Who is the Customer of Testing ?

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Who is the (main) customer of Testing and QA?

• Deming:

- Quality comes not from testing, but from improvement of the development process
- Testing does not improve quality, nor guarantee quality
- It's too late
- The quality, good or bad, is already in the product
- You cannot test quality into a product
- Who is the main customer of Testing and QA?
- What do we have to deliver to these customers? What are they *waiting for*?





Dijkstra (1972)

It is a usual technique to make a program and then to test it However:

Program testing can be a very effective way to show the presence of defects

but it is hopelessly inadequate for showing their absence

Conventional testing:

• Pursuing the very effective way to show the presence of defects

The challenge is, however:

- Making sure that there are no defects (development)
- How to show their absence if they're not there (testing ?)



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What techniques do testers have

to do their job properly ?

- What was their job ? (just checking)
- Is what Testers do right for doing their proper job?
 - Focus on what's necessary to reach the goal
 - Even if that's not what you've been told before
 - Don't believe anything I say

Let's move

Let's move from

Fixation to Fix

to

Attention to Prevention

- If we don't deal with the root, we (and 'they') will keep making the same mistakes over and over
- Toyota Production System: "Stop the Line"
- Without feedback, we won't even know
- Only with quick feedback we can put the repetition to a halt



- Developers organize their work in weekly TaskCycles
- Testers organize their work in weekly TaskCycles
- Testers know what they are supposed to test Because they know what the developers are doing and will deliver
- Testers conclude their work in sync with developers
- Testers check work in progress even before it is finished

The aim of Testing

- Being done as soon as the development is done
- Well, almost
- Excuses, excuses, excuses
 - The developers are always late (Developers should live up to their promises)
 - The developers don't take us seriously (Developers should ask testers for help)
 - The developers don't inject enough defects (Now testing becomes a real challenge)
 - We are the bearers of bad news (find out what you're really supposed to do)
- Helping development to be successful

