

Situation: Jody, a junior developer at enterprise software company PAS, has been asked to compose a document for program managers showcasing a new automated testing framework solution. The solution will minimize errors and improve user experience in PAS's internal business software.

Audience: The intended readers of the document are program managers, who are responsible for the success of a project from beginning to end. The program manager will need to come up with a list of testing requirements, meet with management to determine key performance indicators in order to measure the success of the testing framework, and align with development on these performance metrics.

The goal of the document is to give the program manager a general overview of the new framework.

Parenthetical definition: The framework (structure defining how different components of a software application interact)

Sentence definition: A framework is a scalable structure defining how different components of a software application interact.

Expanded definition:

What is a framework?

A framework defines how the various components of a software solution interact. Frameworks are extendable and scalable, and are usually designed to work across multiple systems.

How / when is it used?

Frameworks are used when a piece of software needs to be adaptable to different systems. They are easily modifiable, shortening the time needed to tailor the software to each system.

Figure 1-1 shows an example of a testing framework. Variables (e.g. elements of a web application) and components (parts of an application to test) can be easily changed with limited modification to the code by using the framework. This makes it simple to apply the testing solution to different applications, or business software systems. In contrast, a testing solution tailored for each system (without a framework) would require a complete overhaul of the code each time.

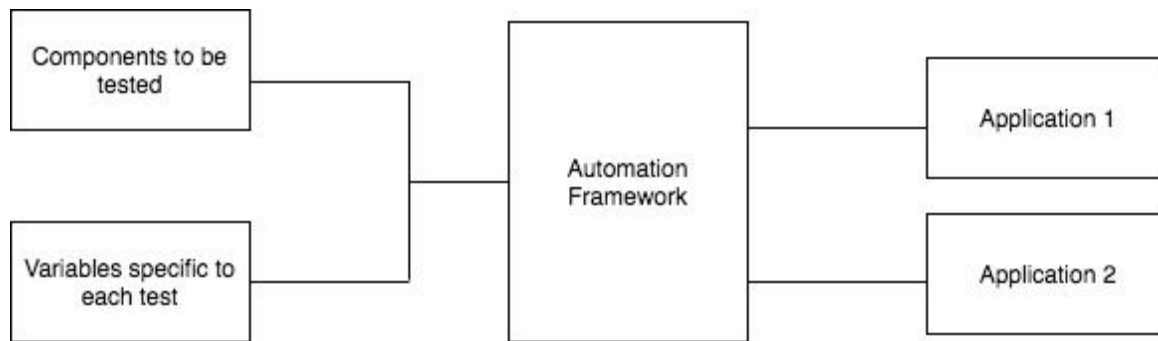


Figure 1-1

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