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Living Styleguide in your Drupal projects: Benefit from component driven design
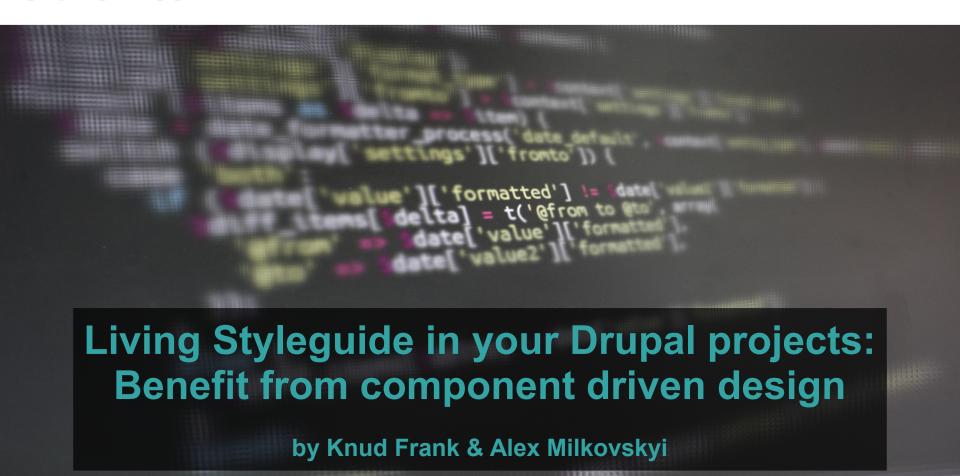
by Knud Frank & Alex Milkovskyi

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What is a styleguide?

A style guide (or manual of style) is a **set of standards** for the writing and design of documents, either for general use or for a specific publication, organization, or field.

From Wikipedia, the free encyclopedia

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Universal Goals of Styleguide Driven Development

- Properly factor the frontend codebase so future changes are straightforward and decoupled from each other.

- Build a proper documentation of the website design, which is always up-to-date.

- Enable all members of the team to pair on its creation, maintenance and evolution.

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Make your customer happy

- **Design Documentation**

  Photoshop, PDF, Word, Excel

- **Static Style Guides**

  Manually maintained Websites

- **CSS Documentation**

  KSS, JSDoc

- **Living Style Guides**

  Pattern Lab, Pattern Primer, Fabricator

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Pattern Lab

Pattern Lab is an interactive, responsive style guide organized around "Atomic Design" principles.

- **Nested patterns**

- **Design with dynamic data**

- **Versatile**
  Simple rapid prototyping or develop production-level frontend code.

- **Extensible**
  Choose your own templating engine to better match your production environment.

Component driven design

Components are the **reusable chunks** of web sites, like headers and footers.

They can range in **size** and **complexity** from small (buttons, images, links), medium (header, footer, cards) to large (article lists page template, photo gallery) components.

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Component driven design

Base

Base-setup like colors, breakpoints and styling of elements. Template files in base are just for demonstration purposes.

Atoms

Small, re-usable components - like links, buttons or specific form elements.

Site elements

Contains various site elements like menus and breadcrumbs.

Layouts

Contains re-usable layouts.

Site regions

Contains components that represent complete site-regions and typically consist of smaller site-elements; e.g. header, footer or a sidebar.

Content

Various content elements; i.e. all the editorial content, its various display variants and listings of it.

Pages

Complete pages, showing some preview content.

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Component driven design, Twig & Drupal

- Component driven design with **PatternLab** and **Twig** templates.

- Drupal theming with **Twig** templates.

- Stylesheets with **SASS**.

  Once the templates are ready for production, they can easily be connected to Drupal by using simple Twig functions in the Drupal templates to include, extend or embed the component files.

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Our setup

Lupus Assets Mix repo

- Laravel Mix

- Webpack 2

- Pattern Lab frontend

Prerequisites

- Node 6.10.* (LTS boron) or later is required

- Optional: Manage node versions using NVM

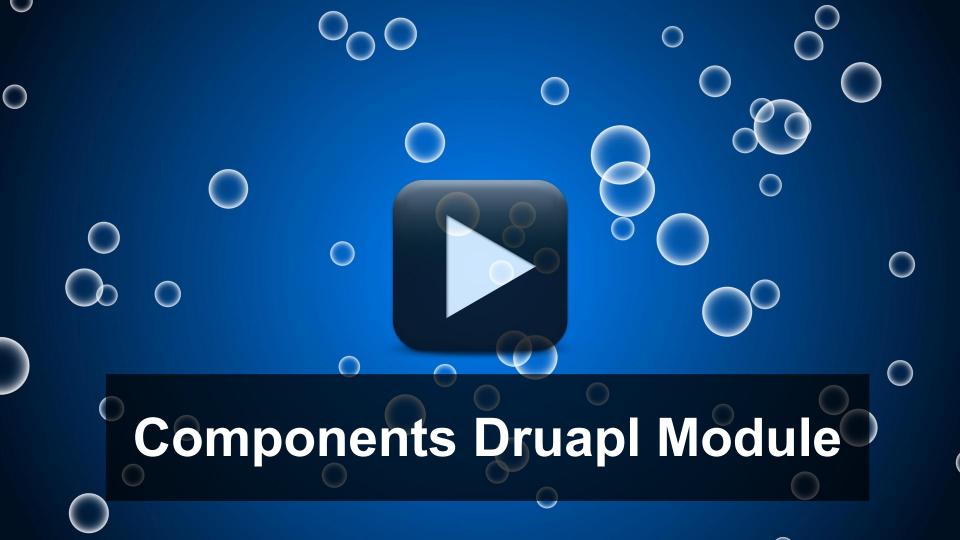- Run only once
  `npm install`

Get it to work

- Build the theme:
  `script/build.sh`
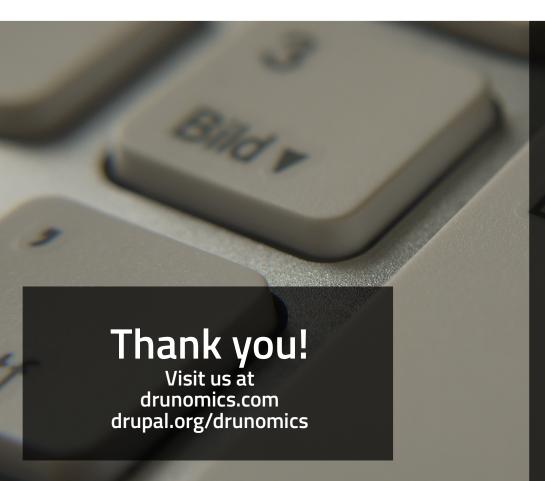
- Build the theme and react on changes
  `npm run dev:pl`

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Folders Structure

Logo in Pattern Lab

Logo in Drupal

Components Druapl Module

Article List

Ressources

Lupus Assets Mix repo

https://github.com/drunomics/lupus-assets-mix

Laravel mix documentation

https://laravel.com/docs/5.4/mix

Webpack 2 documentation

https://webpack.js.org/concepts

Twig documentation

https://twig.sensiolabs.org/doc/2.x

https://tfd7.rocks

Pattern Lab

http://patternlab.io

Thank you!
Visit us at
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Questions?
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