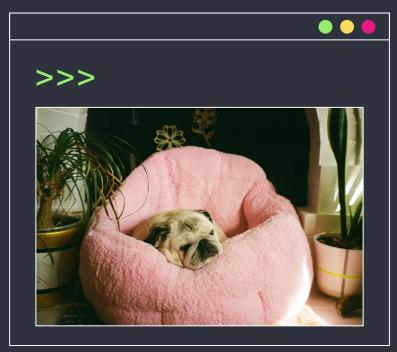


</Hi, my name is Liz! [she/her/hers]</pre>

- Film student → Marketer → Engineer →
 Developer advocate
- I love pizza, plants, pugs, and Python
- I'm currently open to new job opportunities!

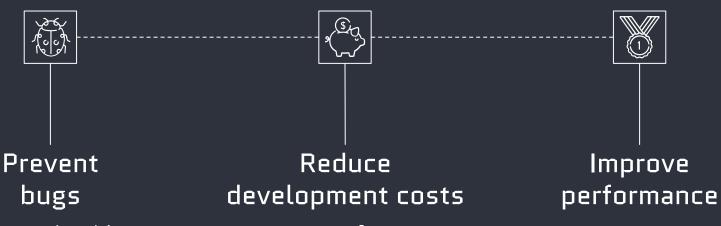


</What is testing?



Software testing is the process of **evaluating** and **verifying** that a software product or application **does what it is supposed to do.**¹

</The benefits of testing



Discover breaking changes before the user does

Devote fewer resources to incident response

Uncover bottlenecks and scaling issues

</The benefits of testing



Write **better** code!

- Detect code smells
- Indicate when it may be time to refactor or reconsider system design

</Different kinds of testing

GOOD

ACCEPTANCE

INTEGRATION

NEUTRAL

EVIL

TESTING

Does the whole system work as intended?



UNIT TESTING

Do the smallest components of the system work correctly independently?



REGRESSION TESTING



Do new features break or degrade functionality?

TESTING



Do the different software components or functions operate together?

USABILITY TESTING

How well can a customer use a system or web application to complete a task?



FUNCTIONAL TESTING

Does the system meet the requirements of the intended business scenarios?



NEUTRAL

LAWFUL

STRESS TESTING



How much strain can the system endure before it fails?

PERFORMANCE TESTING

How does the system perform under different workloads?

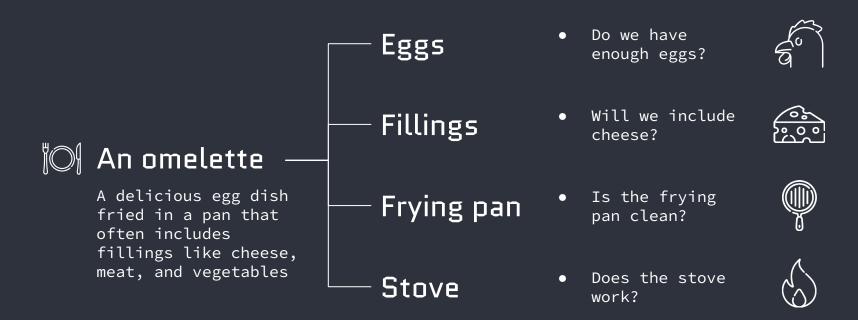


CHAOS TESTING

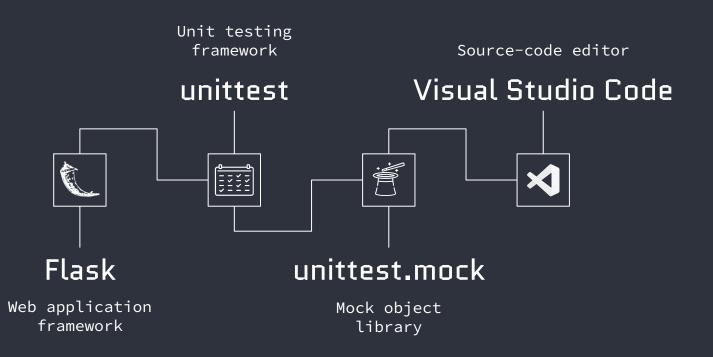
Can the system withstand unpredictable, turbulent conditions?

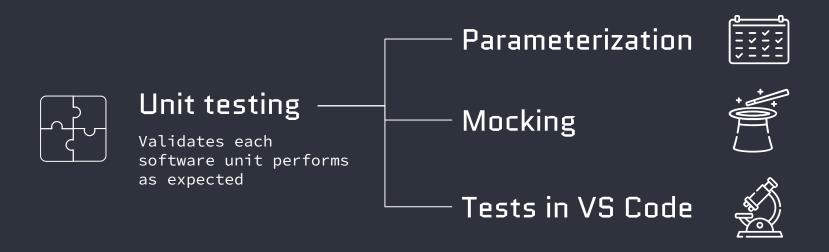


</Unit testing: An omelette analogy¹



</Writing & running unit tests





Thank you!

