

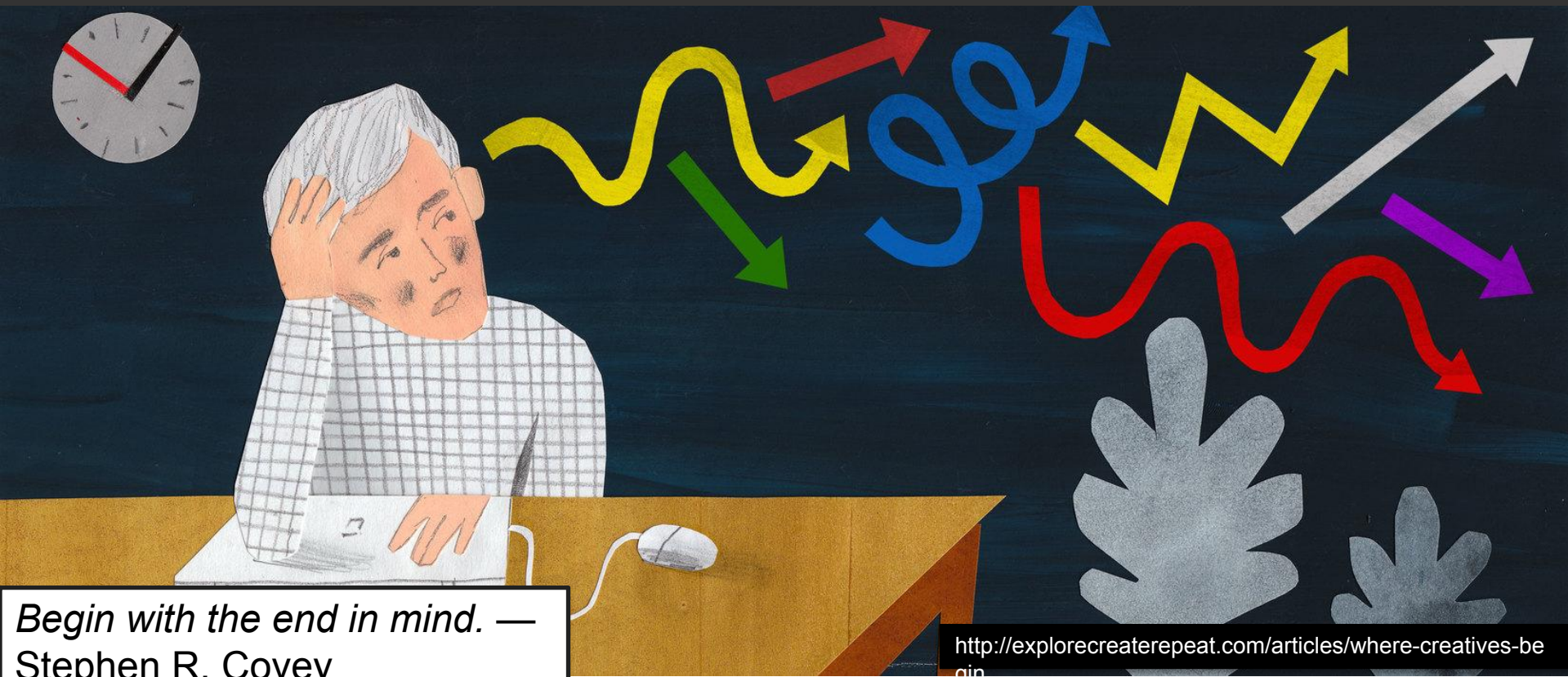
ACCEPTANCE TEST DRIVEN DEVELOPMENT?



<https://www.flickr.com/photos/ywamorlando/32881351792/>

Davor Banović
davor.banovic@oradian.com

ACCEPTANCE TEST DRIVEN...



Begin with the end in mind. —
Stephen R. Covey

<http://explorecraterepeat.com/articles/where-creatives-begin>

... DEVELOPMENT

*Just remember,
once you're over the
hill you begin to pick
up speed.*
Arthur
Schopenhauer



<http://www.entas.com.tr/bugun-77-gloucester-peynir-yuvarlama-festi-vali>

ROBOT FRAMEWORK

```
1 *** Settings ***
2 Documentation      A test suite with
3 ...
4 ...
5 ...
6 Resource           resource.txt
7
8 *** Test Cases ***
9 Valid Login
10     Open Browser To Login Page
11     Input Username    demo
12     Input Password    mode
13     Submit Credentials
14     Welcome Page Should Be Open
15     [Teardown]      Close Browser
```

```
1 *** Keywords ***
2 Open Browser To Login Page
3     Open Browser    ${LOGIN URL}    ${BROWSER}
4     Maximize Browser Window
5     Set Selenium Speed    ${DELAY}
6     Login Page Should Be Open
7
8 Login Page Should Be Open
9     Title Should Be    Login Page
10
11 Go To Login Page
12     Go To    ${LOGIN URL}
13     Login Page Should Be Open
14
15 Input Username
16     [Arguments]    ${username}
17     Input Text    username_field    ${username}
18
19 Input Password
20     [Arguments]    ${password}
21     Input Text    password_field    ${password}
22
23 Submit Credentials
24     Click Button    login_button
25
26 Welcome Page Should Be Open
27     Location Should Be    ${WELCOME URL}
28     Title Should Be    Welcome Page
29
```

rds in

config.py x login_tests.robot x DashboardPage.py x keywords.robot x LoginPage.py x

```
1 from PageObjectLibrary import PageObject
2
3 class LoginPage(PageObject):
4     PAGE_URL = "/index.html"
5
6     _locators = {
7         "username": "id=username_field",
8         "password": "id=password_field",
9         "submit_button": "id=login_button"
10    }
11
12    def _is_current_page(self):
13        location = self.se2lib.get_location()
14        if not location.endswith(self.PAGE_URL):
15            message = "Expected location to end with " + \
16                    self.PAGE_URL + " but it did not"
17            raise Exception(message)
18        return True
19
20    def enter_username(self, username):
21        """Type the given text into the username field """
22        self.se2lib.input_text(self.locator.username, username)
23
24    def enter_password(self, password):
25        """Type the given text into the password field"""
26        self.se2lib.input_text(self.locator.password, password)
27
28    def click_login_button(self):
29        with self._wait_for_page_refresh():
30            self.se2lib.click_button(self.locator.submit_button)
31
```

the logged in user is on his dashboard
enter username \${USERNAME}
enter password \${PASSWORD}
click login button
go to \${DASHBOARD_URL}

LoginPage > enter_username()

extended
r high level
rds

LOGGING AND REPORTING

Valid Login Test Log

Generated 20130308 17:36:41 GMT +03:00
2 days 21 hours ago

REPORT

Test Statistics

Total Statistics	Total	Pass	Fail	Elapsed	Pass / Fail
Critical Tests	1	1	0	00:00:04	
All Tests	1	1	0	00:00:04	

Statistics by Tag	Total	Pass	Fail	Elapsed	Pass / Fail
No Tags					

Statistics by Suite	Total	Pass	Fail	Elapsed	Pass / Fail
Valid Login	1	1	0	00:00:04	

Test Execution Log

TEST SUITE: Valid Login Expand All

Full Name: Valid Login

Documentation: A test suite with a single test for valid login.

This test has a workflow that is created using keywords in the imported resource file.

Source: /Users/tkairi/Coding/webdemo/login_tests/valid_login.txt

Start / End / Elapsed: 20130308 17:36:37.429 / 20130308 17:36:41.168 / 00:00:03.739

Status: 1 critical test, 1 passed, 0 failed

TEST CASE: Valid Login Expand All

Full Name: Valid Login.Valid Login

Start / End / Elapsed: 20130308 17:36:37.522 / 20130308 17:36:41.168 / 00:00:03.646

Status: PASS (critical)

- KEYWORD:** resource.Open Browser To Login Page Expand All
- KEYWORD:** resource.Input Username demo Expand All
- KEYWORD:** resource.Input Password mode Expand All
- KEYWORD:** resource.Submit Credentials Expand All
- KEYWORD:** resource.Welcome Page Should Be Open Expand All
- TEARDOWN:** Selenium2Library.Close Browser Expand All

Valid Login Test Report

Generated 20130308 17:36:41 GMT +03:00
2 days 21 hours ago

LOG

Summary Information

Status: All tests passed

Documentation: A test suite with a single test for valid login.

This test has a workflow that is created using keywords in the imported resource file.

Start Time: 20130308 17:36:37.429

End Time: 20130308 17:36:41.168

Elapsed Time: 00:00:03.739

Log File: log.html

Test Statistics

Total Statistics	Total	Pass	Fail	Elapsed	Pass / Fail
Critical Tests	1	1	0	00:00:04	
All Tests	1	1	0	00:00:04	

Statistics by Tag	Total	Pass	Fail	Elapsed	Pass / Fail
No Tags					

Statistics by Suite	Total	Pass	Fail	Elapsed	Pass / Fail
Valid Login	1	1	0	00:00:04	

Test Details

Totals **Tags** **Suites**

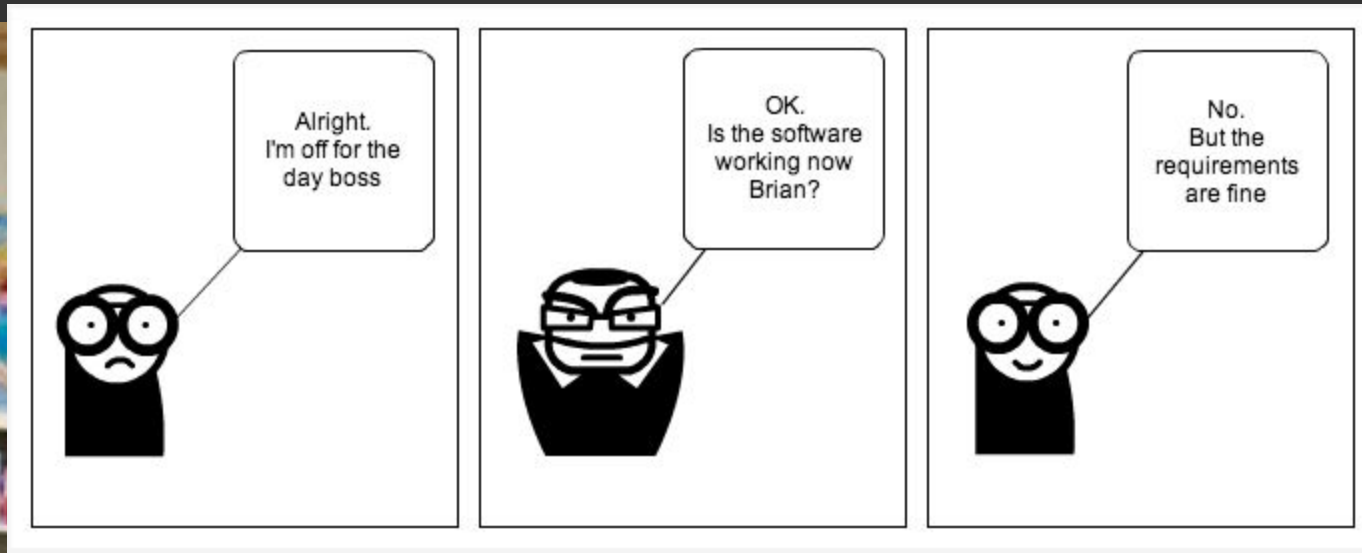
Type: ☒ Critical Tests ☐ All Tests

Status: 1 total, 1 passed, 0 failed

Total Time: 00:00:03.646

Name	Documentation	Tags	Crit.	Status	Message	Elapsed	Start / End
Valid Login: Valid Login			yes	PASS		00:00:03.646	20130308 17:36:37.522 20130308 17:36:41.168

THE TESTS ARE SPECIFIED IN BUSINESS DOMAIN TERMS



*Our work is the presentation of
our capabilities.*
Edward Gibbon

[http://about.att.com/content/dam/snr/MediaKits/banner_2013_SMB_tech_poll.j](http://about.att.com/content/dam/snr/MediaKits/banner_2013_SMB_tech_poll.jpg)

SHARED UNDERSTANDING OF WHAT WE ARE ACTUALLY BUILDING (ELISABETH HENDRICKSON)



*Good words are worth
much, and cost little.*
George Herbert

http://commons.wikimedia.org/wiki/File:Understanding_in_Xian_0546.jpg

TEST PROJECT AND CODE EXAMPLES

Test project: <https://github.com/banovotz/RFdemo>

Code examples: <https://github.com/banovotz/RFdemo-tests>



davor@shoutem.com

@banovotz