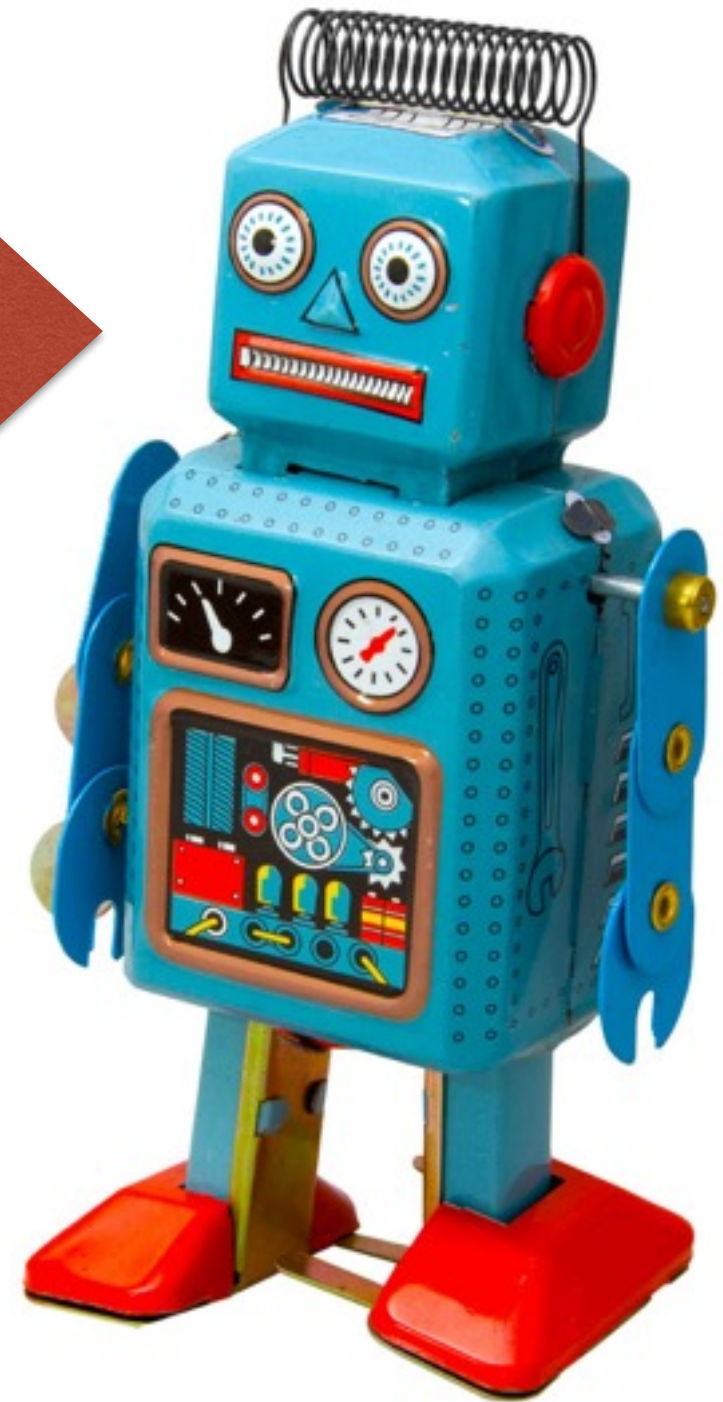


Acceptance Test and Acceptance-Test Driven Development

with Robot Framework

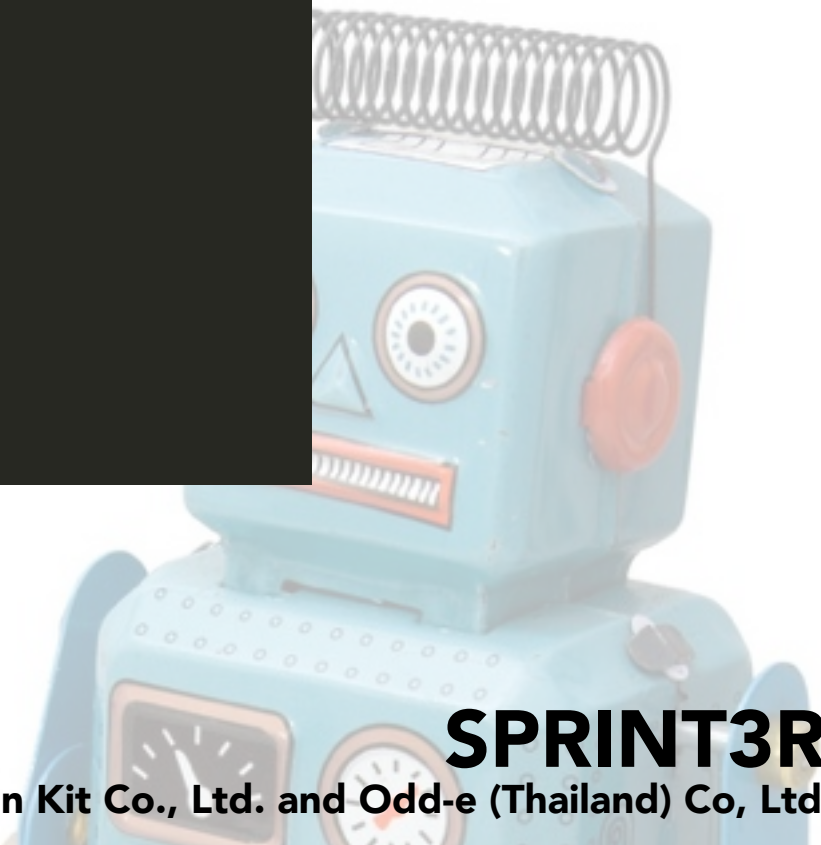


Improve testcase ?

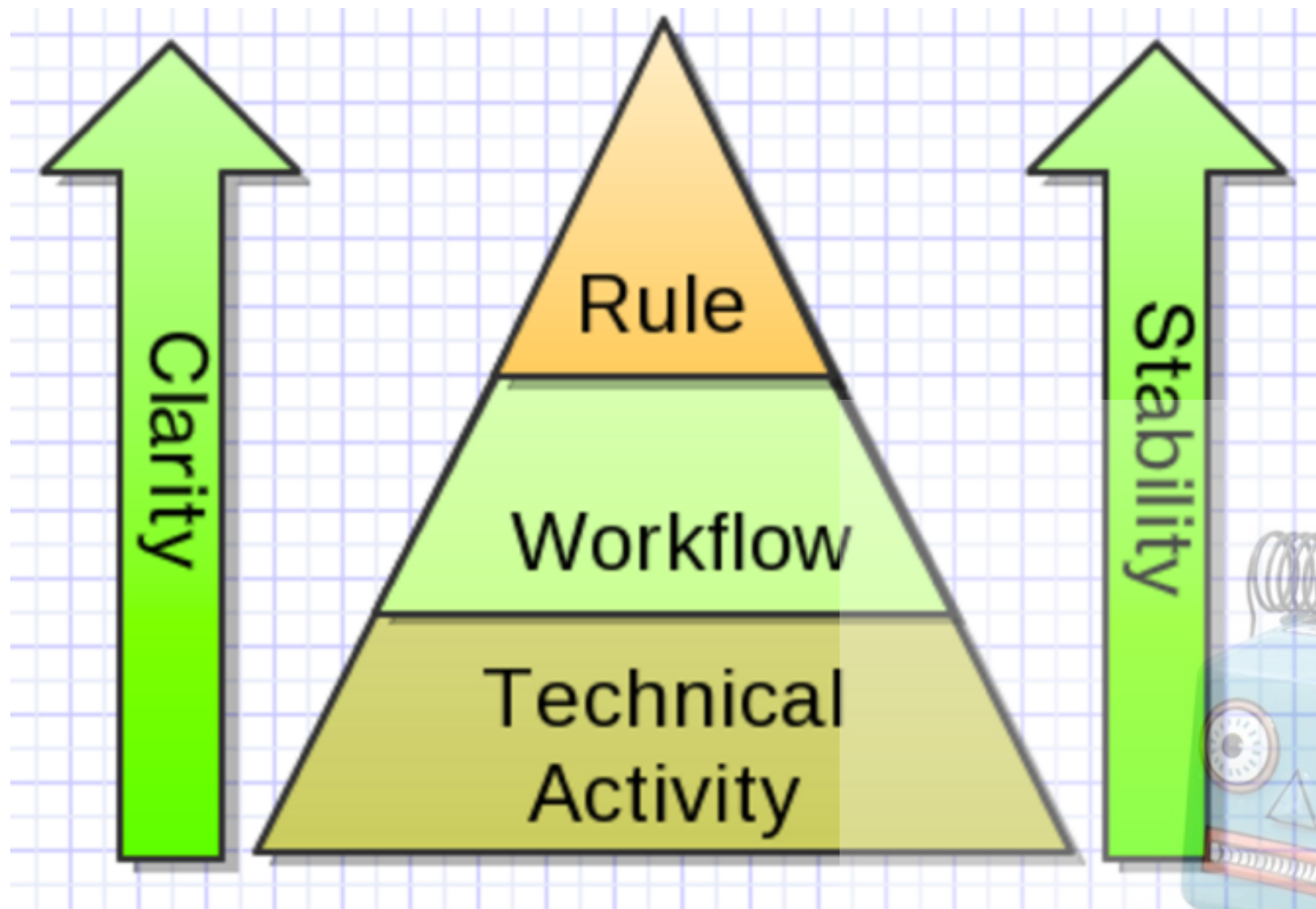
```
7  *** Testcases ***
8  Wrong Username
9      Open login page
10     Fill in username    demoo
11     Fill in password    mode
12     Sign in
13     I will see Error Page
14
15  Wrong Password
16     Open login page
17     Fill in username    demo
18     Fill in password    modee
19     Sign in
20     I will see Error Page
```


Duplication ?

```
7  *** Testcases ***
8  Wrong Username
9      Open login page
10     Fill in username      demoo
11     Fill in password      mode
12     Sign in
13     I will see Error Page
14
15  Wrong Password
16     Open login page
17     Fill in username      demo
18     Fill in password      modee
19     Sign in
20     I will see Error Page
```



Improve testcase ?



Rule

Login failure



Workflow

1. Open login page
2. Fill in username <username>
3. Fill in password <password>
4. Sign in
5. I will see Error page



Technical activity

Fill in username

[Arguments] **`${username}`**

Input Text username_field **`${username}`**

Fill in password

[Arguments] **`${password}`**

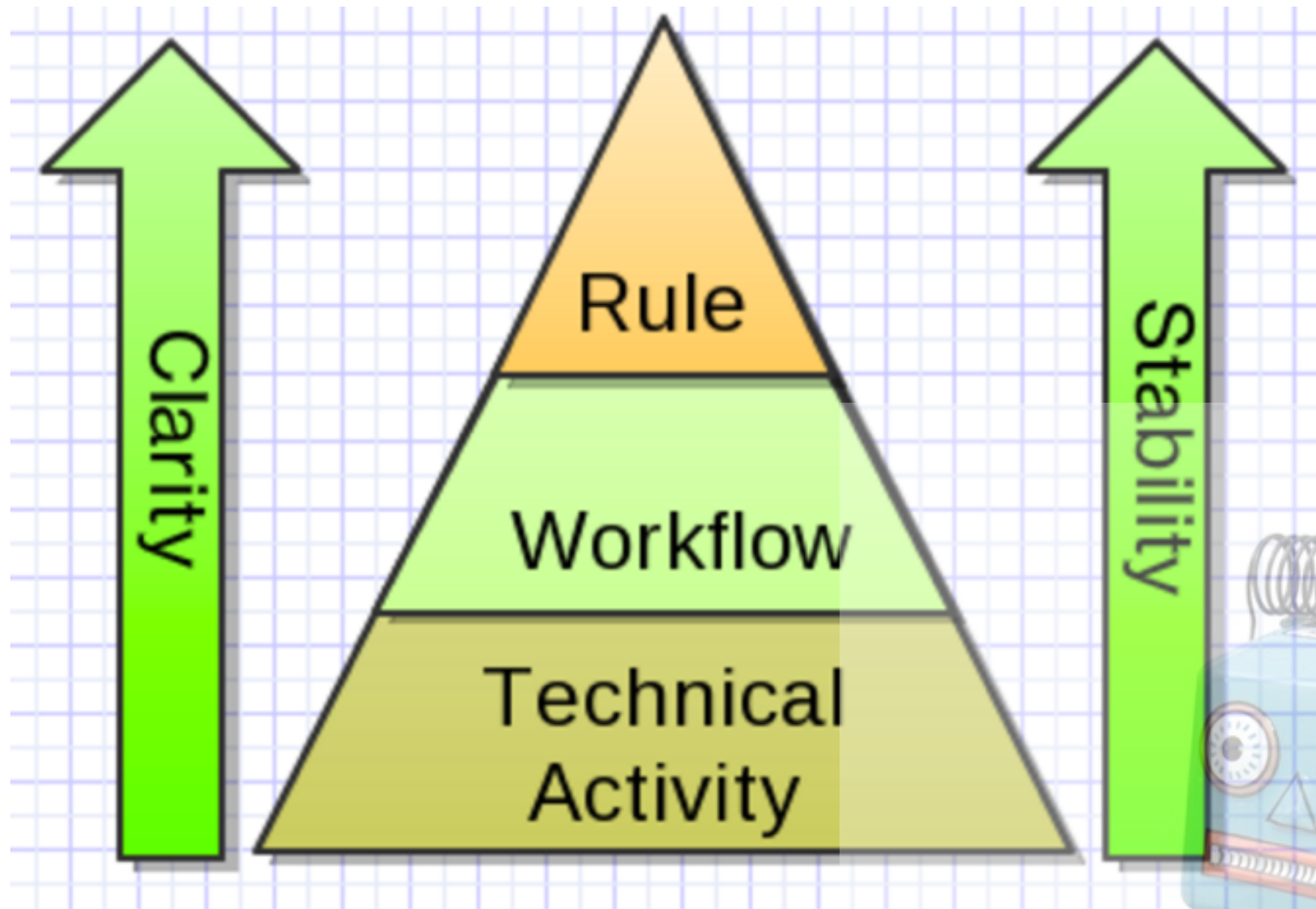
Input Text password_field **`${password}`**

Open login page

Open Browser `http://localhost:7272/html/`

Maximize Browser Window

Improve testcase ?



Use template

*** Testcases ***

Rule of login failure

[Template] Flow of login failure

demoo

mode

demo

modee

demoo

modee

\${EMPTY}

mode

demo

\${EMPTY}

\${EMPTY}

\${EMPTY}

Use template

*** Testcases ***

Rule of login failure

[Template]

Flow of login failure

demoo

mode

demo

modee

demoo

modee

\${EMPTY}

mode

demo

\${EMPTY}

\${EMPTY}

\${EMPTY}

Use template

*** Keywords ***

Flow of login failure

[Arguments] \${username} \${password}

Open login page

Fill in username \${username}

Fill in password \${password}

Sign in

I will see Error Page

See report

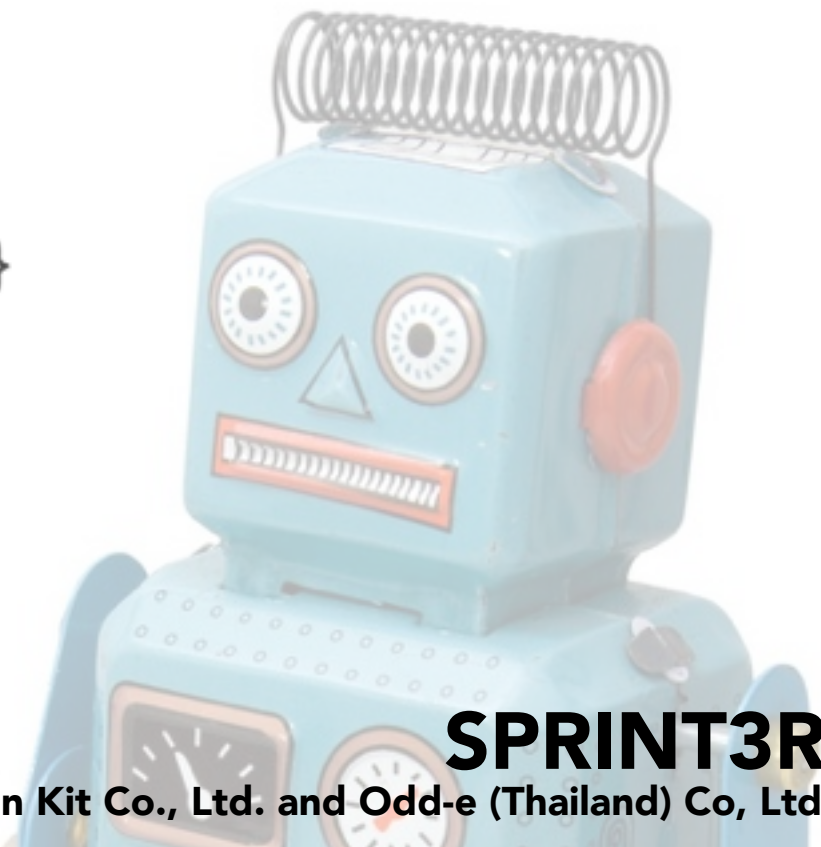
- **TEST** Rule of login failure

Full Name: Login Fail 01.Rule of login failure

Start / End / Elapsed: 20151001 23:40:36.418 / 20151001 23:41:14.079 / 00:00:37.661

Status: **PASS** (critical)

- + **KEYWORD** Flow of login failure demoo, mode
- + **KEYWORD** Flow of login failure demo, modee
- + **KEYWORD** Flow of login failure demoo, modee
- + **KEYWORD** Flow of login failure \${EMPTY}, mode
- + **KEYWORD** Flow of login failure demo, \${EMPTY}
- + **KEYWORD** Flow of login failure \${EMPTY}, \${EMPTY}
- + **TEARDOWN** Selenium2Library . Close All Browsers



What problems?

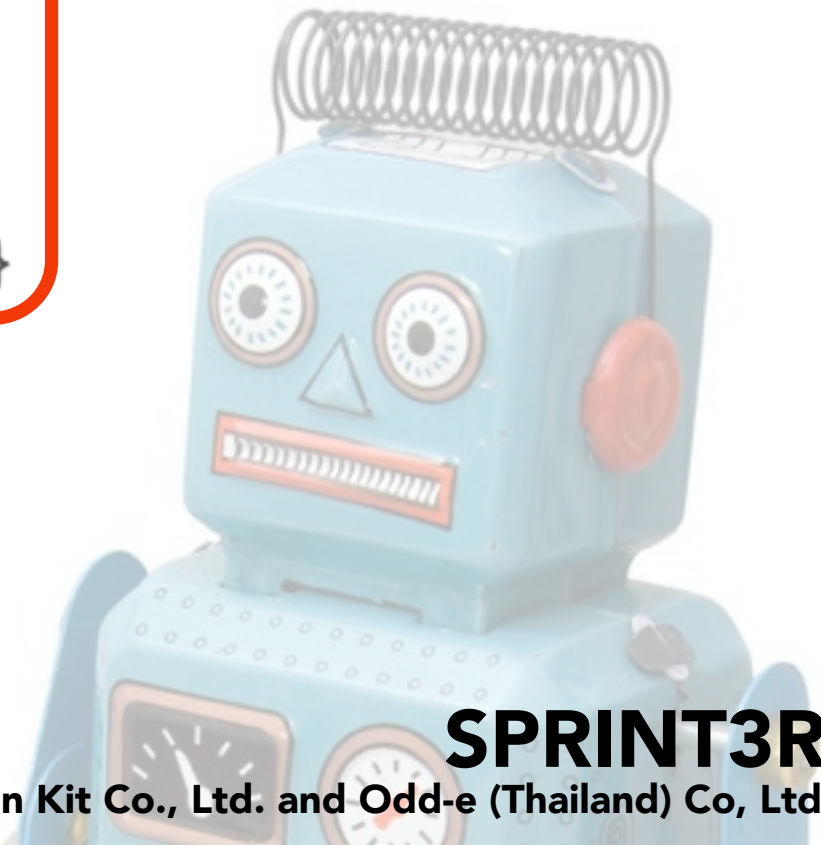
- **TEST** Rule of login failure

Full Name: Login Fail 01.Rule of login failure

Start / End / Elapsed: 20151001 23:40:36.418 / 20151001 23:41:14.079 / 00:

Status: **PASS** (critical)

- + **KEYWORD** Flow of login failure demoo, mode
- + **KEYWORD** Flow of login failure demo, modee
- + **KEYWORD** Flow of login failure demoo, modee
- + **KEYWORD** Flow of login failure \${EMPTY}, mode
- + **KEYWORD** Flow of login failure demo, \${EMPTY}
- + **KEYWORD** Flow of login failure \${EMPTY}, \${EMPTY}
- + **TEARDOWN** Selenium2Library . Close All Browsers



What problems?

Open many browser !!

Use resources too much !!



How to improve ?



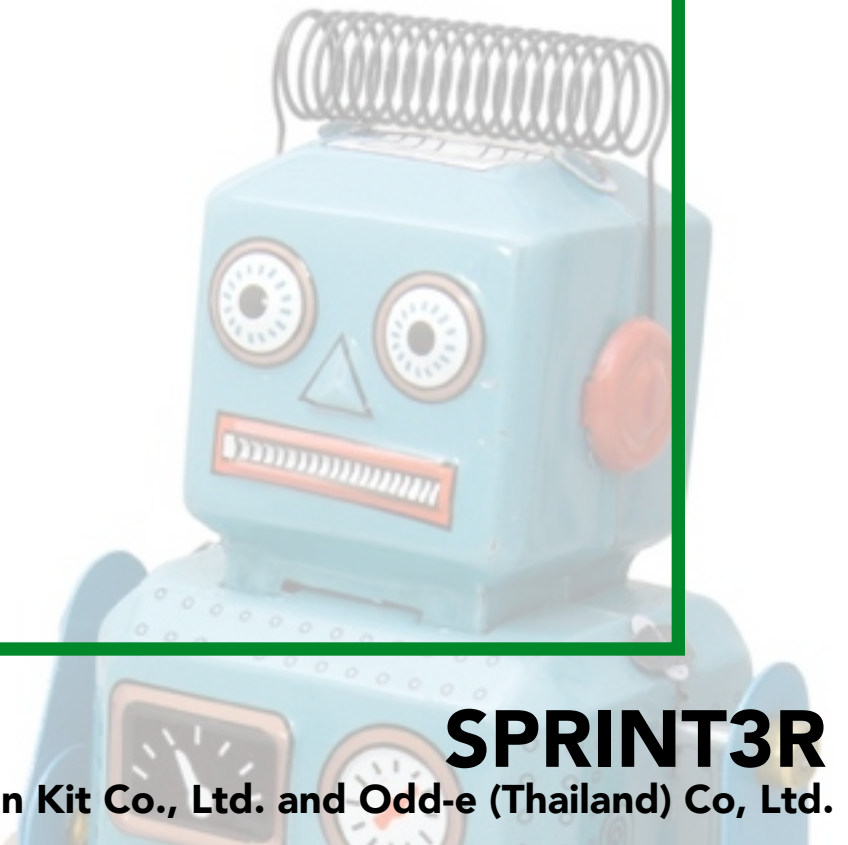
Test Life Cycle



Suite

Suite Setup

Suite Teardown



Suite

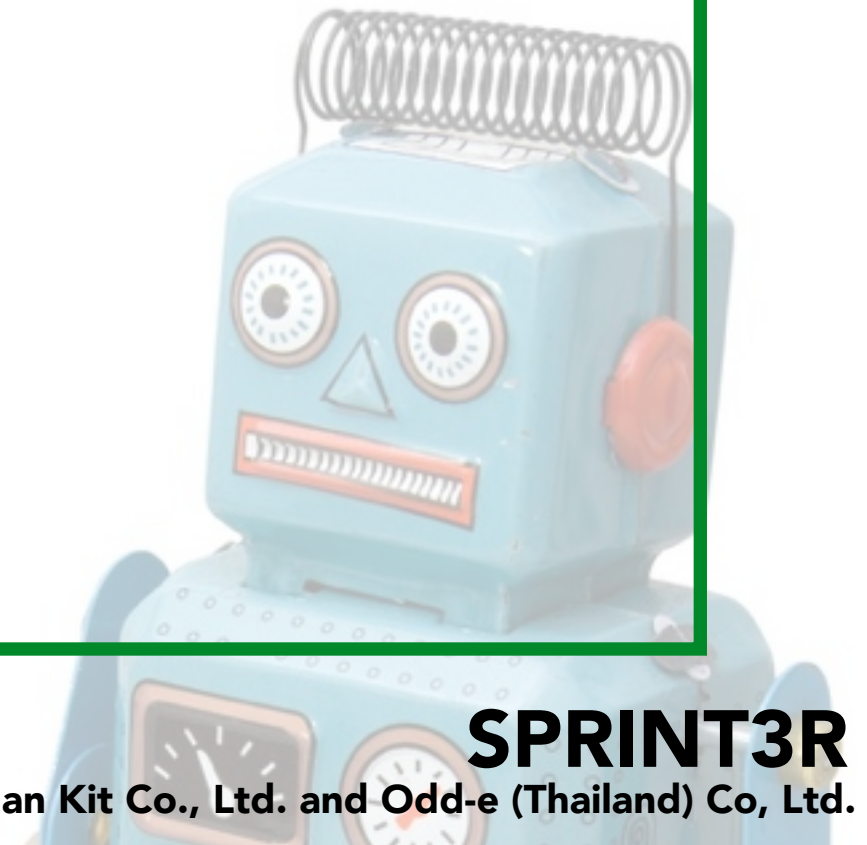
Suite Setup

Test case 1

Test Setup

Test Teardown

Suite Teardown



Suite

Suite Setup

Test case 1

Test Setup

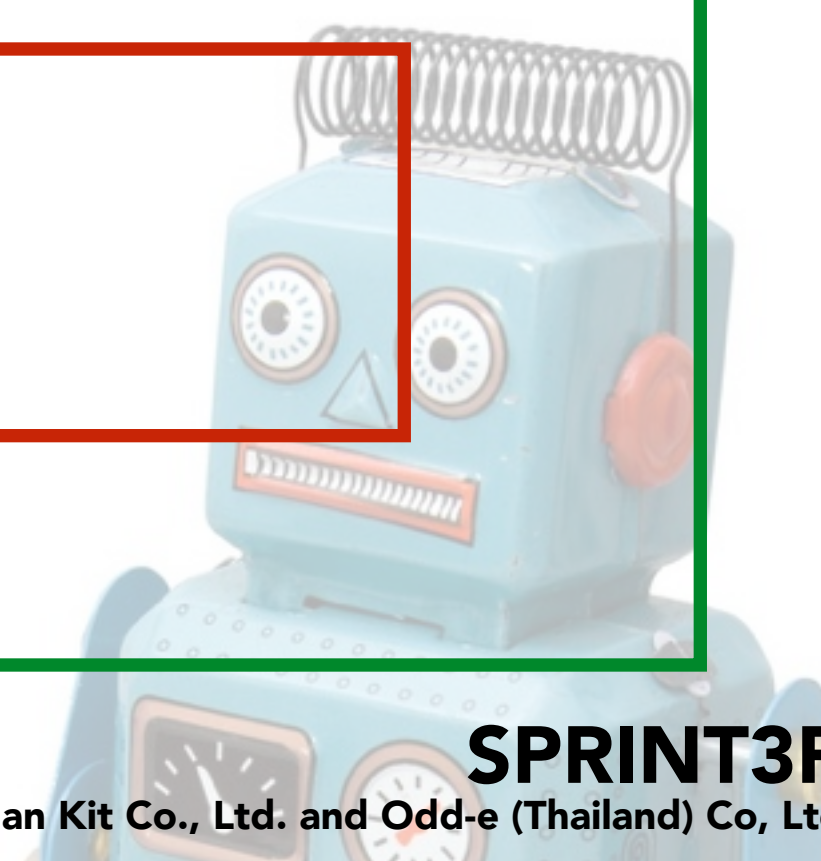
Test Teardown

Test case 2

Test Setup

Test Teardown

Suite Teardown



How ?



Settings

*** Settings ***

Library	Selenium2Library
Suite Setup	Open login page
Test Setup	Go to login page
Test Template	Flow of login failure
Suite Teardown	Close Browser

Settings

*** Settings ***

Library	Selenium2Library
Suite Setup	Open login page
Test Setup	Go to login page
Test Template	Flow of login failure
Suite Teardown	Close Browser

Go to login page

*** Keywords ***

Go to login page

Go To <http://localhost:7272/html/>



Use template

*** Settings ***

Library	Selenium2Library
Suite Setup	Open login page
Test Setup	Go to login page
Test Template	Flow of login failure
Suite Teardown	Close Browser

Flow of login failure

*** Keywords ***

Flow of login failure

[Arguments] \${username} \${password}

Fill in username \${username}

Fill in password \${password}

Sign in

I will see Error Page

What about test case ?



All test cases

*** Testcases ***

Wrong username	demoo	mode
Wrong password	demo	modee
Wrong both	demoo	modee
Blank username	\${EMPTY}	mode
Blank password	demo	\${EMPTY}
Blank both	\${EMPTY}	\${EMPTY}

Try to run

Open only one browser
Very fast !!



See report

Name	Documentation	Tags	Crit.	Status
Login Fail 02 . Wrong username			yes	PASS
Login Fail 02 . Wrong password			yes	PASS
Login Fail 02 . Wrong both			yes	PASS
Login Fail 02 . Blank username			yes	PASS
Login Fail 02 . Blank password			yes	PASS
Login Fail 02 . Blank both			yes	PASS



Ready to go ?

