

# Visual Regression Testing

*Unter einem Regressionstest (von lateinisch regredior, regressus sum „zurückschreiten“) versteht man in der Softwaretechnik die Wiederholung von Testfällen, um sicherzustellen, dass Modifikationen in bereits getesteten Teilen der Software keine neuen Fehler ("Regressionen") verursachen.*

<https://de.wikipedia.org/wiki/Regressionstest>

# Kunde: „Bitte ändere die <UL>“

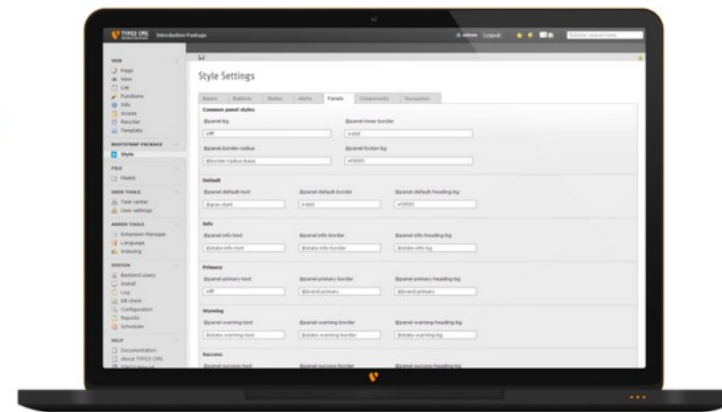
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## Make it your own

This distribution is developed to help you getting an easy entry into TYPO3 CMS. It can be used as an example to play around or to kickstart your own projects.

### Included features of the Introduction Package

- TYPO3 CMS custom theme for Twitter Bootstrap
- Customize the theme via LESS editor backend module
- All Content Elements mapped to fit Twitter Bootstrap
- Example additional content elements for carousel and accordion
- All settings editable via the TypoScript constant editor
- Responsive images enabled



# Entwickler: „OK, schon fertig“

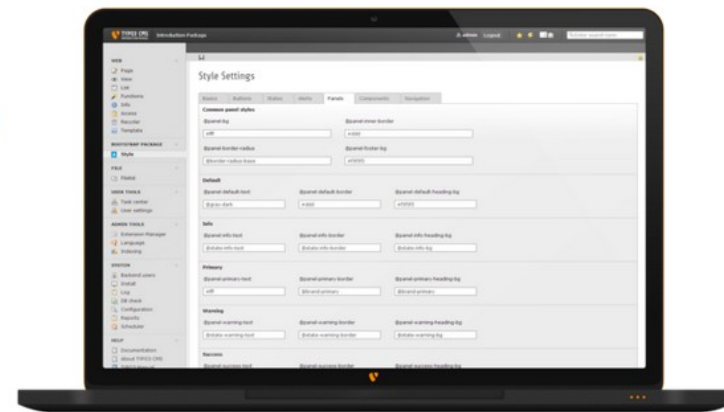
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# Kurz danach: „Oh, verdammt...“

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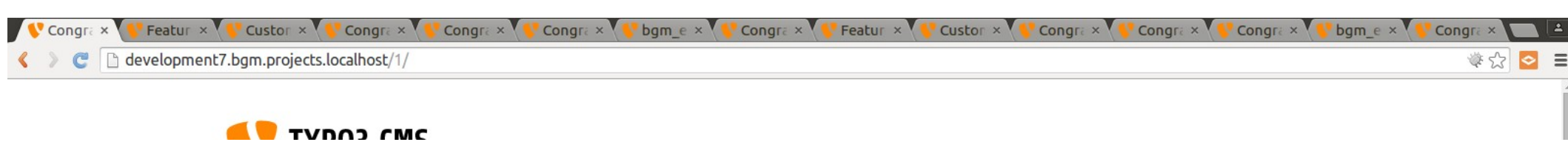
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# Manuelles testen mit Tabs



# Einsatzszenarien

TYPO3-Updates  
Extension-Updates  
Neue Unterseiten  
Systemwechsel

# Tools

Wraith

Huxley

BackstopJS

dpxdt

PhantomCSS

# PhantomCSS

A **CasperJS** module for automating visual regression testing with **PhantomJS** or **SlimmerJS** and **Resemble.js**. For testing Web apps, live style guides and responsive layouts.

**PhantomJS** is a headless **WebKit** scriptable with a JavaScript API. It has fast and native support for various web standards: DOM handling, CSS selector, JSON, Canvas, and SVG.

**SlimmerJS** is similar to PhantomJS, except that it runs on top of **Gecko**, the browser engine of Mozilla Firefox (specifically, version 31), instead of Webkit, and is not yet truly headless.

**CasperJS** is a navigation scripting & testing utility for PhantomJS and SlimmerJS written in Javascript.

**Resemble.js** analyses and compares images with HTML5 canvas and JavaScript.

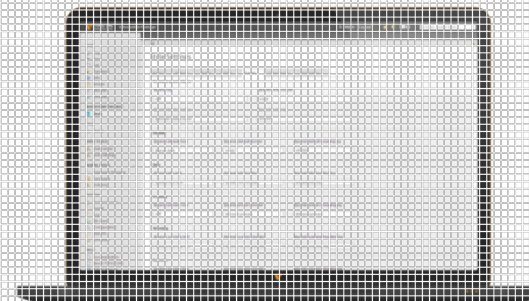


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# Fragen?

[https://github.com/bgm-gmbh/  
visual-regression-testing](https://github.com/bgm-gmbh/visual-regression-testing)

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