deployments work and earn +10 intelligence +5 charisma
QUEST 7

ASK FOR THE KEYS

TO THE CASTLE
ACCESS TO THE CODE
DB CREDENTIALS
ACCESS TO MONITORING
DEPLOYMENT RIGHTS
Speaking at Cast +10 Charisma

Storyteller

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THANK YOU TO:

- Speak Easy
  http://speaking-easy.com
- Fiona Charles (@FionaCCharlee)
- Anne-Marie Charrett (@charrett)
- Carsten Feilberg (@Carsten_F)

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QUESTIONS?

@ioanasaysgo
iserban@ebay.com