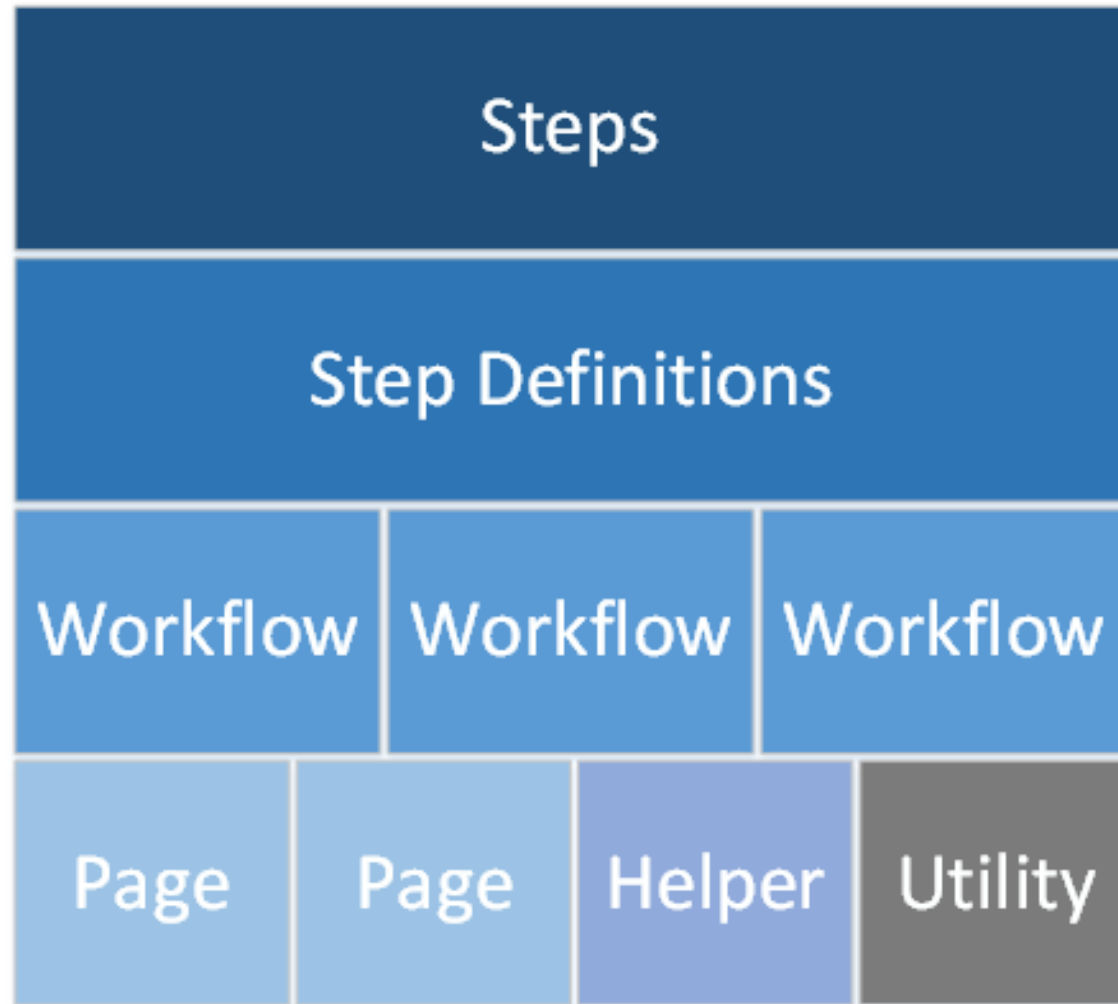# Step-by-Step

Guide to writing Cucumber scenarios using an outside-in approach

Architecture of a Scenario

Write out the scenarios

• Get an idea of the full scope

Write out the steps

• Get the step structure correct, make sure you know what the step needs to do. Make sure you start with the Thens and move to the Givens

Stub out the workflows

• Make these "work" by pretending to do things, like go to the pages. This helps make sure the structure of the test is valid. It also allows you to work a test from top to bottom in the event the screens don't yet exist.

Implement the stuff you stubbed out

• Make the "working" test actually do what it needs. Sometimes this means working with an existing page, other times it means working with developers to drive the creation of a page.

Tips

- Create/utilize the page class last.
  - Doing this too soon will get you bogged down in tinkering with HTML rather than building a test.
- Use workflows to make steps read like manual tests.
- Don't optimize your code until your code works.
- Build from the bottom up/outside in to ensure you're defining needs rather than anticipating them.