Automated checks on the Tiki code base

Most of these are now done via https://gitlab.com/tikiwiki/tiki/blob/master/.gitlab-ci.yml

We are planning to add a Continuous Integration system for Tiki. This system will permit an automated test of common issues. And thus, make the release process quite a bit easier. See also: How to improve the release process

Please add your wishes below

Database schema patches suffix should be _tiki.sql or _tiki.php

Also, if a _tiki.sql was added without a change to tiki.sql, there is likely an issue.
See Database Schema Upgrade

Update vs clean install database check

Compare (at least the structure of) a clean install from tiki.sql with previous (LTS?) version with upgrade patches applied

The colon should be in the tr block

-------- Forwarded message --------
From: Cloutier, Philippe
Date: Mon, Aug 14, 2017 at 10:27 AM
Subject: Re: [Tikiwiki-cvs/svn] SF.net SVN: tikiwiki:[63536]
trunk/templates/search/rebuild.tpl
To: rjsmelo
Cc: CVS/SVN commits information

Thanks for this commit and the other one Ricardo.
The colon should be in the tr block, otherwise, there cannot be a space before the colon in French (and possibly other languages). Note that this cannot increase the number of strings that translators have to translate, because translating "foo:" will use a translation of just "foo" if there is no direct translation of "foo:"

> -----Message d'origine-----
> De : rjsmelo--- via Tikiwiki-cvs [mailto:tikiwiki-cvs@lists.sourceforge.net]
> Envoyé : 13 août 2017 19:56
> À : tikiwiki-cvs@lists.sourceforge.net
> Cc : rjsmelo@users.sourceforge.net
> > Revision: 63536
> > http://sourceforge.net/p/tikiwiki/code/63536
> > Author: rjsmelo
dos2unix

find . -type f \(! -regex '.*/\..*' ! -path './vendor*' ! -path './temp*' ! -iname '*.png' ! -iname '*.jpg' ! -iname '*.gif' \) | xargs dos2unix


Above line fixes, BOM encoding, Detect BOM in a Tiki health check and in release process, convert to Unix EOL and fixes other invisible weirdness; without touching externals.

Check the presence of index.php and .htaccess in all relevant directories

But don't touch externals...

Check for empty directories

Check PHP & Smarty Syntax, etc.

For target versions of PHP
  - Also JSLint and some sort of tests for minified javascript (somehow)
Unit Testing Cleanup

Re-indexing Fail Test

The re-indexing touches many parts of the code and is fragile because of this. It presents a unique opportunity to catch errors early.