USING AI FOR CONTINUOUS TESTING

How AI Fits Into Your SDLC

Why CI/CD?

208
TIMES MORE
frequent code deployments

106
TIMES FASTER
lead time from commit to deploy

2,604
TIMES FASTER
time to recover from incidents

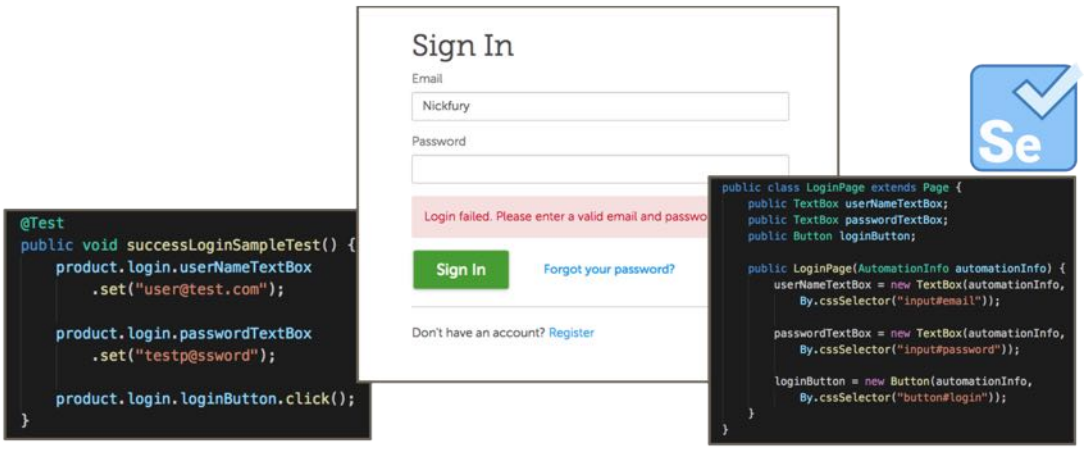
7
TIMES LOWER
change failure rate
(changes are ⅐ as likely to fail)

Continuous Testing Challenges

- Not feasible to execute entire test suite
- Testing in production
- Need to build automation fast
- Need reliable, smarter automation
- Need more testing across the board

Traditional Automation

- Expensive
- Lacks generality
- High maintenance
- Semi-automated
- Build model, generate tests. Generality?
- Model Maintenance



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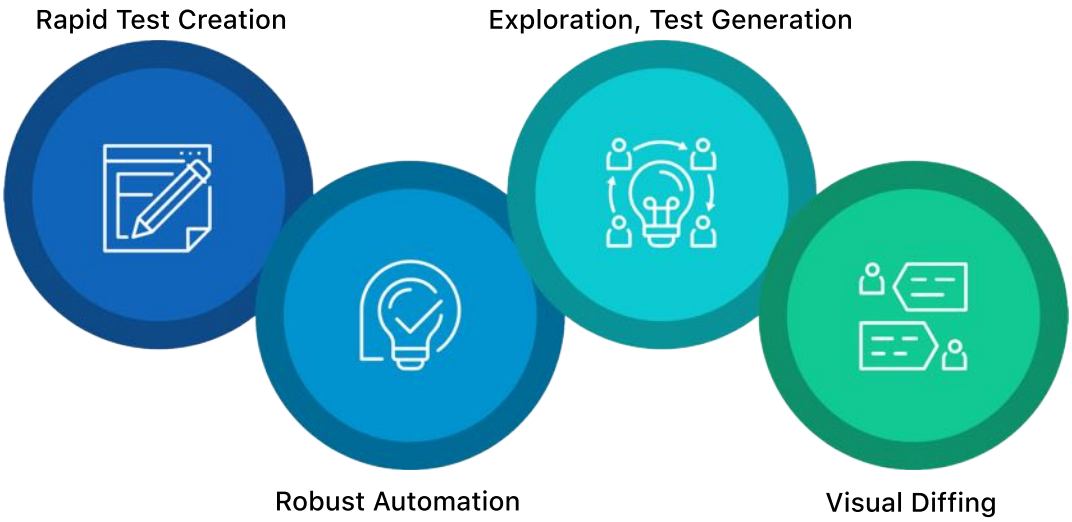
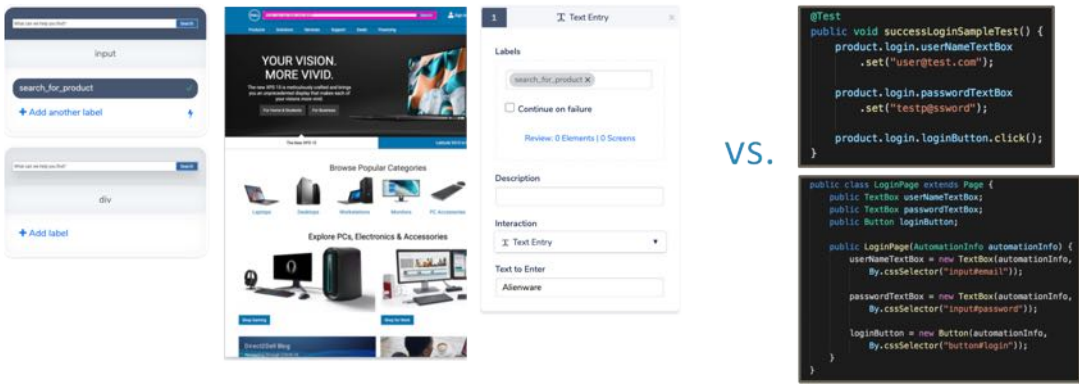
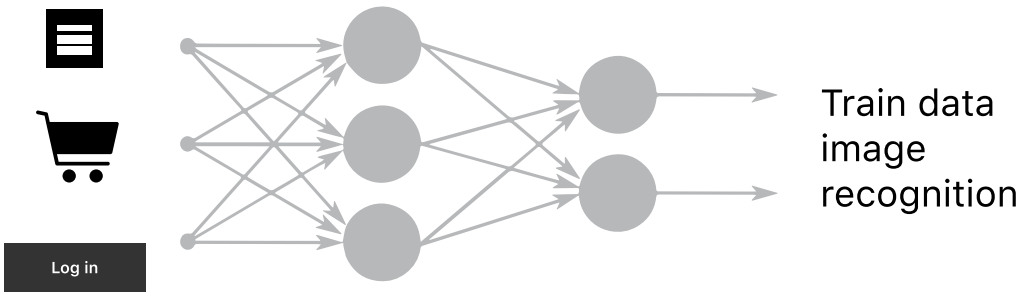
Benefits of AI-Powered Automation



1. Rapid Test Creation: Drag and Drop



2. Robust Test Automation: Self Healing AI Replaces Selectors



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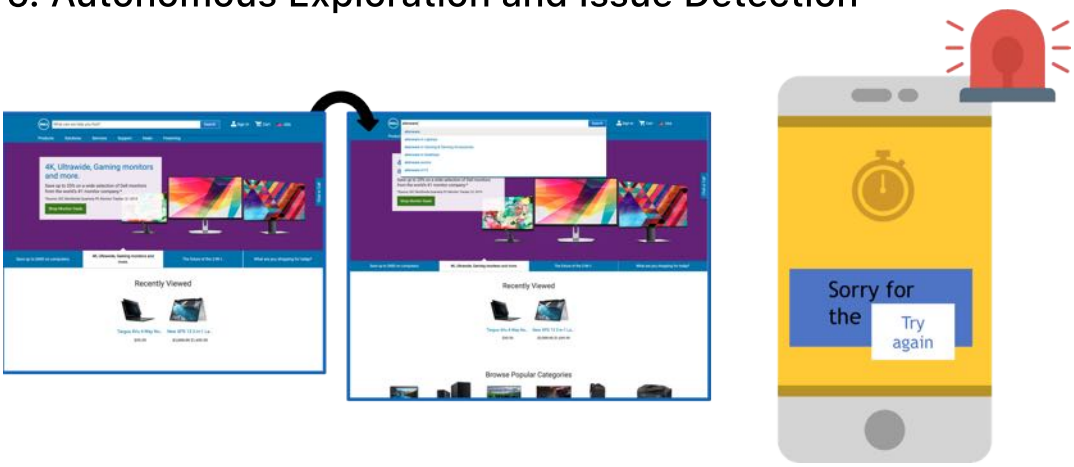
Benefits of AI-Powered Automation

3. Self-healing test scripts that are resilient to styling changes to SUT

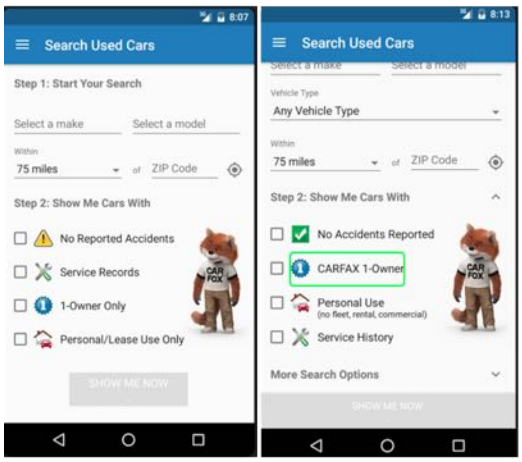
4. Test scripts are reusable across apps

5. Autonomous Exploration and Issue Detection



6. AI: Visual Diffing

- Continuous testing in production
- Automatic comparisons
- Difference reports
- Approve/Deny
- Reinforce AI



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