

ACCEPTANCE TESTING

Deploy with Confidence

RoadMap

- What's the issue?
- What is Acceptance testing?
- How do I create and run tests?
- What are the benefits?
- Questions and comments.

What's the issue?

- As a developer, you write code, compile code, and test code. Wash, rinse, and repeat.
- It could be a piece of code that effects multiple pages. Did you miss something? Did you break something else? Did another developer change something related? Did the end user fully test it?
- Do you lay awake at night?



What is Acceptance testing?

- Acceptance testing involves running a suite of tests on an application.
- Each individual test is known as a case.
- A test case will result in a **pass** or **fail** outcome.
- The test results are compared against the expected results. All tests should pass.
- The tests should meet all conditions previously agreed between the sponsor and the manufacturer.

How do I create and run tests?

- It's often difficult and time consuming to code your own tests.
- Fortunately, there are now tools to allow recording, editing, and debugging tests.
- Two such tools are Selenium IDE and Badboy.

<http://selenium.openqa.org/> (Mozilla plug-in, free)

<http://www.badboy.com.au/> (Standalone, 1 users = \$45)

Some test tools are free, some require a license.

Badboy

The screenshot shows the Badboy web browser interface. The window title is "Script2.bb - Badboy". The address bar shows a URL: "http://[redacted]:8120/CGI-BIN/LANSAWEB?WEBEVENT+LOF98C42E21B2E000C024071+DEV+ENG+hw[A0020]:~12".

Script Panel (Left):

- Test Suite 1
 - Test 1
 - Step 1
 - http://c :8120/
 - /CGI-BIN/LANSAWEB?PROCFUN+...
 - Check for text "<FONT color=#fff"
 - /CGI-BIN/LANSAWEB?WEBEVENT+...
 - Check for text "matches were four"
 - Check for text "9780787966218"
 - /CGI-BIN/LANSAWEB?WEBEVENT+...
 - Check for text "Weinstein"
 - Check for text "Baseball Coach's 5"
 - Test 2
 - Step 1
 - /CGI-BIN/LANSAWEB?PROCFUN+...
 - /CGI-BIN/LANSAWEB?WEBEVENT+...

Summary Panel (Bottom Left):

Summary			
Played	7	Assertions	0
Succeeded	7	Warnings	0
Failed	0	Timeouts	0
Avg Time (ms)	2339	Max Time (ms)	6540

Main Content Area (Right):

webBPM - COMPOSITION [My Profile](#) [Help](#) [Home](#)

User Name: Allsop, Mark Pub Group: Higher Education 11 July, 2008

[Review > Edit Project Record] [Done](#)

▶ Core Title: Anne Lindsay's Smart Cooking Author: Lindsay ISBN: 9780771573897 Status/PPC: F / F

Enter ISBN: [Search](#) Select Printing Number: 1 [Search](#)

Project Record Home Page

Composition General Info	✓ Go	Composition Schedule	✓ Go
Composition History	✓ Go	Cover Schedule	Go
General Title Info	Go	XML Schedule	Go

[Done](#)

NUM Idle

What are the benefits?

- ❑ Automated testing per application.
- ❑ Small learning curve.
- ❑ Tests are saved and can be re-run.
- ❑ Tests can be edited, added or removed.
- ❑ Anyone can run the tests once they are written.
- ❑ You'll know if other parts of the system are still working.
- ❑ You'll sleep better. 😊

Discussion / References

- Questions or comments?
- Mark Allsop, [support at mallsop dot com]
- http://en.wikipedia.org/wiki/Acceptance_testing
- <http://www.objectmentor.com/>
- <http://selenium.openqa.org/>
- <http://www.badboy.com.au/>

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