

Behat Cheat Sheet

pear channel-discover pear.symfony.com

pear channel-discover pear.behat.org

pear install behat/behat

by blog.lepine.pro - MIT Licence

Command line (behat)	
--init	Create the <i>features</i> directory
--config=fichier.yml	Use config file
--format=html -out=report.html	Html Report
--expand	Display details
--story-syntax --lang=fr	In French
--tags='@group1,@group2'	Run tests on groups

Feature
Feature: Descriptive text of what is desired In order to realize a named business value As an explicit system actor I want to ...
Scenario: Some determinable business situation
Given some precondition
And some other precondition
When some action by the actor
And some other action
And yet another action
Then some testable outcome is achieved
And something else we can check happens too
Scenario: A different situation

Behat in two words
Behat automates the "acceptance testing" of the agile methodology "Scrum". Each test is written in natural language with the Gherkin syntax.
A feature is described by a <code><my-feature.feature></code> file. A feature is a set of cases, called " Scenarios ".
Each scenario is defined by:
- Context (Given)
- Triggering events (When)
- An expected result (Then)

Use examples

Scenario Outline: Some determinable business situation

Given I have <initialAmount> euros

When I add <money> euros

Then I should have now <finalAmount> euros

Examples:

initialAmount	money	finalAmount	
15	5	20	
40	10	50	
20	5	25	

Web apps (Mink)	
Surf:	Assertions:
I am on "url"	I should see "content"
I go to "url"	the response should contain "content"
I reload the page	I should not see "content"
I move backward one page	the response should not contain "content"
I move forward one page	the "form_element" field should contain "value"
I press "button"	the "form_element" field should not contain "value"
I follow "link"	the "form_checkbox" checkbox should be checked
Forms:	the "form_checkbox" checkbox should not be checked
I fill in "form_element" with "value"	I should be on "page"
I fill in "value" for "form_element"	the url should match "url"
I fill in the following	the "num_position" element should contain "value"
I select "form_option" from "form_select"	I should see "value" in the "element" element
I additionally select "form_option" from "form_select"	I should see an "element" element
I check "form_checkbox"	I should not see an "element" element
I uncheck "form_checkbox"	I should see number "element" elements
I attach the file "/path/file.file" to "form_file"	the response status code should be code

Mink Cheat Sheet

by blog.lepine.pro - MIT Licence

pear channel-discover pear.symfony.com

pear channel-discover pear.behat.org

pear install behat/mink-beta

Session	
<pre>\$session = new \Behat\Mink\Session(\$driver); \$session->start(); // start \$session->reset(); // soft-reset: \$session->restart(); // hard-reset:</pre>	
From the main context: <pre>\$session = \$this->getSession();</pre>	
From a sub-context: <pre>\$session = \$this->getMainContext()->getSession();</pre>	
isStarted()	Checks whether session was started
start()	Starts session
stop()	Stop session
restart()	Restart session
reset()	Reset session
getPage()	Returns page element
getSelectorHandler()	Returns Selector Handler
visit(\$url)	Visit specified URL
setBasicAuth(\$u,\$p)	HTTP Basic authentication
setRequestHeader(\$n,\$v)	Set request header
getResponseHeaders()	Get all response headers
setCookie(\$n,\$v)	Sets cookie
getCookie(\$n)	Returns cookie
getStatusCode()	Returns response code
getCurrentUrl()	Returns current URL
reload()	Reload current page
back()	Moves backward
forward()	Move forward
executeScript(\$script)	Executes javascript
evaluateScript(\$script)	Returns javascript' response
wait(\$time, \$condition)	Waits some time or until javascript condition is true

Available drivers
Goutte : https://github.com/fabpot/Goutte
Sahi : http://sourceforge.net/projects/sahi/
Zombie : http://zombie.labnotes.org/
Selenium (1 & 2) : http://seleniumhq.org/

Elements
<pre>\$el->has(\$selector, \$locator) \$el->find(\$selector, \$locator) \$el->findAll(\$selector, \$locator) \$el->getText() \$el->getHtml()</pre>

HTML nodes	
<pre>\$el->isVisible() \$el->getValue() \$el->getTagName() \$el->getXpath() \$el->hasAttribute(\$name) \$el->getAttribute(\$name)</pre>	Events: <pre>\$el->click() \$el->doubleClick() \$el->rightClick() \$el->mouseOver() \$el->focus() \$el->blur() \$el->dragTo(\$element)</pre>
Forms: <pre>\$el->press() \$el->check() \$el->unchecked() \$el->isChecked() \$el->selectOption(\$option, \$multiple) \$el->attachFile(\$path) \$el->keypress() \$el->keyDown() \$el->keyUp()</pre>	

Default parameters <behat.yml>
default: context: parameters: default_session: goutte javascript_session: sahi base_url: http://localhost browser: firefox goutte: zend_config: adapter: Zend\Http\Client\Adapter\Proxy proxy_host: host.com proxy_port: 8080 sahi: host: localhost port: 9999 zombie: host: 127.0.0.1 port: 8124 node_bin: node auto_server: true selenium: host: localhost port: 4444 webdriver: host: http://localhost:4444/wd/hub