PluginCasperJS

New to [Tiki17](#). This new [wiki plugin](#) allows to use "CasperJS" in Tiki, which is a navigation scripting & testing utility for PhantomJS and SlimerJS (still experimental). It eases the process of defining a full navigation scenario and provides useful high-level functions, methods & syntactic sugar for doing common tasks. See more information at [PhantomJS and CasperJS](#)

Parameters

Enable running CasperJS scripts from this Tiki site.
Introduced in Tiki 17.
[Go to the source code](#)
Preferences required: wikiplugin_casperjs

Parameters
(body of plugin) - text
no parameters

How to use the code

- Install Package (jerome-breton/casperjs-installer)
- Enable casper (pref wikiplugin_casperjs)
- Create a tiki page with the following content:

```
{CASPERJS()} {SOURCE()} var casper = require('casper').create(); var links; function getLinks()
{ // Scrape the links from top-right nav of the website var links =
document.querySelectorAll('ul.navigation li a'); return Array.prototype.map.call(links, function
(e) { return e.getAttribute('href') }); } // Opens casperjs homepage
casper.start('http://casperjs.org/'); casper.then(function () { links = this.evaluate(getLinks);
tikiBridge.add('links', links); }); {SOURCE} {CASPERJS}
```

- Run it ðŸ˜Š

What works

Currently, it runs casperjs, and display back to the user:

- The (full) script that was run
- The output of the command line
- The results from the casperjs execution, using TikiBridge (is injected into the CasperJS script

as a easy way to send results back to tiki).

How does the TikiBridge works:

- Before running the script it prefix and postfix the CasperJS script with some JS code (the TikiBridge)
- You can send variables back to Tiki by calling `TikiBridge.add('variable_name', variable)`
- At the end of the script (is appended) a call to `TikiBridge.done` that will format the variables to be sent back to tiki.

Next Steps

- Discuss specific implementations to see how to use this data and what is needed to make it useful to a tiki instance.
- Make some profiles

Examples

Taking Screenshots with CasperJS

In a Tiki Page, use the following code:

```
{CASPERJS()} {SOURCE()} var casper = require('casper').create();
casper.start('https://dev.tiki.org/Development', function() {
casper.capture('screenshots/tiki_dev.png'); this.echo('File saved in
TIKI_ROOT/screenshots/tiki_dev.png'); }); casper.run(); {SOURCE} {CASPERJS}
```

Click on Execute CasperJS script and the screenshoot will be stored in "TIKI_ROOT/screenshots", with "tiki_dev.png" filename

Output

```
Console Output
$ /var/www/localhost/bin/casperjs '/var/tmp/casperjs-script-asC4OW'
File saved in TIKI_ROOT/screenshots/tiki_dev.png
```

Click to expand

Fetch page Titles with CasperJS

In a Tiki Page, use the following code.

```
{CASPERJS()} {SOURCE()} var casper = require('casper').create();
casper.start('https://tiki.org/HomePage', function() { this.echo('https://tiki.org/HomePage page
title:' + this.getTitle()); }); casper.thenOpen('https://dev.tiki.org/Development', function() {
this.echo('https://dev.tiki.org/Development page title:' + this.getTitle()); }); casper.run();
{SOURCE} {CASPERJS}
```

Output

```
Console Output
$ /var/www/localhost/bin/casperjs '/var/tmp/casperjs-script-SDjvOI'
https://tiki.org/HomePage⤢ page title:HomePage | Tiki Wiki CMS Groupware :: Community
https://dev.tiki.org/Development⤢ page title:Development | Tiki Wiki CMS Groupware :: Development
```

Click to expand

Scrape Google and get results Title Tags with CasperJS

In a Tiki Page, use the following code:

```
{CASPERJS()} {SOURCE()} var titleTags = []; var casper = require('casper').create(); function
getLinks() { var titleTags = document.querySelectorAll('h3.r a'); return
Array.prototype.map.call(titleTags, function(e) { return e.innerText; }); } // Set user-agent to
render page like chrome casper.userAgent('Mozilla/5.0 (Windows NT 10.0; Win64; x64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/70.0.3538.77 Safari/537.36');
casper.start('http://google.com/', function() { // Wait for the page to be loaded
this.waitForSelector('form[action="/search"]'); }); casper.then(function() { // search for 'tikiwiki
groupware' from google this.fill('form[action="/search"]', { q: 'tikiwiki groupware' }, true); });
casper.then(function() { // aggregate results for the 'tikiwiki groupware' search titleTags =
this.evaluate(getLinks); }); casper.run(function() { this.echo(titleTags.length + ' Title Tags
found:'); this.echo(' - ' + titleTags.join('\n - ')).exit(); }); {SOURCE} {CASPERJS}
```

Output

```
Console Output
$ /var/www/localhost/bin/casperjs '/var/tmp/casperjs-script-twoqla'
6 Title Tags found:
 - Demo
 - Introduction
 - Download
 - Installation
 - Documentation
 - Features
```

Click to expand