How to make your automation last forever

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Forever?

The SUT  Lasts for years

The automation  As long as the SUT
Product & code sustainability

Safe

Low maintenance:

- Low maintenance sensitivity
- High maintainability
- Flexible design & architecture

Transferable
The test case: What, not how

- Open the browser
- Open “https://my.webshop.com”
- Type “mgijsen” in “username”
- Type “S3cr3t!” in “password”
- Click “Log in”

- Log in to the webshop
- Place an order
- Check for an order confirmation email

- Given I am logged in
- When I place an order
- Then I receive an order confirmation email
What, not how, in test data

Enter personal info “John Doe” at “123 Main street” in “Oxford” email “…” telephone “…”

Enter personal info for “an international customer”
Keyword implementation

Coding standard:
- Consistency
- Comments
- Maximum size of file, class, method, ...
- Naming

Code reviews
Avoid duplication (DRY / DIE)
Testing of Trustworthy Systems
Design measures for lasting automation
Architecture: Enterprise automation

- State
- Keyword parameters
- Keyword results

Runner

Clients

Services

Logic

Interface tool

System X

System Y

System Z
How long can it last?

- The SUT
- The test cases
- The logic
- The tools
- The framework
Apply the engineering techniques that are used for production software to your automation to enjoy it for much longer.
Is that it?

No ...
Any further questions?

Let’s chat!

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