Acceptance Test
and
Acceptance-Test Driven Development

with Robot Framework

SPRINT3R
by Siam Chamnan Kit Co., Ltd. and Odd-e (Thailand) Co, Ltd.
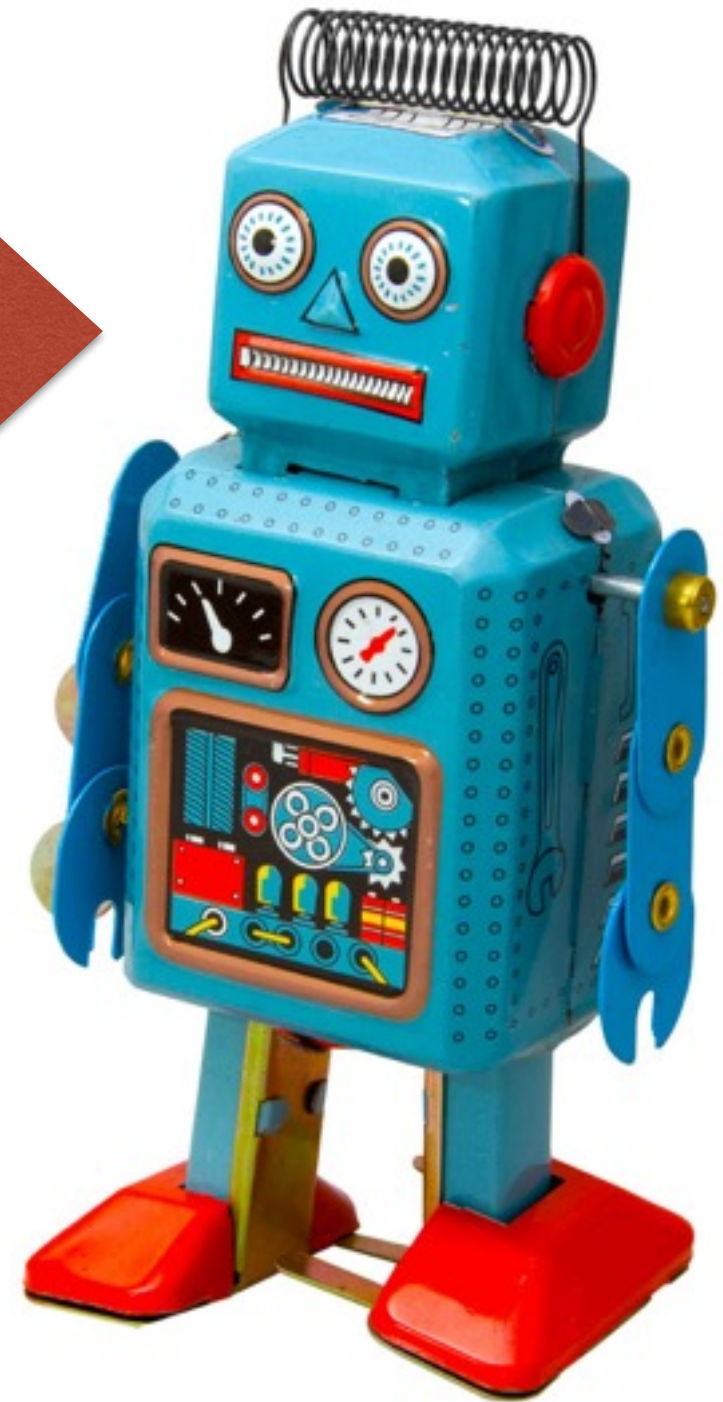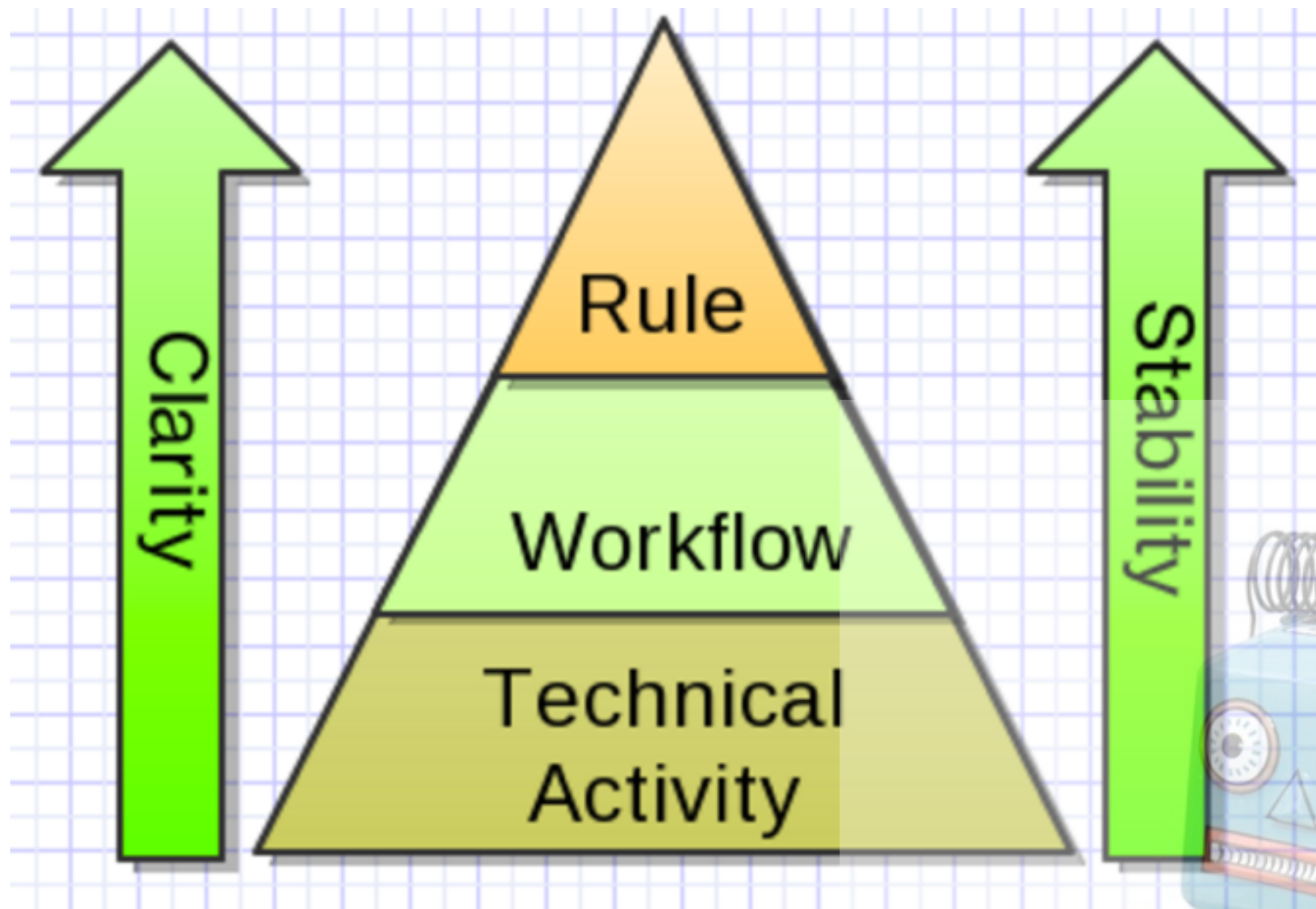
Improve testcase ?

```
 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
```

SPRINT3R
by Siam Chamnan Kit Co., Ltd. and Odd-e (Thailand) Co, Ltd.

Improve testcase ?

SPRINT3R
by Siam Chamnan Kit Co., Ltd. and Odd-e (Thailand) Co, Ltd.

Rule

Login failure

Workflow

1. Open browser to login page
2. Input username
3. Input password
4. Submit Credentials
5. Login should have fail

SPRINT3R
by Siam Chamnan Kit Co., Ltd. and Odd-e (Thailand) Co, Ltd.

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
```
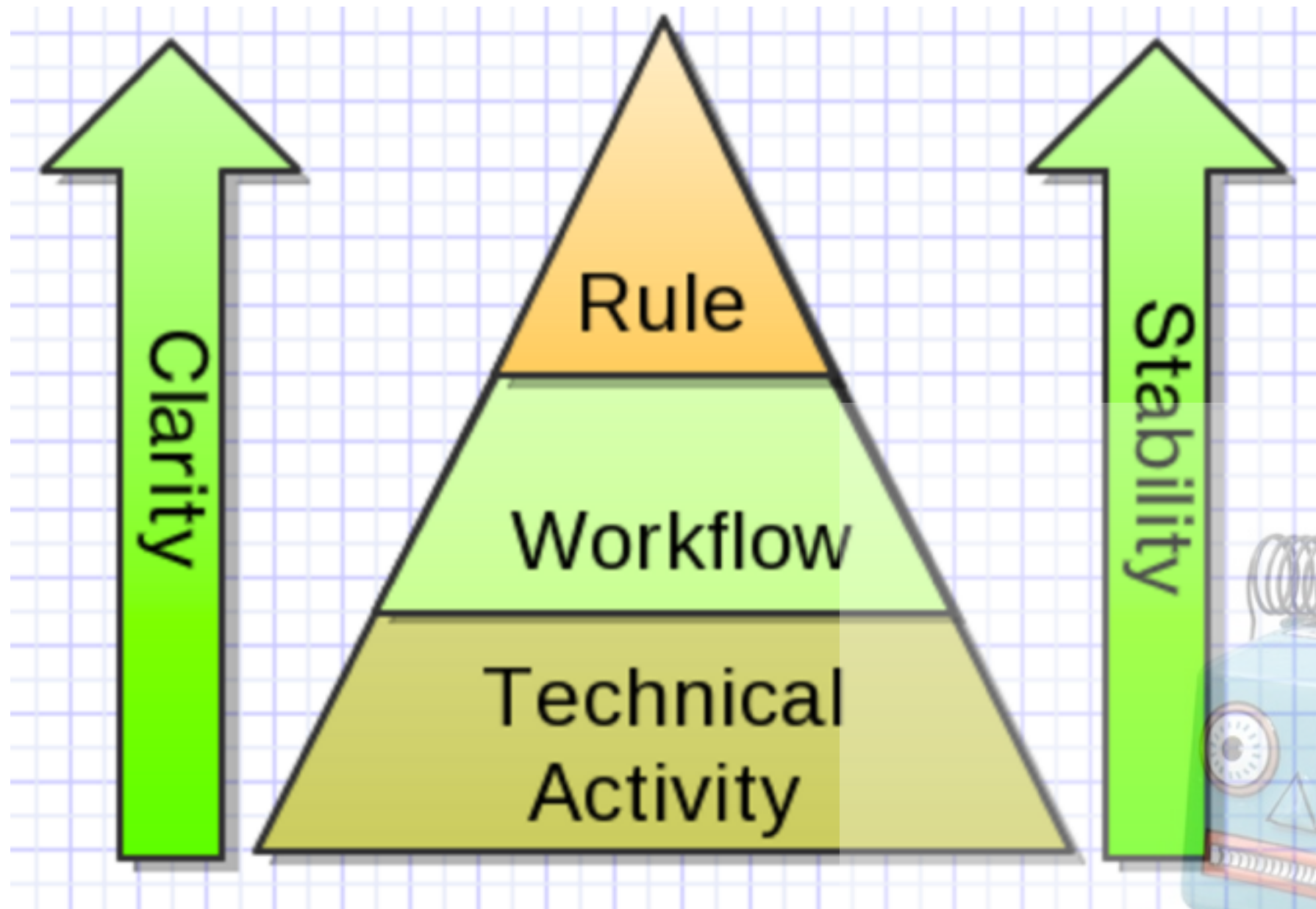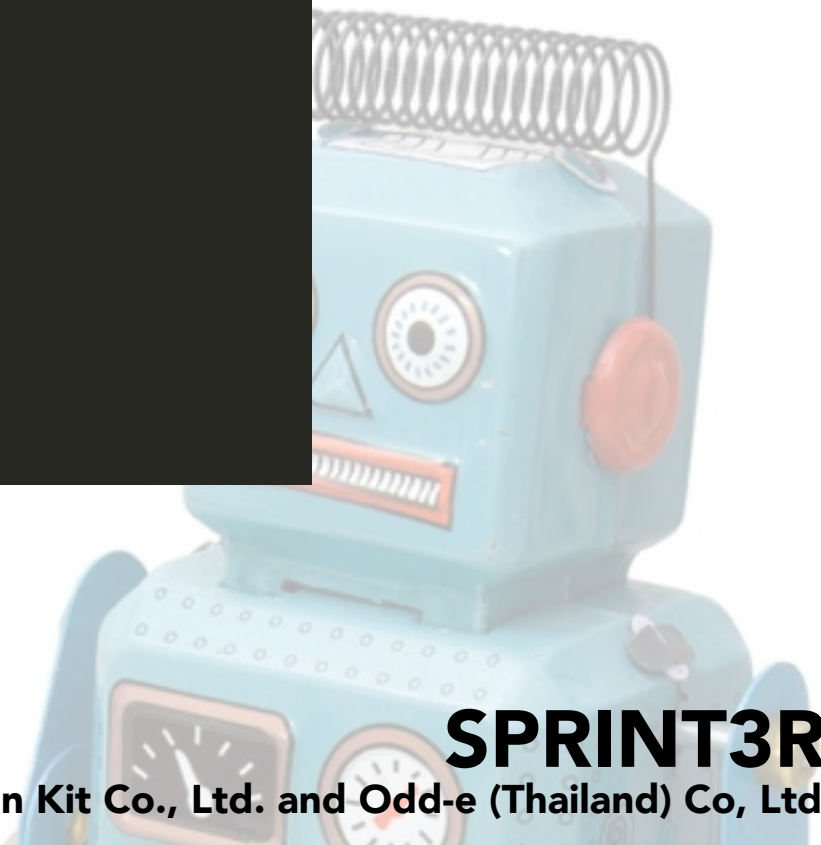
Improve testcase ?

SPRINT3R
by Siam Chamnan Kit Co., Ltd. and Odd-e (Thailand) Co, Ltd.

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
```

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
```
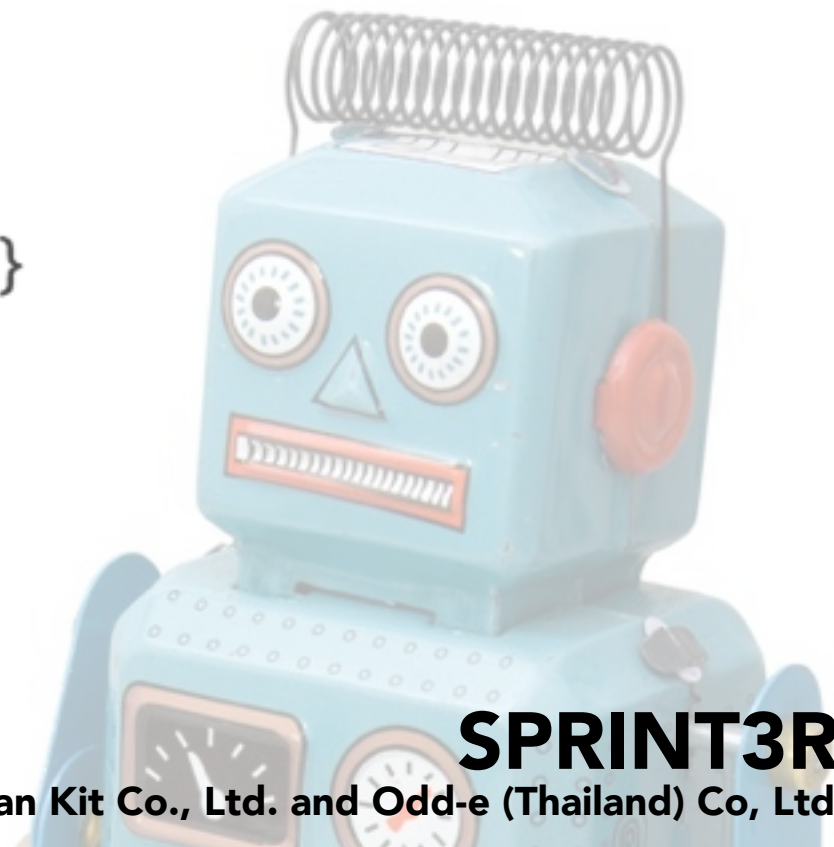
See report

□ **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

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**

SPRINT3R

by Siam Chamnan Kit Co., Ltd. and Odd-e (Thailand) Co, Ltd.
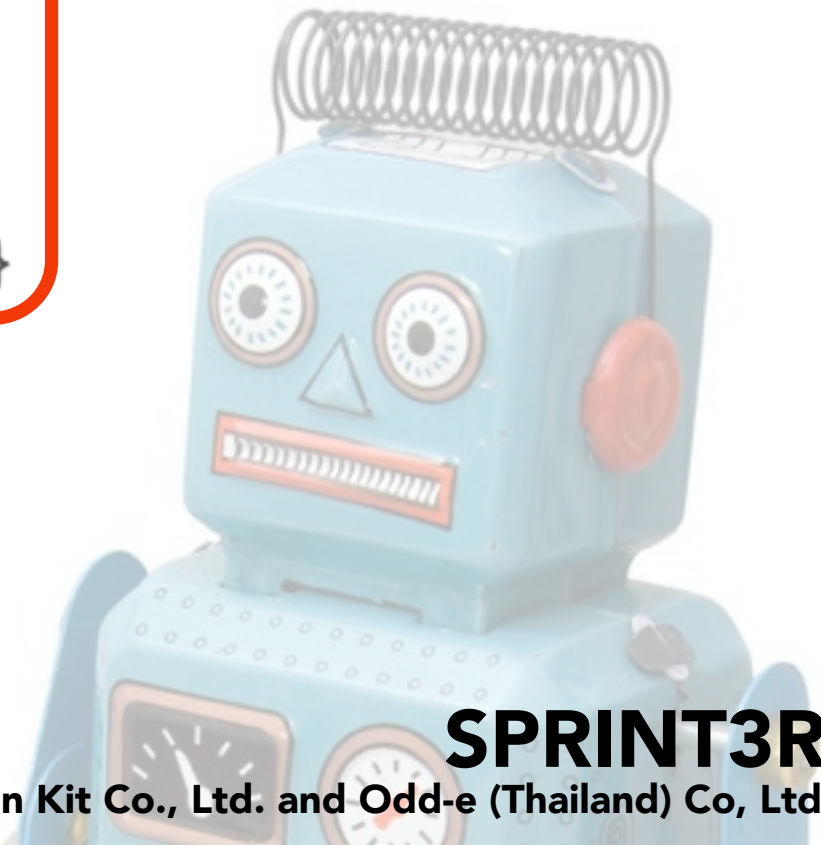
What problems?

☐ **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**

SPRINT3R
by Siam Chamnan Kit Co., Ltd. and Odd-e (Thailand) Co, Ltd.

What problems?

Open many browser !!

Use resources too much !!

How to improve ?

SPRINT3R
by Siam Chamnan Kit Co., Ltd. and Odd-e (Thailand) Co, Ltd.

Test Life Cycle

SPRINT3R
by Siam Chamnan Kit Co., Ltd. and Odd-e (Thailand) Co, Ltd.

Suite

Suite Setup

Suite Teardown
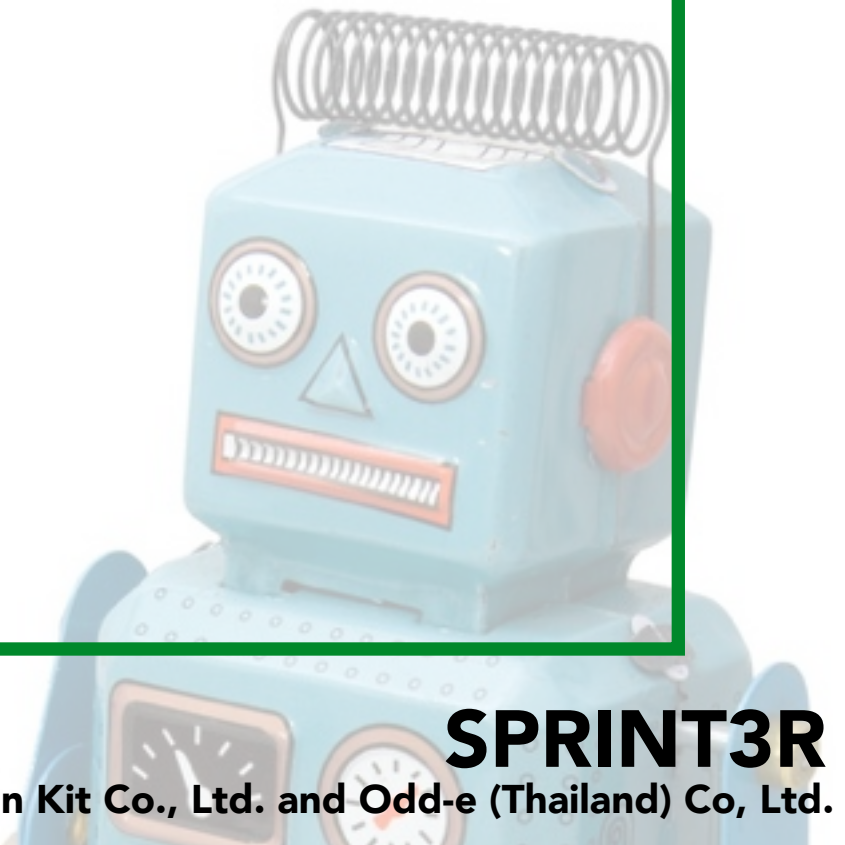
Suite

Suite Setup

Test case 1

Test Setup

Test Teardown

Suite Teardown

SPRINT3R
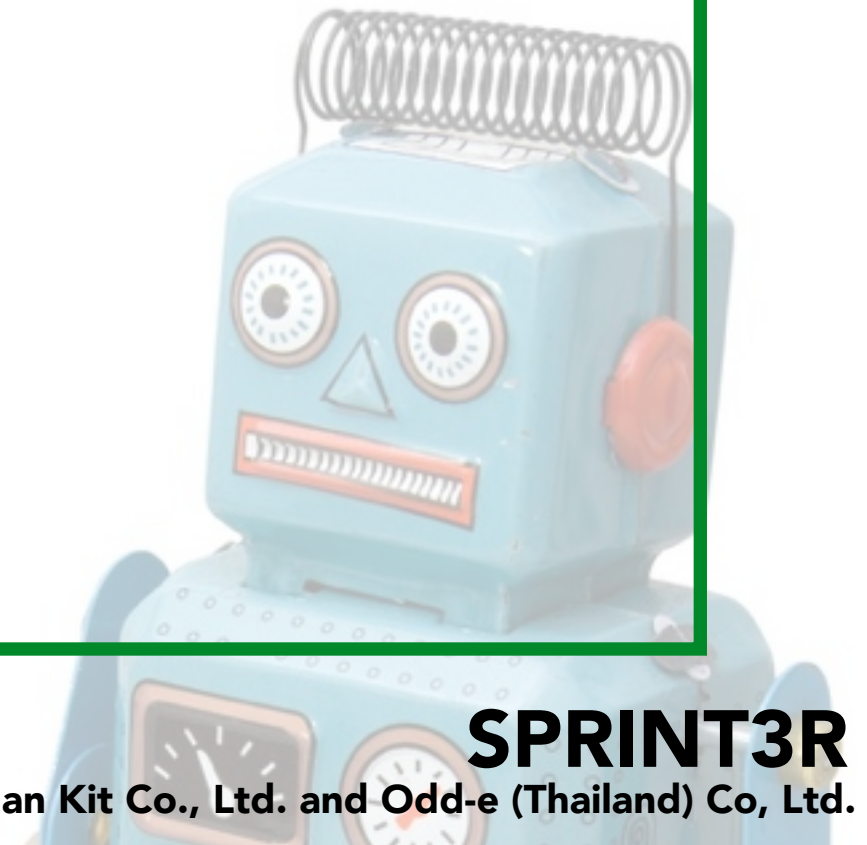
Suite

Suite Setup

Test case 1

Test Setup

Test Teardown

Test case 2

Test Setup

Test Teardown
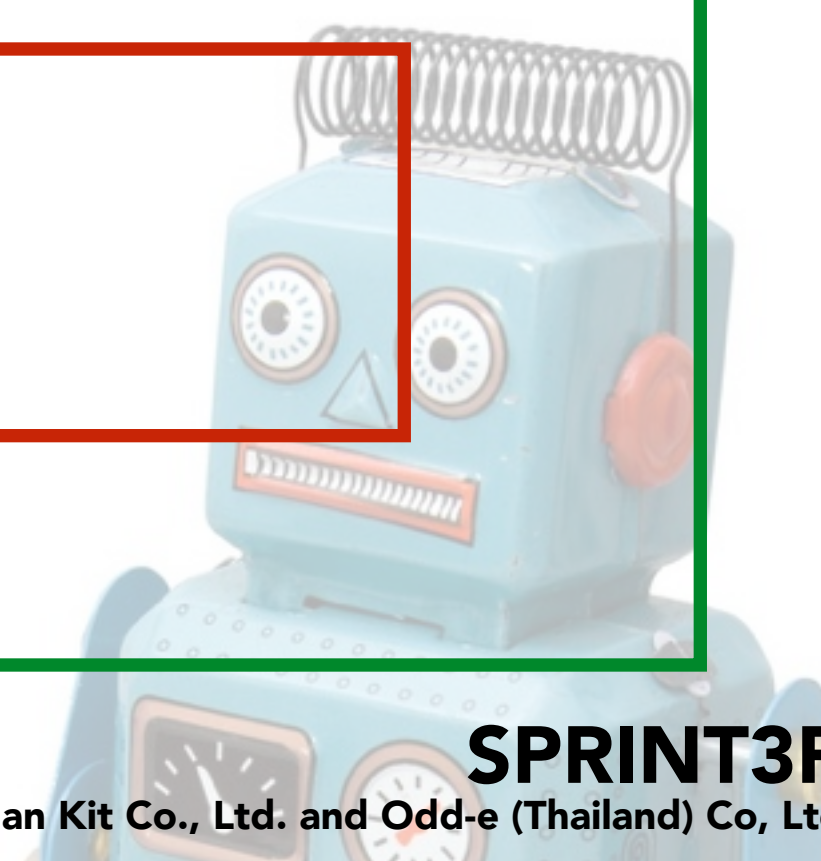
Suite Teardown

How ?

SPRINT3R
by Siam Chamnan Kit Co., Ltd. and Odd-e (Thailand) Co, Ltd.

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
```

SPRINT3R
by Siam Chamnan Kit Co., Ltd. and Odd-e (Thailand) Co, Ltd.

What about test case ?

SPRINT3R
by Siam Chamnan Kit Co., Ltd. and Odd-e (Thailand) Co, Ltd.

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}
```

SPRINT3R
by Siam Chamnan Kit Co., Ltd. and Odd-e (Thailand) Co, Ltd.

Try to run

Open only one browser
Very fast !!

SPRINT3R
by Siam Chamnan Kit Co., Ltd. and Odd-e (Thailand) Co, Ltd.

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 ?

SPRINT3R
by Siam Chamnan Kit Co., Ltd. and Odd-e (Thailand) Co, Ltd.