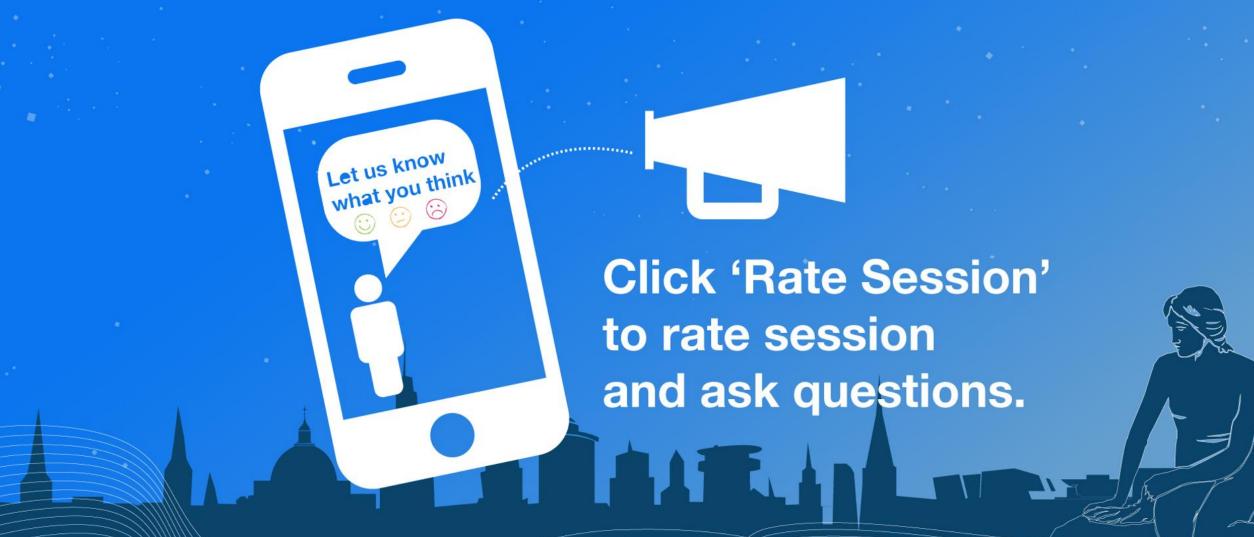


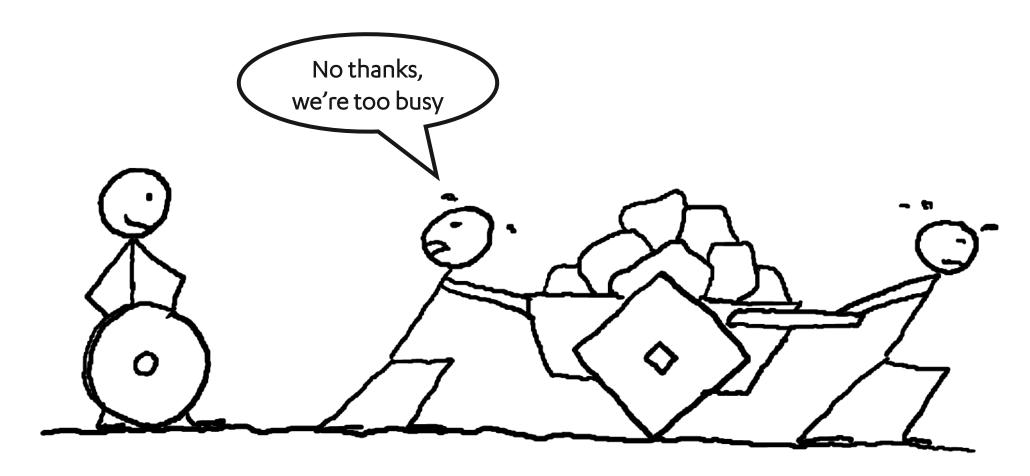


GOTO Copenhagen 2017

Conference Oct. 1-3, 2017



This presentation is about...





Presenter



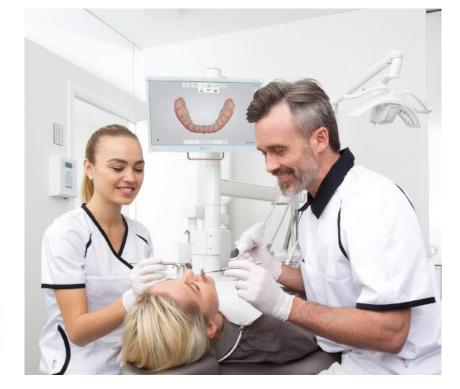
Steen Frost Tofthøj M.Sc. DTU 2001 Software Developer Scrum Master Project Manager



Ask Søren



3Shape products and customers









3D scanners

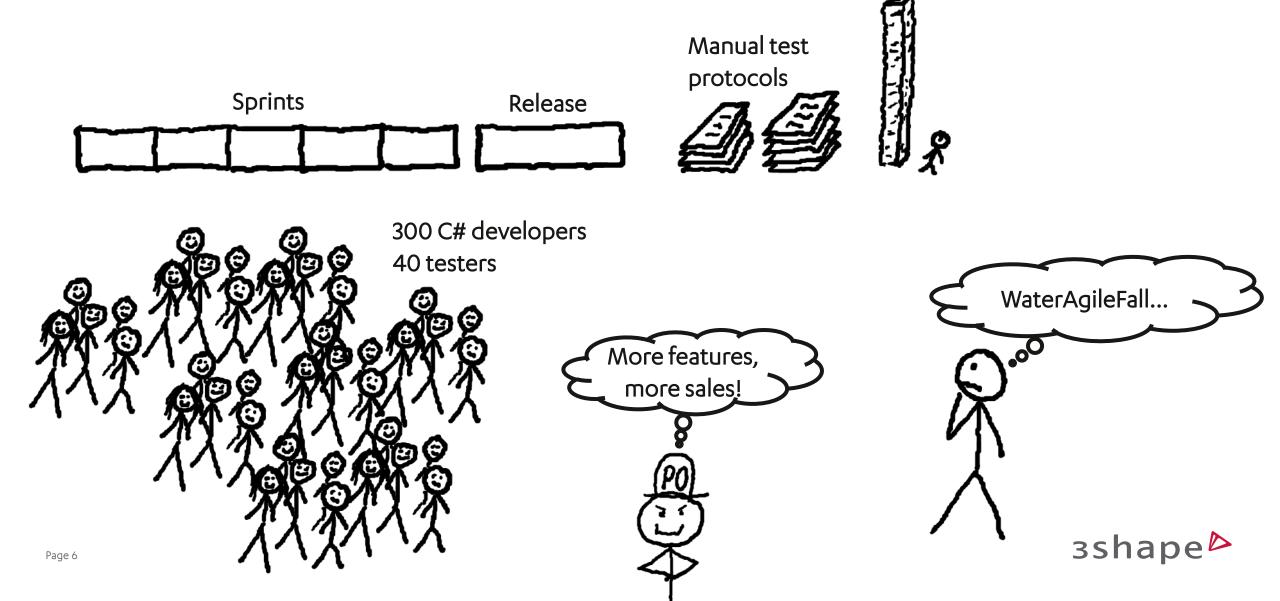


CAD/CAM software

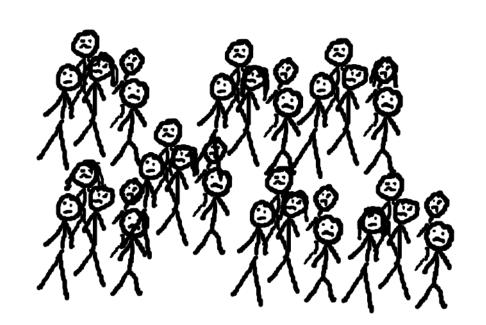
Up to 15 years old

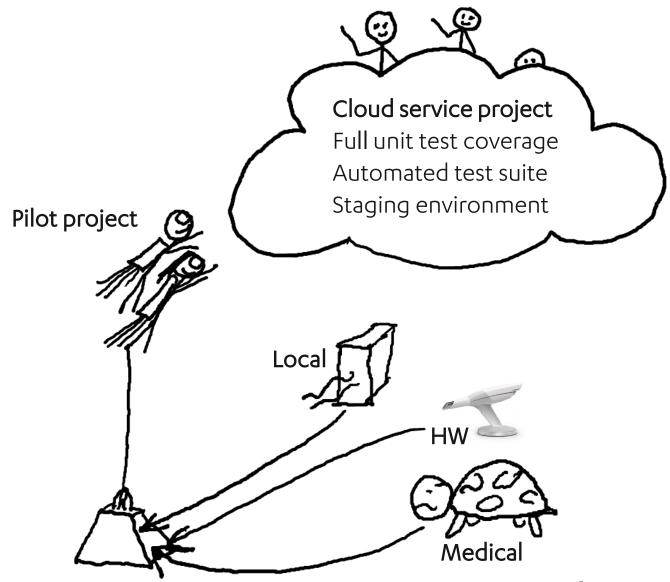


3Shape development

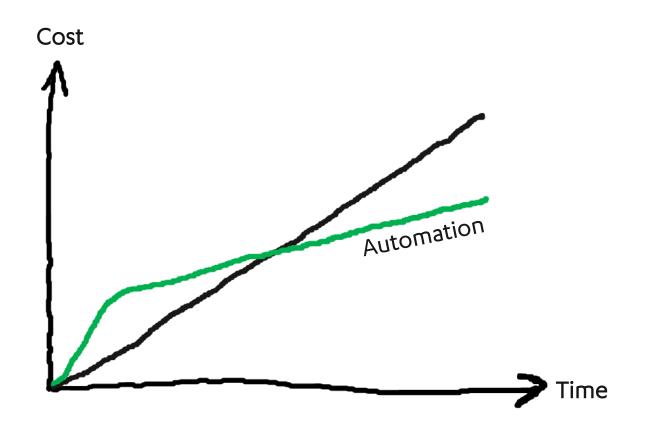


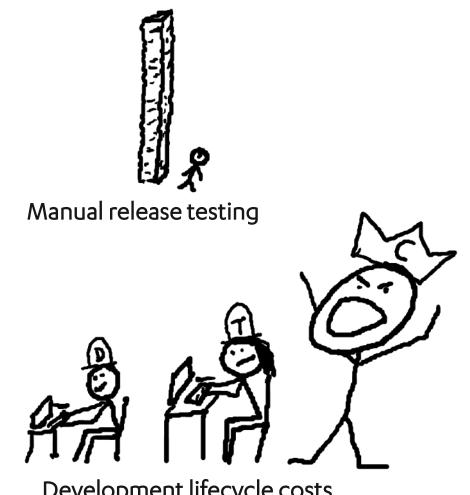
How to get started?





Strategy - Return On Investment

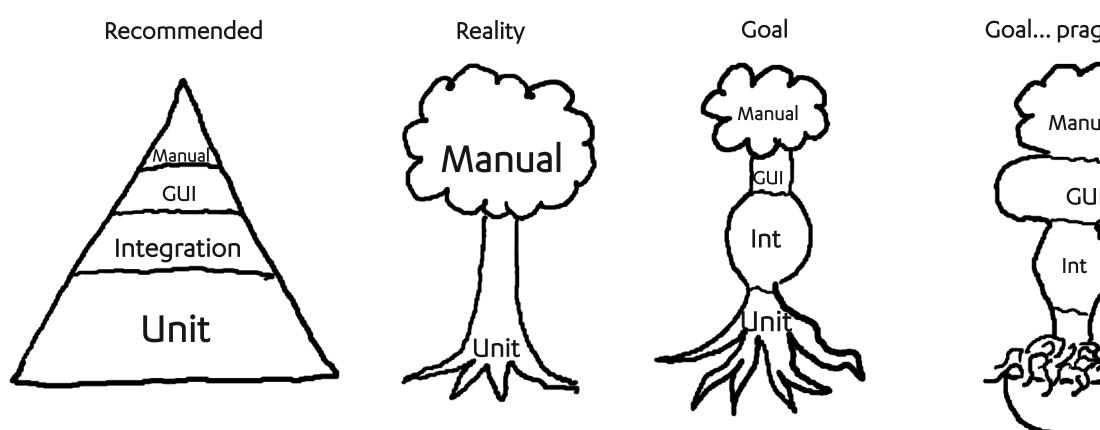




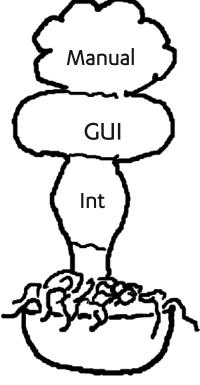
Development lifecycle costs



Strategy - What to test?





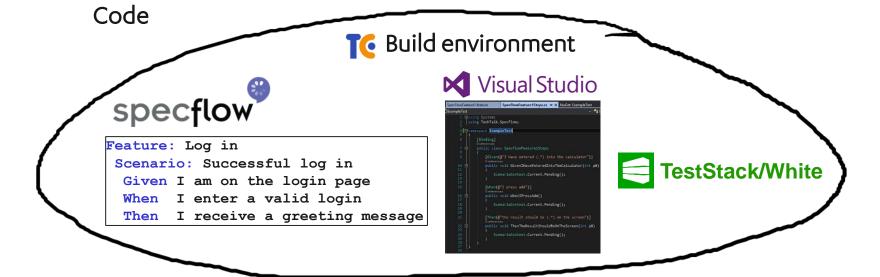


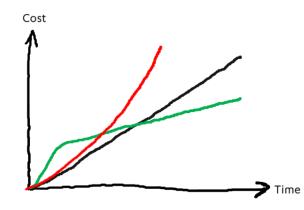


Strategy - Tools

Record and playback







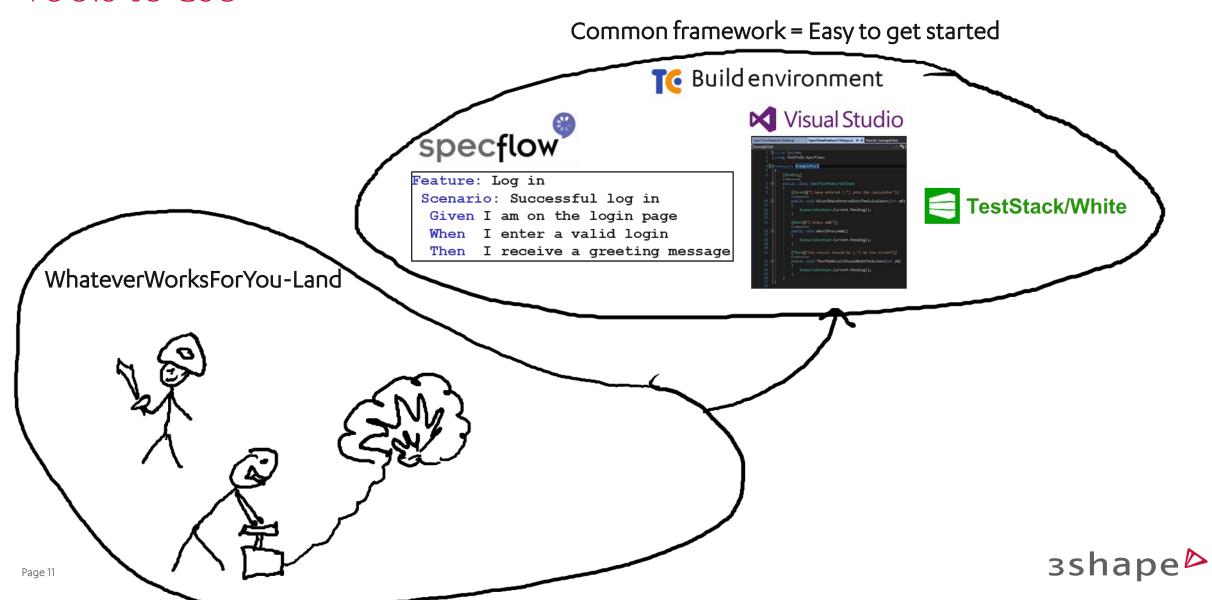
It's just like writing unit tests!

I made a nuget that saves screenshots





Tools to use

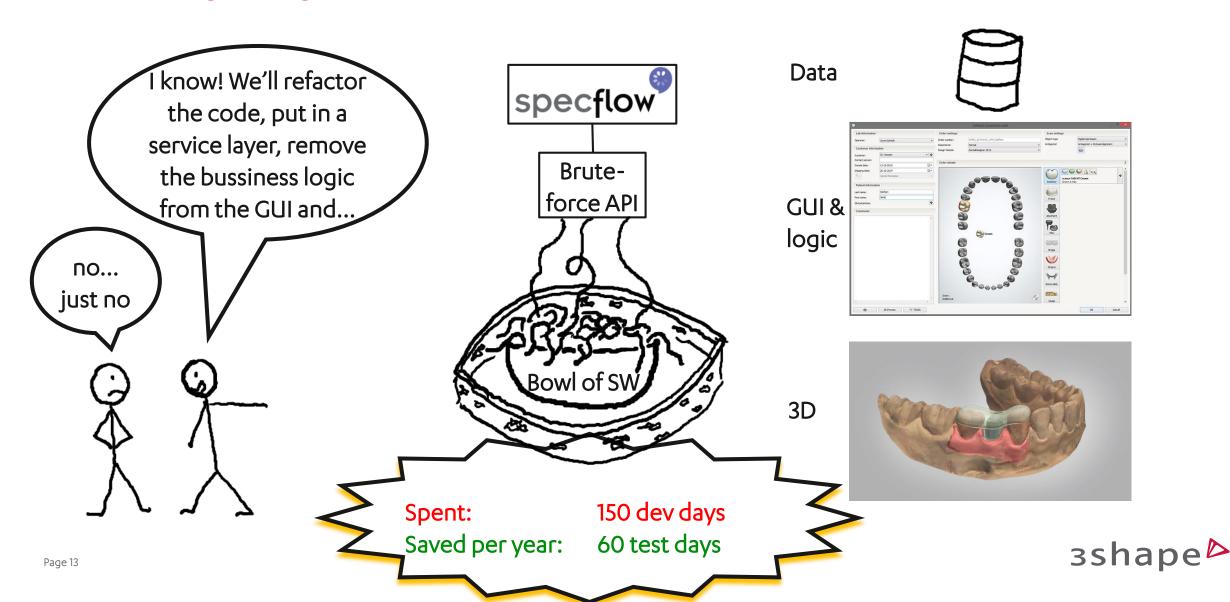


Case Studies

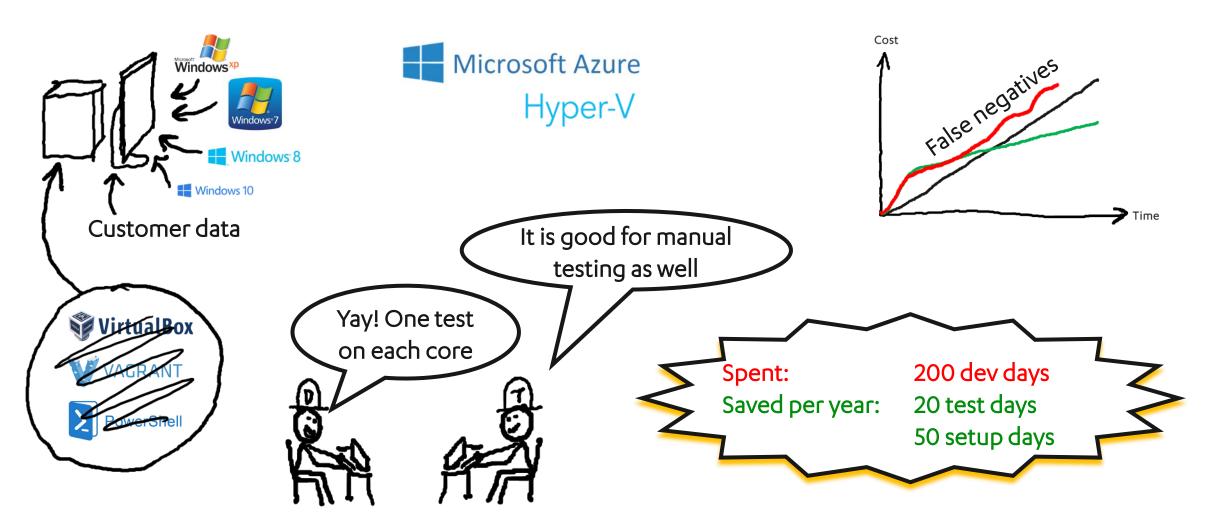
Accessing a legacy application
Virtual test environments
Testing hardware
Automated documentation



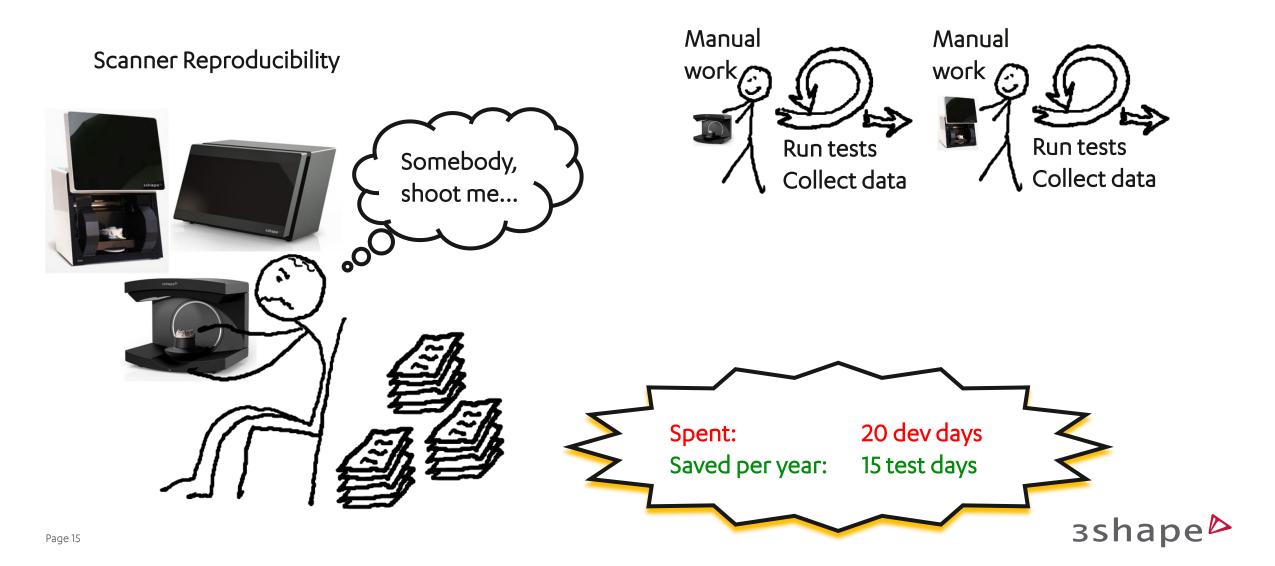
Accessing a legacy application



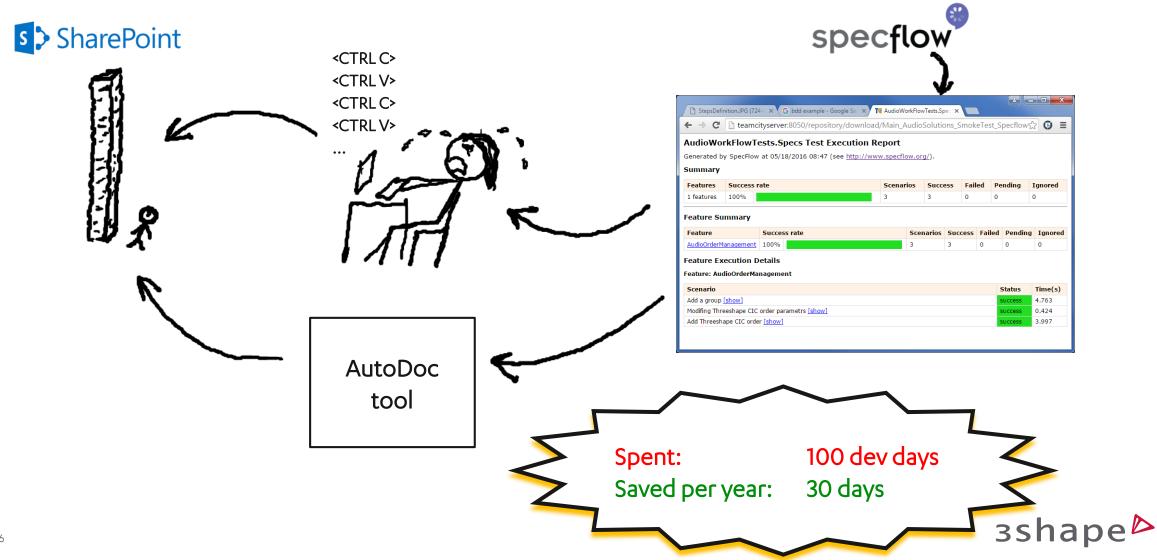
Virtual test environments



Testing hardware

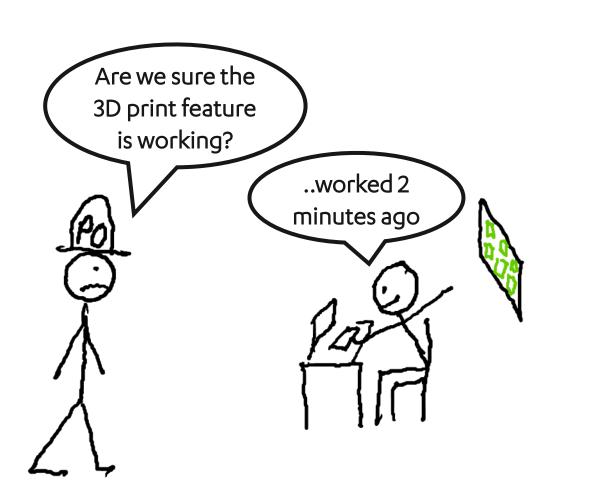


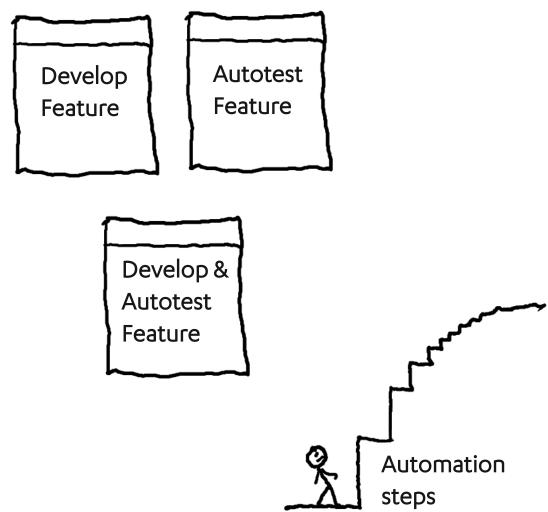
Automated documentation

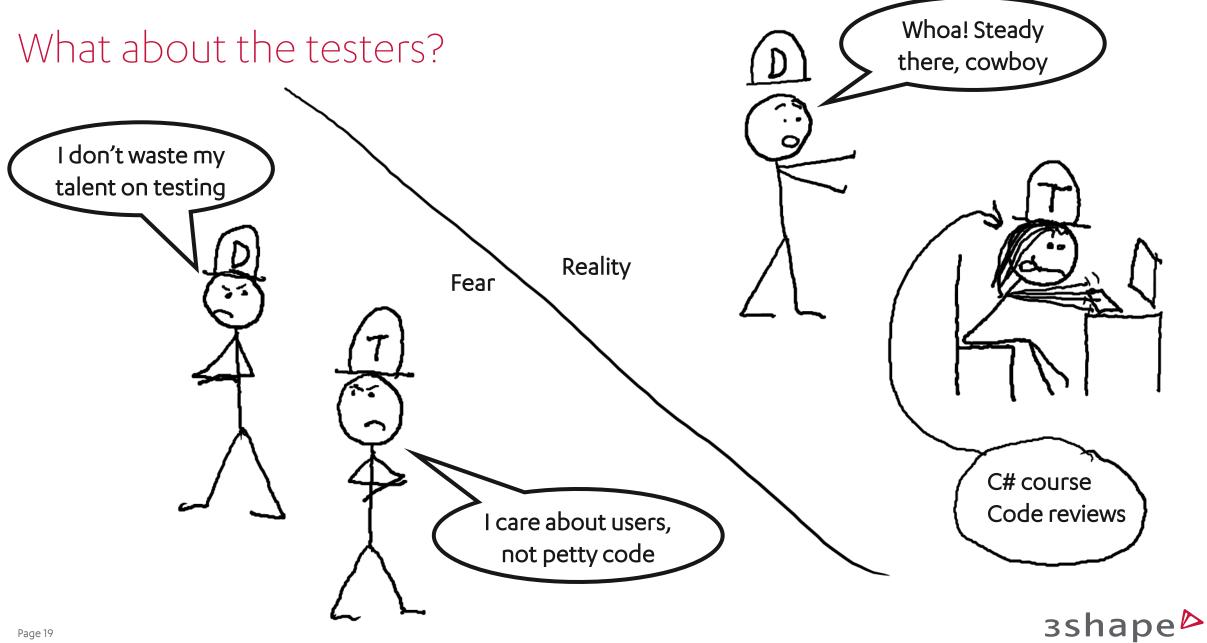




Prioritizing automation







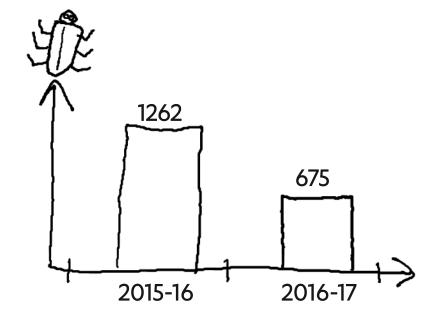
Quality

Parameterized tests

```
Feature: GroupCreation
              In order to use RegClient
              As a ShellManager user
              I want to be able to create and delete groups
Background:
              Given RegClient is running and main form is shown
@SS2.1
Scenario: Create new group
              When I click create a group and create a new group
              Then A group is created with correct name and comment
@SS12.1
Scenario: Delete group and confirm
              Given I create a group
              And I create the following orders
                              | OrderNumber | Side | ShellID | Category |
                                             Left | Shell1 | ITC
                                            | Right | Shell2 | ITC
                                            | Left | Shell3 | ITE
                                           | Right | Shell4 | ITE
              And I import a scan and change status
              When I press delete group and confirm deleting the group and files
              Then the group does not exist
              And the group files do not exist
```

Better (and continuous) coverage

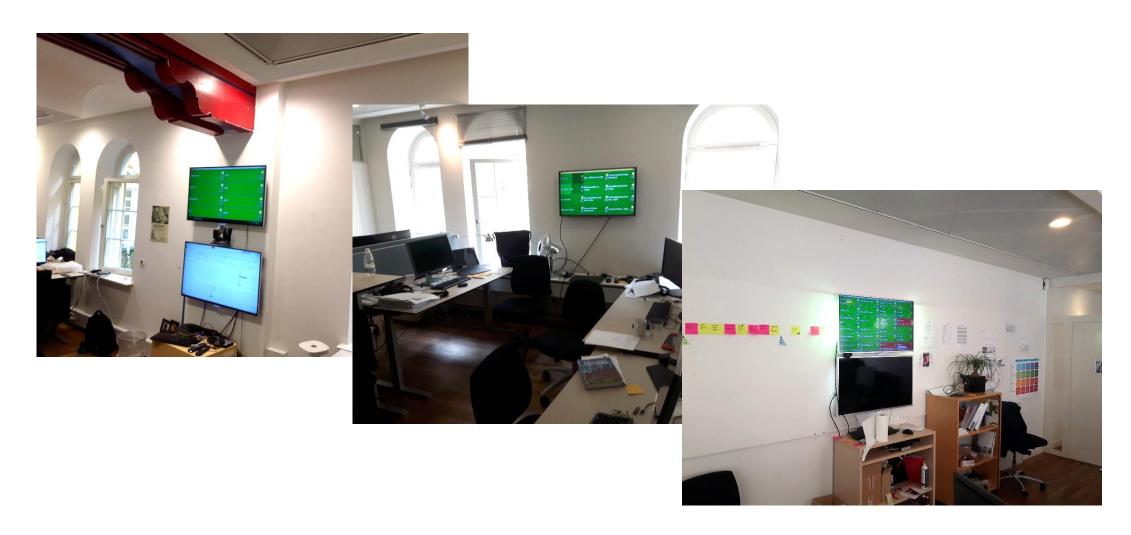
Bugs



Fewer bugs at the customer

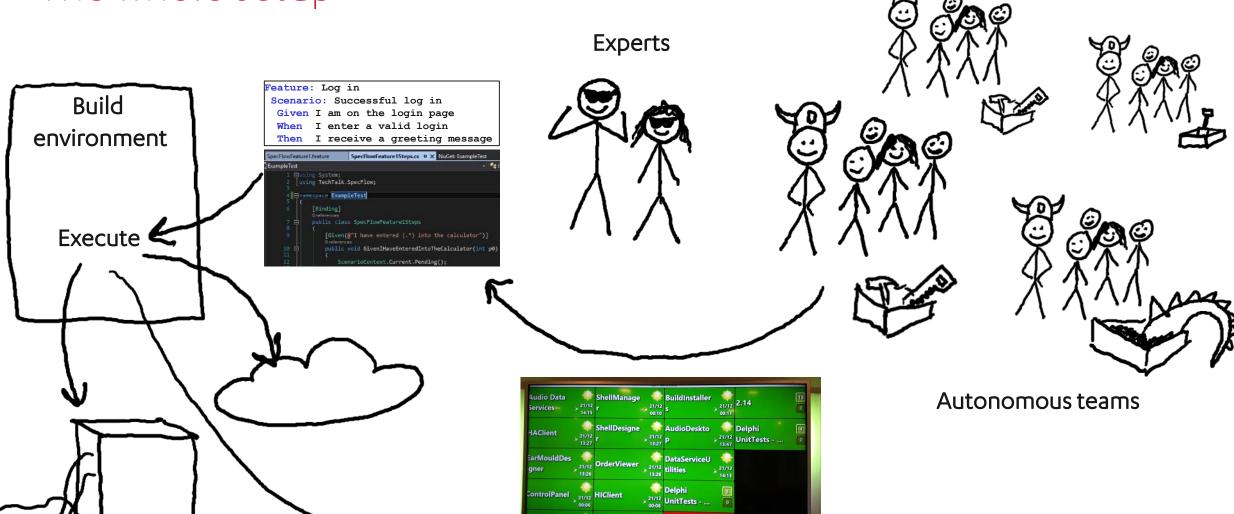


Mindset – continuous feedback



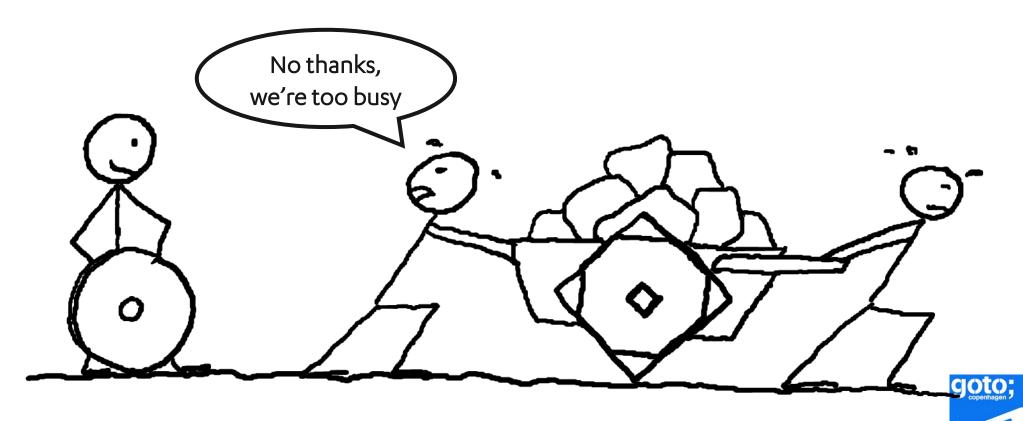


The whole setup





Steps in the right direction



Thank you for your attention!



Remember to

rate this session

Thank you!