

Automate like a pro

Dealing with test automation hassles

with real project examples

Mesut Durukal

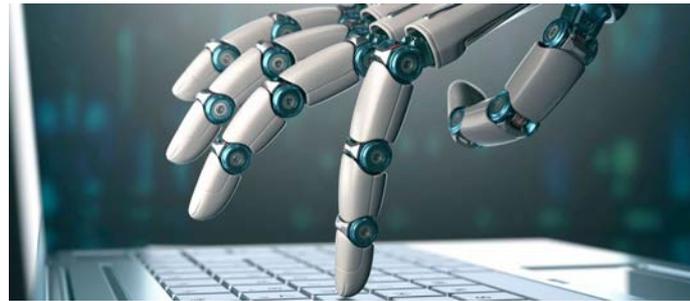


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Automation is great..

- Saves time
- Improves coverage
- Eliminate human effort
- Performs tasks that cannot be done by manual testers



BUT..



Workflows

Frequent Updates / Changes



How the customer explained it



How the project leader understood it



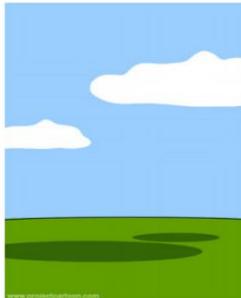
How the analyst designed it



How the programmer wrote it



How the business consultant described it



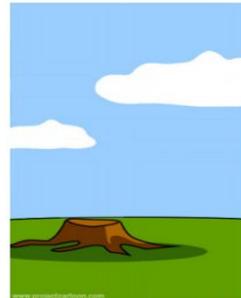
How the project was documented



What operations installed



How the customer was billed



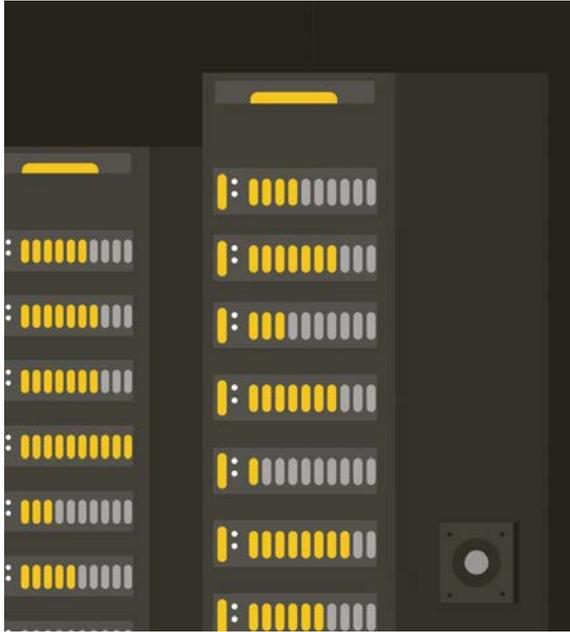
How it was supported



What the customer really needed

Testing Environment

Instabilities



Product Testability



Product Hardware



Product Testing AI

SimplyHired.

[Search Jobs](#)

Relevance

Quality Assurance

ACF Technologies Inc - Asheville, NC

Quality Assurance assesses software quality through manual and automated testing and is responsible for finding and reporting bugs and glitches.

Estimated: \$69,000 - \$88,000 a year [Quick Apply](#)

Quality Assurance Engineer

Astronautics/Kearfott Corporation - Black Mountain, NC

This position is responsible for performing various professional level duties ranging from simple to difficult complexity within varied quality activities with...

Estimated: \$56,000 - \$75,000 a year [Quick Apply](#)

Quality Assurance

ACF Technologies Inc - 2.7★

Asheville, NC

[Sign in for commute time](#)

Job Details

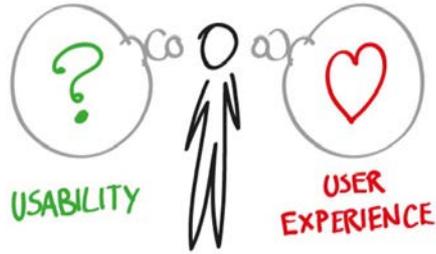
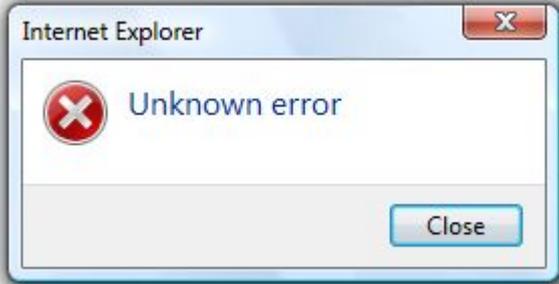
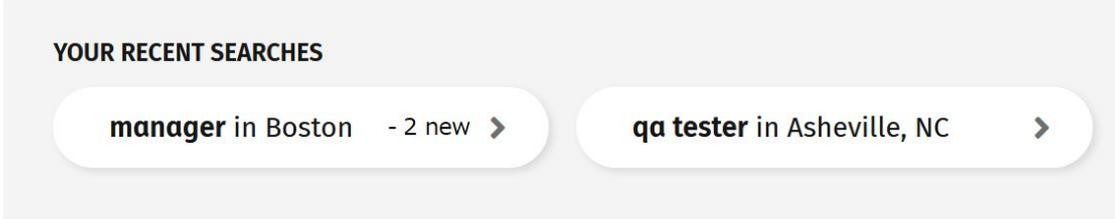
Full-time

Qualifications

SDLC

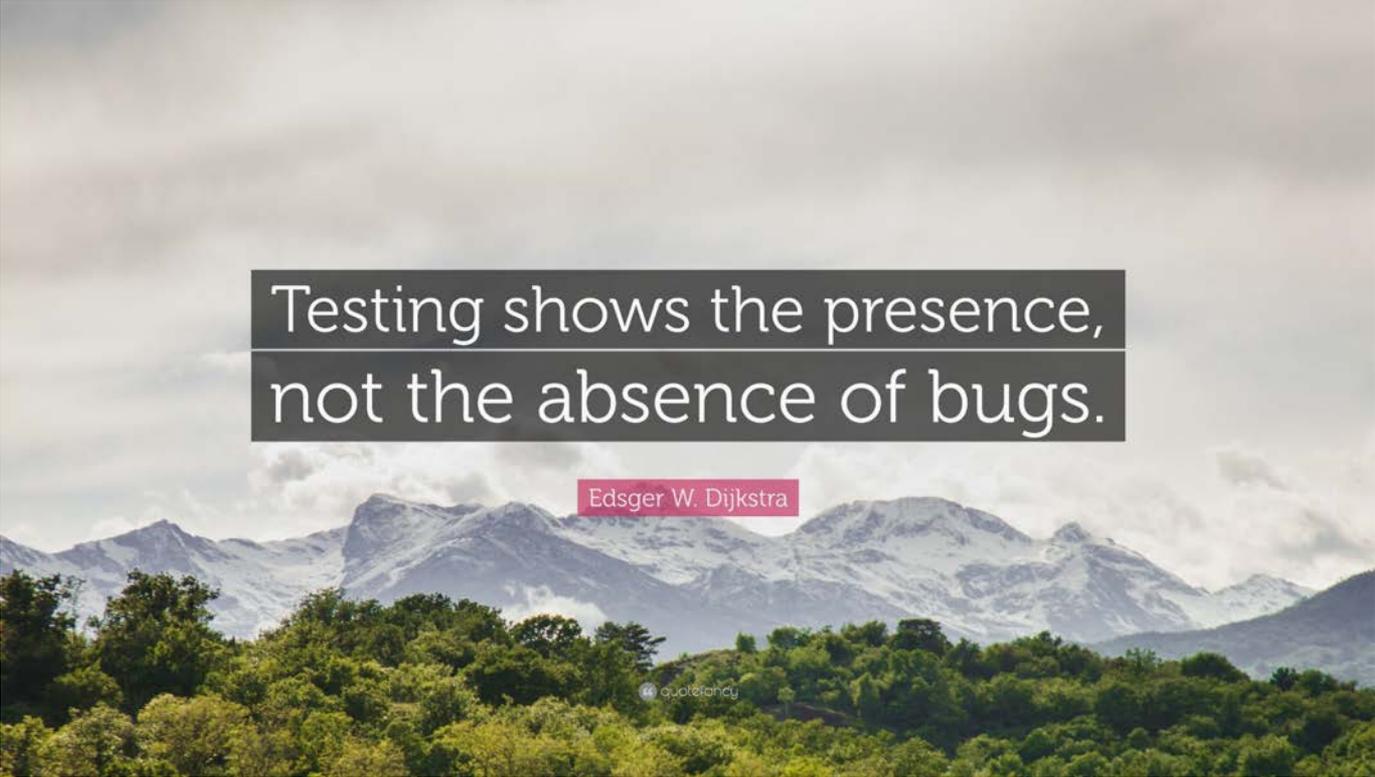
Non-functional aspects

Usability



Non-functional aspects

Recoverability

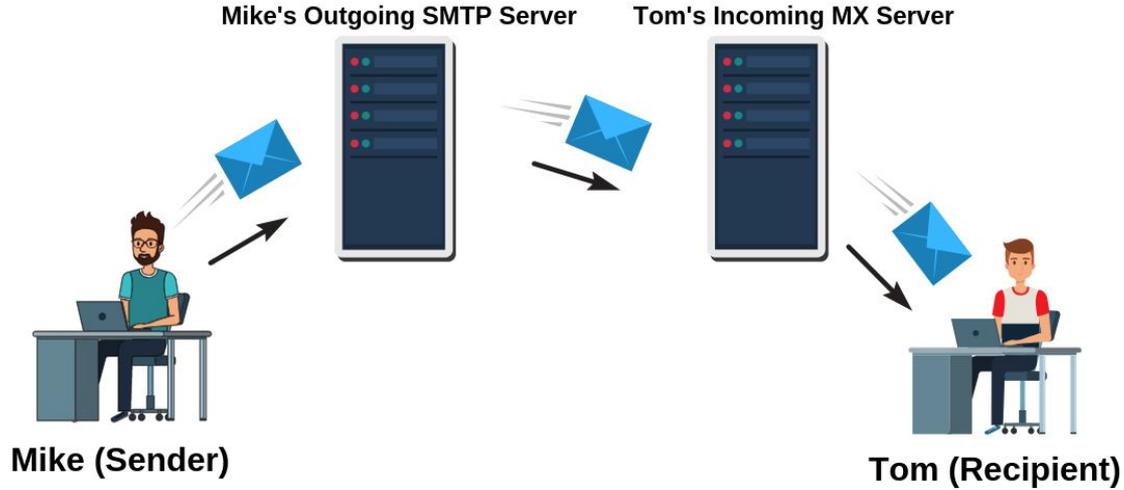


Testing shows the presence,
not the absence of bugs.

Edsger W. Dijkstra

Implementation

Not always easy to build / set up



Implementation

Not always easy to figure out



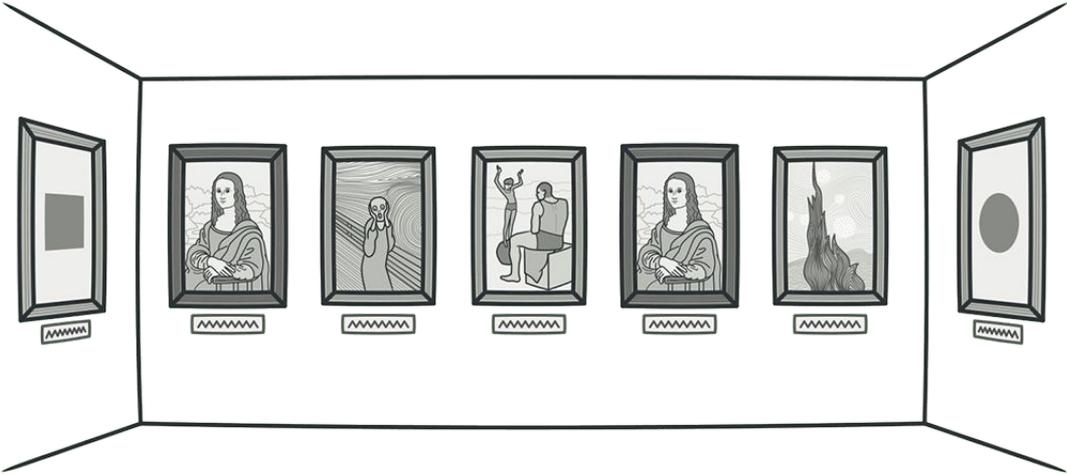
Execution

Long Running Tests



Maintenance

Code Quality



Maintenance

Reproduction of Bugs



Summary

- | | |
|---|---|
| <ul style="list-style-type: none">• Frequent updates• Instabilities | <ul style="list-style-type: none">• Early QA involvement• Test Robustness |
| <ul style="list-style-type: none">• Testability• Hardware dependency• AI | <ul style="list-style-type: none">• Dev team collaboration• Simulation• Experiments |
| <ul style="list-style-type: none">• Usability - Recoverability | <ul style="list-style-type: none">• User Surveys, Chaos Tests |
| <ul style="list-style-type: none">• Setup - Implementation• Execution Durations• Code Quality• Reproducibility | <ul style="list-style-type: none">• Coding Practices• Parallel Runs• Static / Dynamic Code Analysis• Evidence Collection |



