

#### **Andrew Knight**

@AutomationPanda **Applitools Developer Advocate Test Automation U Director** 





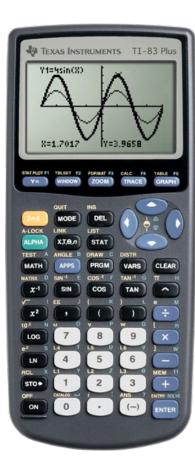
### Open Testing:

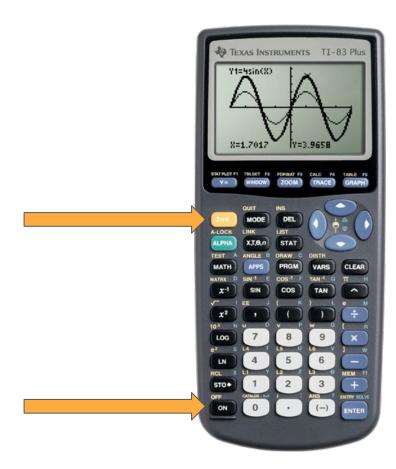
What if we open our tests like we open our source?



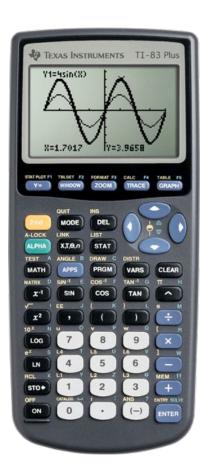
#### PARKVILLE HIGH SCHOOL KNIGHTS PARKVILLE, MD - BALTIMORE COUNTY



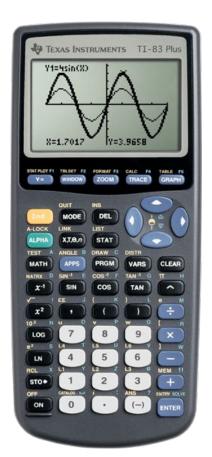


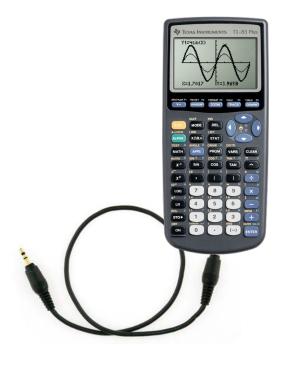


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PROGRAM: EXAMPLE
:Menu("ARE YOU S
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O",2
:Lbl 1
:Lbl 2
```

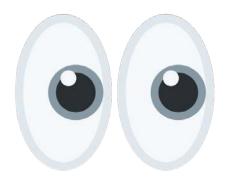


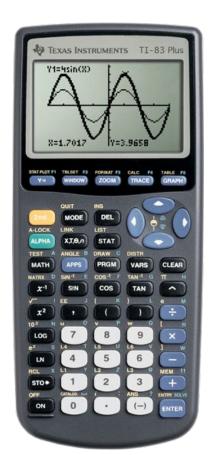
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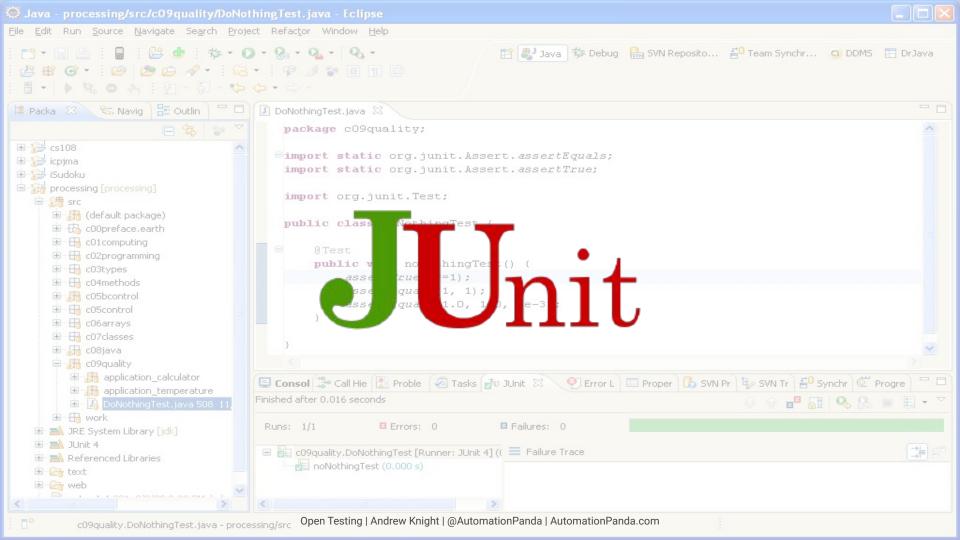
#### Open Source Lesson #1:

Open source helps me learn.







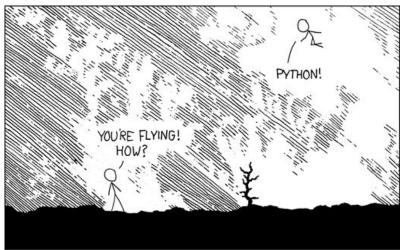


### Open Source Lesson #2:

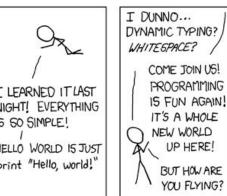
Open source helps me become a better developer.

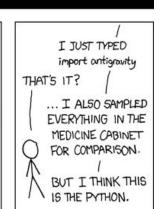
#### Open Source Lesson #2:

Open source helps me become a better developer.



















### specflow





















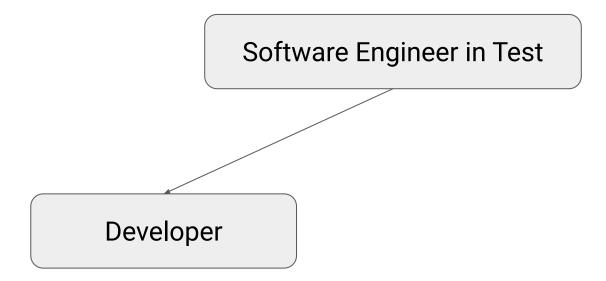


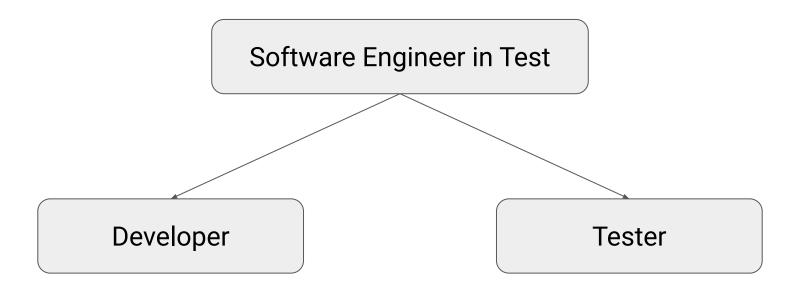
https://github.com/q2ebanking/boa-constrictor

#### Open Source Lesson #3:

Open source helps me become a better maintainer.

#### Software Engineer in Test

















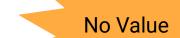








#### Poor Programming



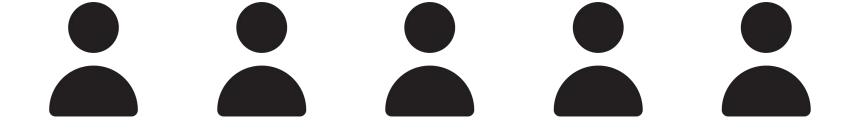


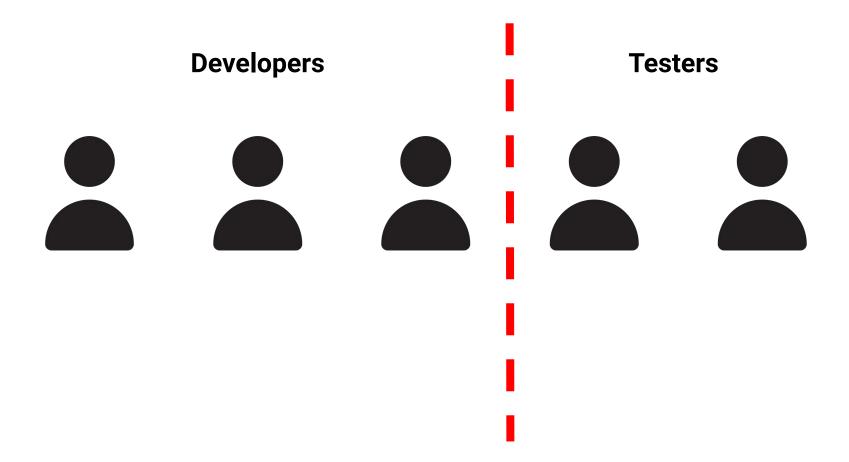
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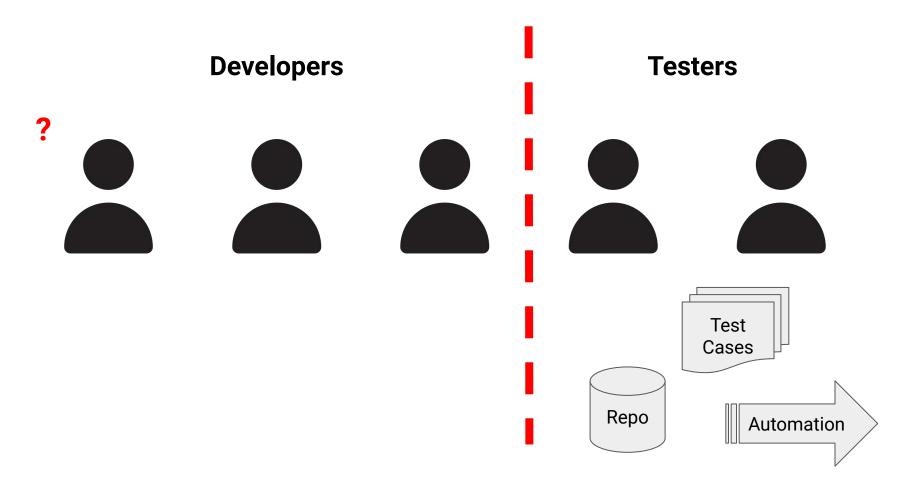
Flaky Tests

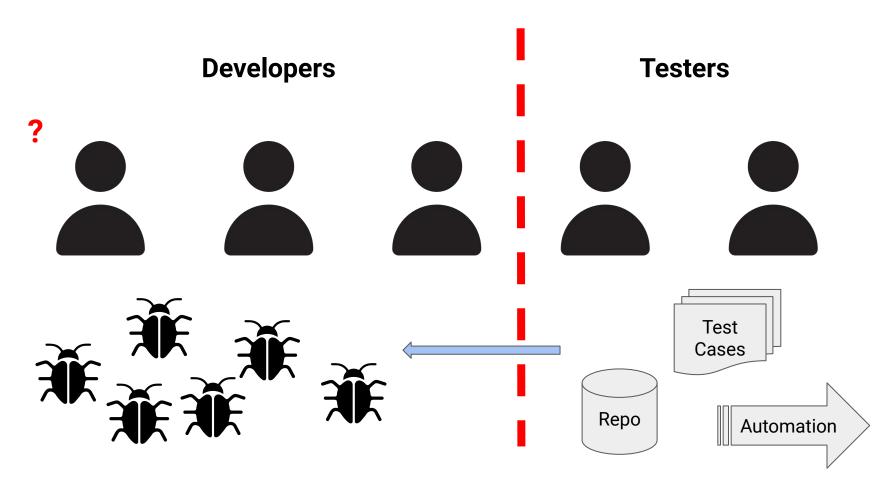
#### Be open with testing!

- 1. Help people learn testing
- 2. Help people become better testers
- 3. Help people become better test maintainers

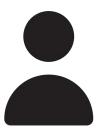






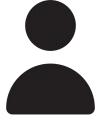


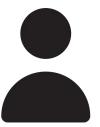






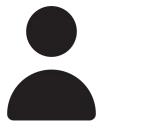
## Biz

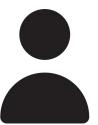






Biz Dev

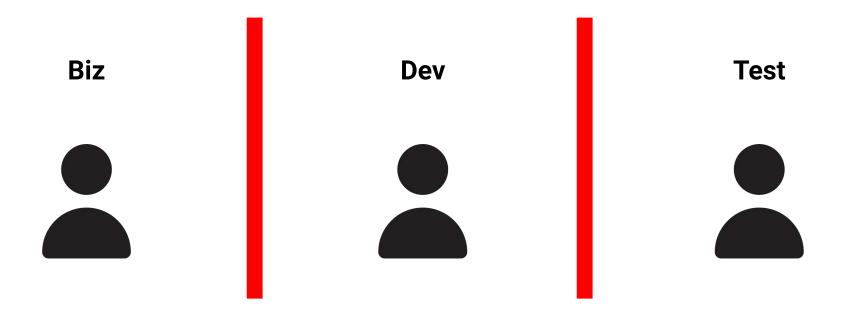


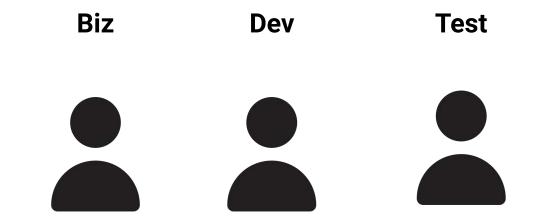


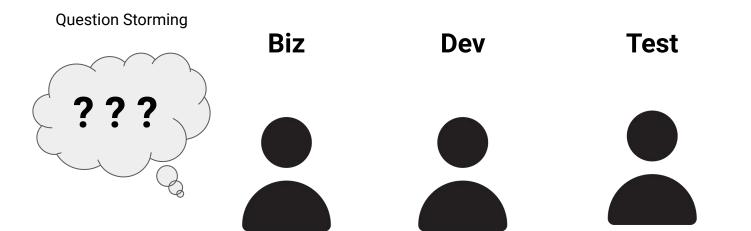


Biz Dev Test

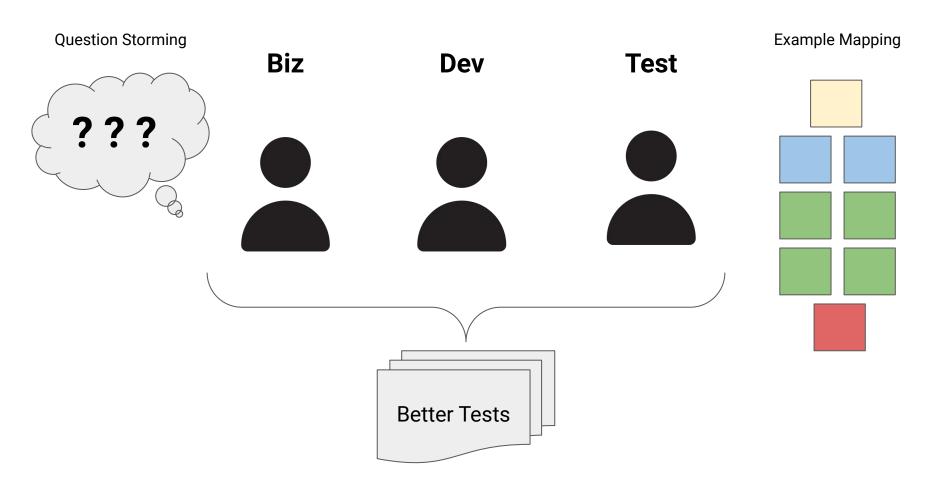
Biz Dev Test







# **Question Storming Example Mapping** Biz Dev **Test** The Three Amigos







# **Steve**

# Steve



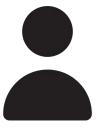
Software Engineer at Q2

# Steve

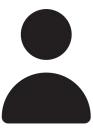


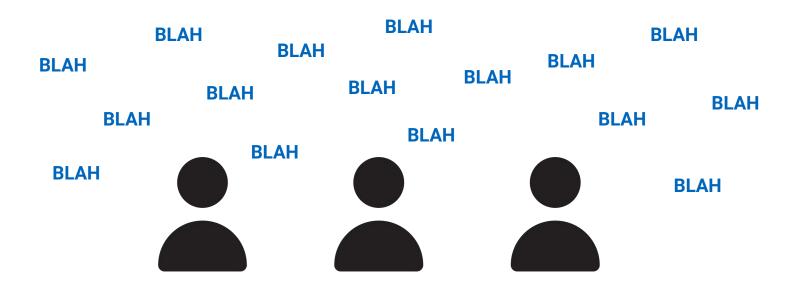
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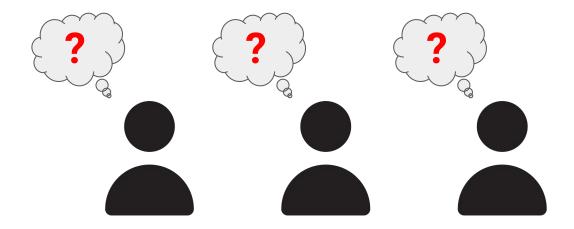
**In Test** 



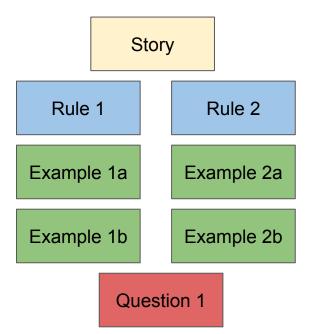




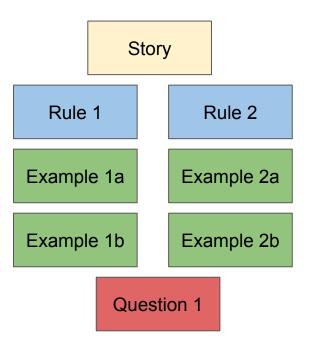




### **Example Mapping**



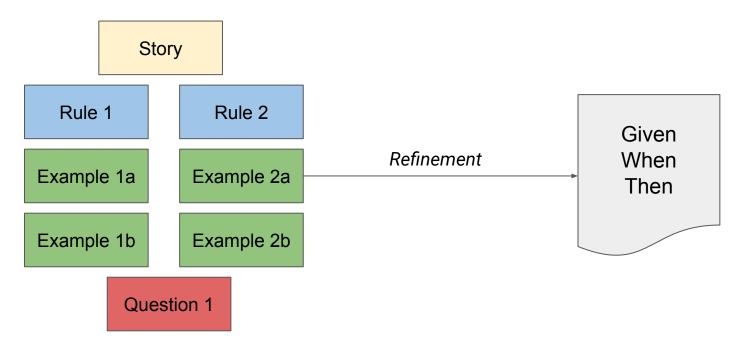
#### **Example Mapping**



https://automationpanda.com/2018/02/27/bdd-example-mapping/

#### **Example Mapping**

#### **Specification by Example**

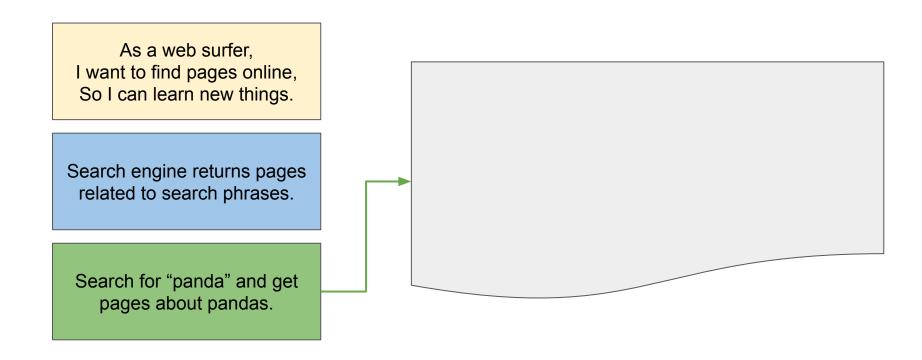


https://automationpanda.com/2018/02/27/bdd-example-mapping/

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Search engine returns pages related to search phrases.

Search for "panda" and get pages about pandas.



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#### Gherkin Scenario - Arrange, Act, Assert!

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"Specification by Example"

Behavior specifications are:

1. Requirements

- 1. Requirements
- 2. Acceptance criteria

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- 3. Test cases

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- 2. Acceptance criteria
- 3. Test cases
- 4. Automated scripts
- 5. Living documentation

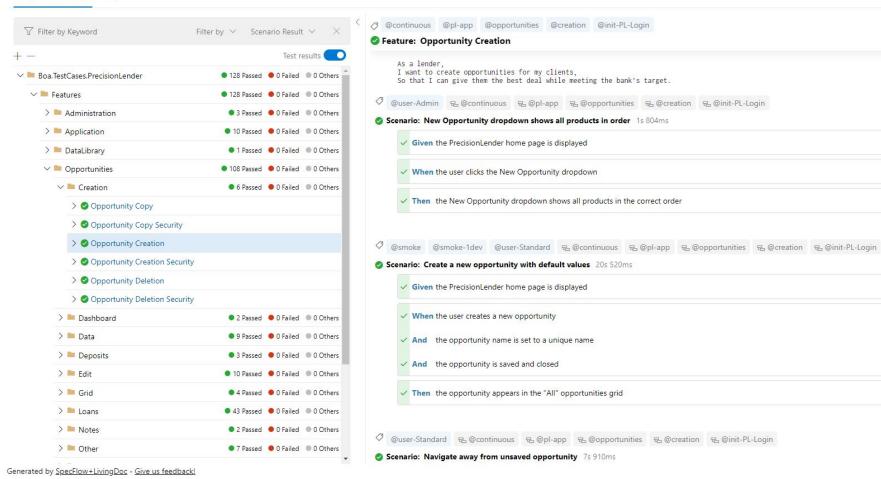




#### PrecisionLender Boa Tests

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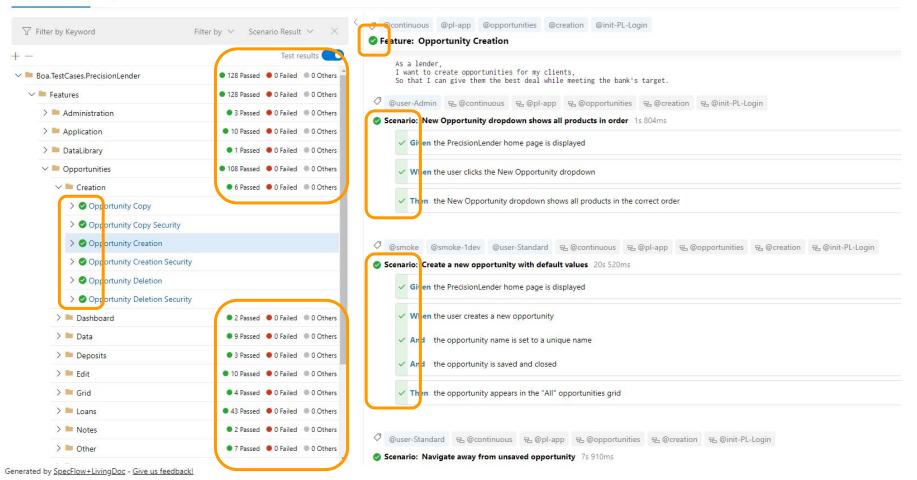
#### Living Documentation Analytics



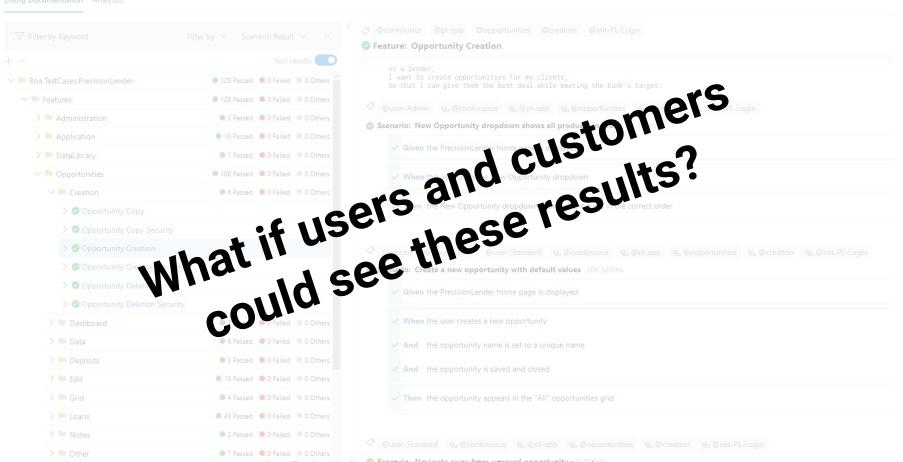
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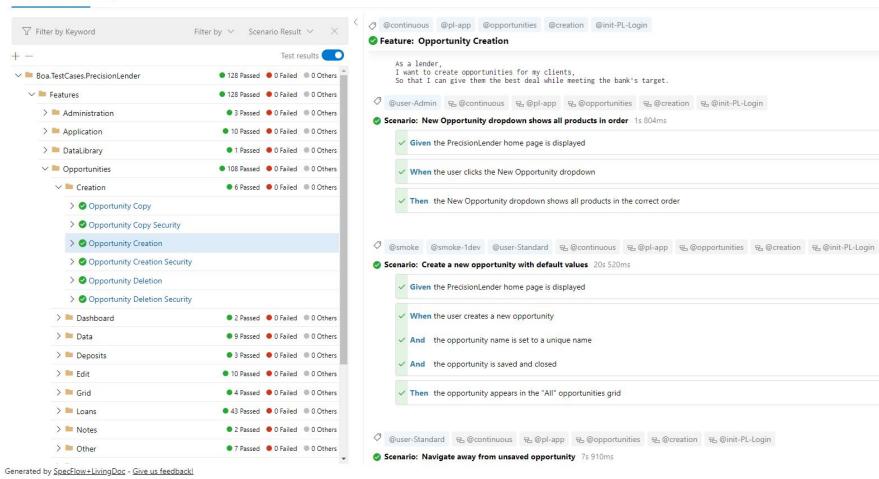
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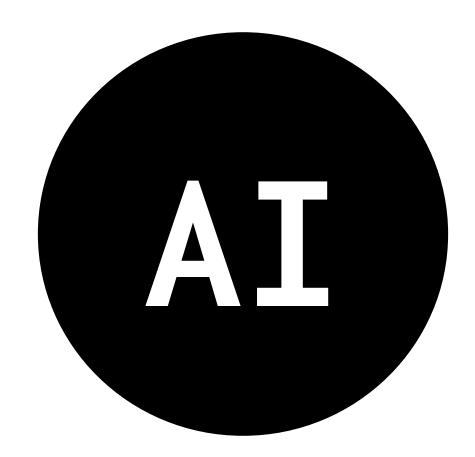


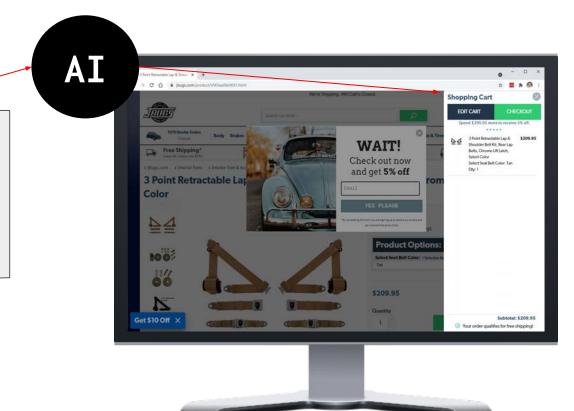
# **DUPLICATION**



Open Testing | Andrew Knight | @AutomationPanda | AutomationPanda.com

# Why do we keep duplicating the same tests?

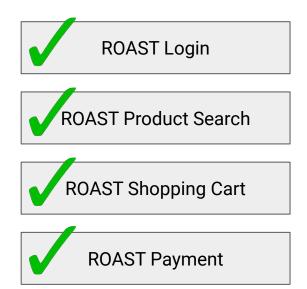


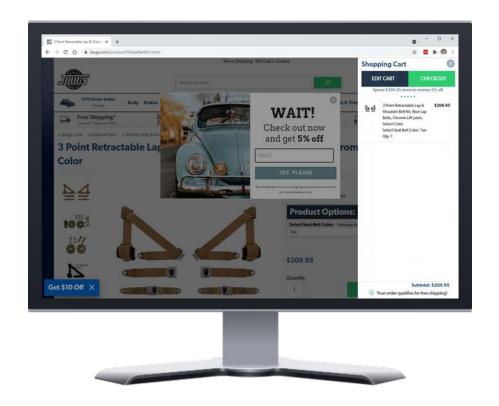


#### Common Shopping Tests:

- Add item to cart
- Add multiple items to cart
- Remove item from cart
- Empty the whole cart
- Proceed to checkout

#### Run-On-Any-System Tests





1. Openness in collaboration

- 1. Openness in collaboration
- 2. Openness in Specification by Example and Living Documentation

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- 2. Openness in Specification by Example and Living Documentation
- 3. Openness in sharing test and their results

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- 6. Openness in other ways?

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- 4. Openness in sharing tools, frameworks, and platforms
- 5. Openness in shared test suites for common behaviors
- 6. Openness in other ways?
- 7. Should some things remain closed?

- How is your testing today?
  - a. In what ways is it open?
  - b. In what ways is it closed?

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  - a. In what ways is it open?
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- 2. How could your testing improve with *incremental* openness?

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  - b. In what ways is it closed?
- 2. How could your testing improve with incremental openness?
- 3. How could your testing improve with radical openness?

## Open testing is a means to an end:

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# QUALITY



What if we open our testing like we open our source?

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