

Drupal 8 for Designers

Overcoming Octophobia

FORUM ONE



FORUM ONE

A FULL-SERVICE DIGITAL AGENCY THAT
CRAFTS SOLUTIONS FOR THE WORLD'S
MOST INFLUENTIAL PROBLEM SOLVERS.



FORUM ONE

Drupal 8 Terms

A close-up photograph of a woman with dark skin and long, dark, braided hair. She has a wide-eyed, shocked expression, with her mouth slightly open. She is wearing a light-colored, possibly yellow or beige, garment. The background is dark and out of focus.

What did you say?

Anonymous



Authenticated

I changed all my passwords to “Incorrect”.

So whenever I forget it will tell me
“Your password is Incorrect”!



Administrator

Don't underestimate the power of Drupal!



Block



Content

I don't always write content.
But when I do...

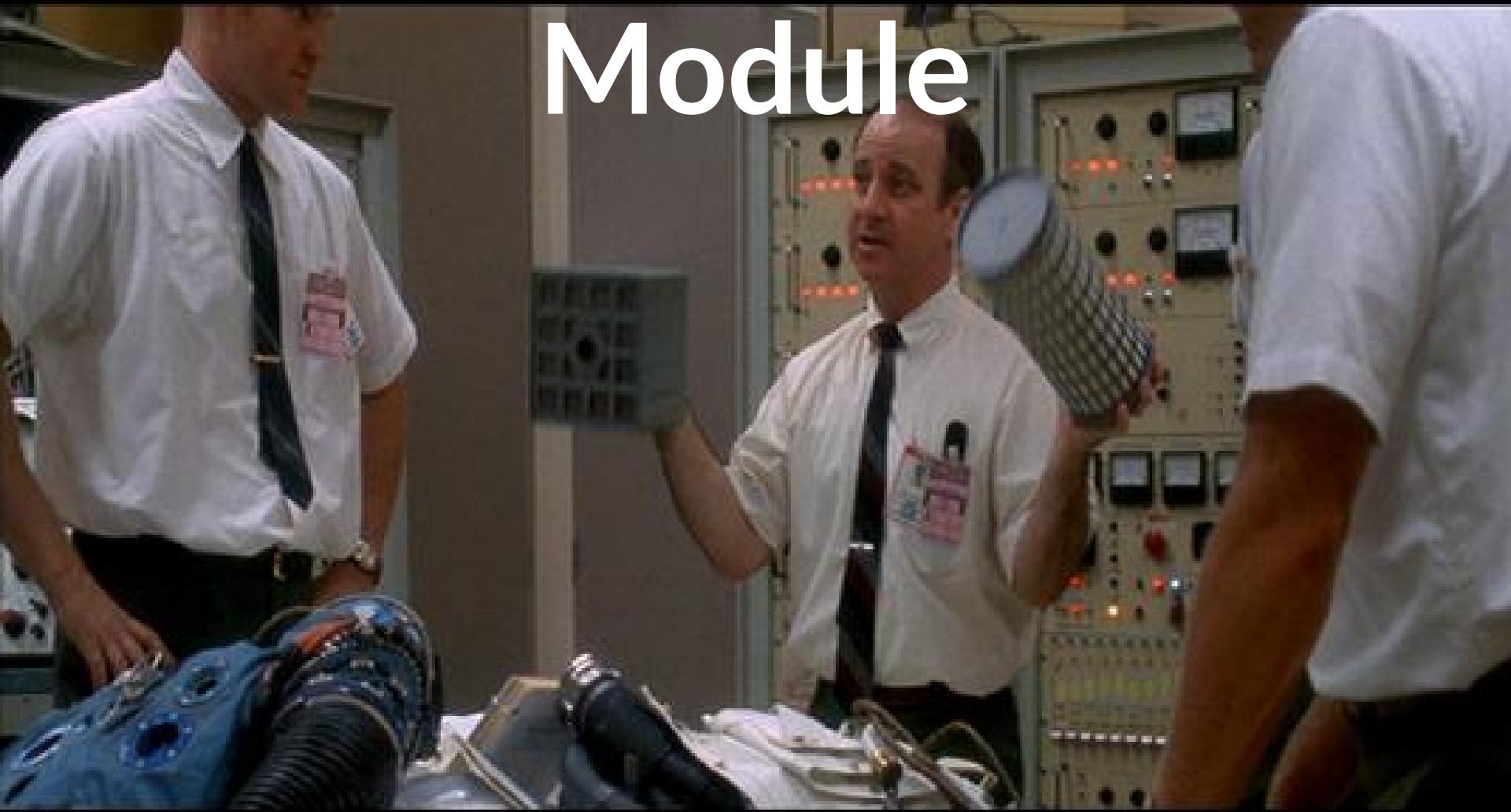


Field

Build it and they will come...



Module





Node

Move along, these are not the nodes
you are looking for...

Page

ERROR 404

Page not available. But Justin is.

Justin is a Mint developer who likes slow cars, sharp crayons, reheated pizza and awkward silence. Email him at [justin \[at\] mint.com](mailto:justin [at] mint.com).

But if you're more interested in personal finance than in Justin, try the links below:



Personal Finance
Solution
Mint.com



Personal Finance
Mobile Apps
Overview
iPhone
Android



Personal Finance
Blog
MintLife



Permissions

Server Error in '/' Application.

Object reference not set to an instance of an object.

Description: An unhandled exception occurred during the execution of the current web request. Please review the stack trace for more information about the error and where it originated in the code.

Exception Details: System.NullReferenceException: Object reference not set to an instance of an object.

Source Error:

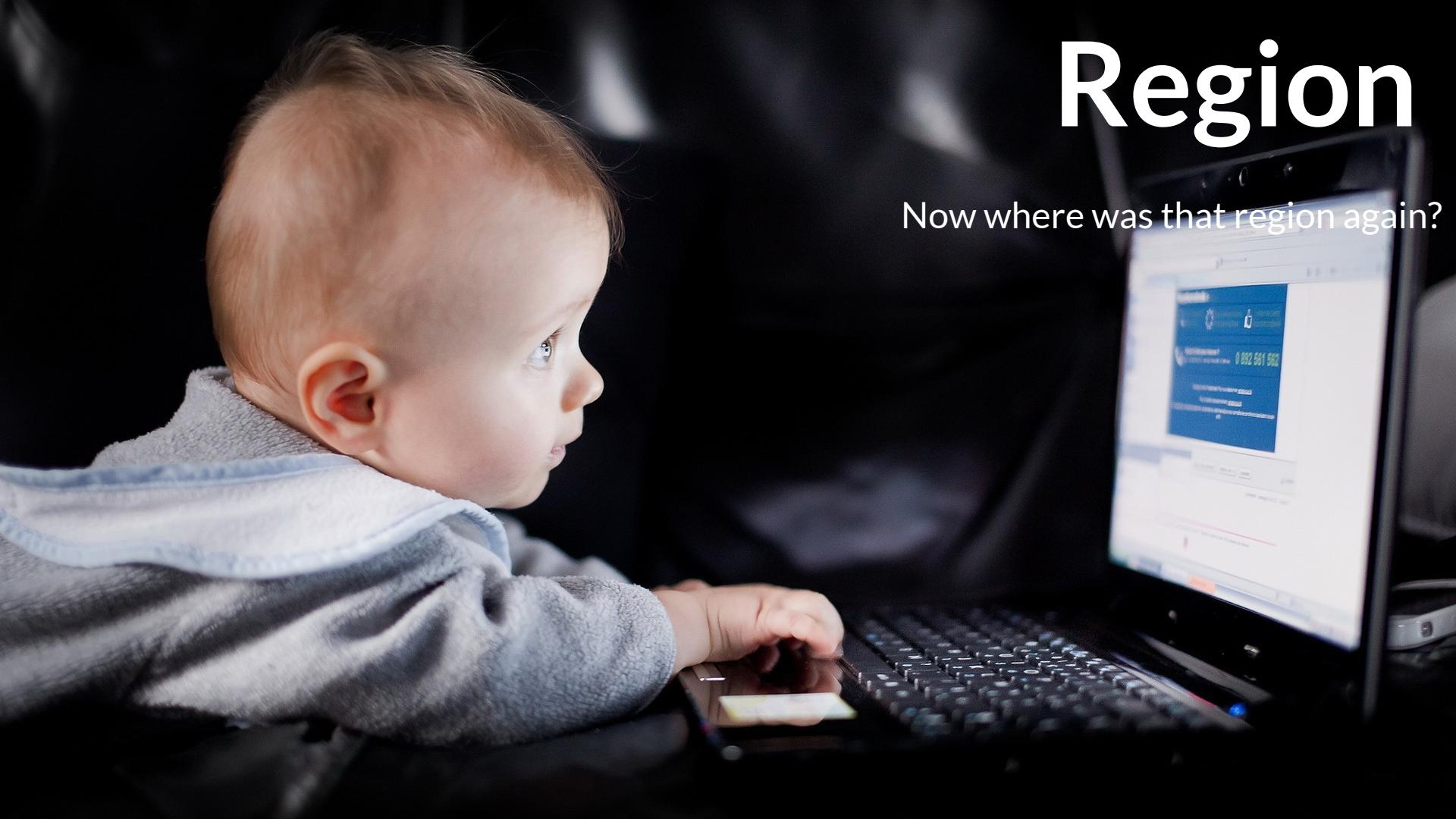
An unhandled exception was generated during the execution of the current web request. Information regarding the origin and location of the exception can be identified using the exception stack trace below.

Stack Trace:

```
[NullReferenceException: Object reference not set to an instance of an object.]
  Microsoft.SharePoint.Publishing.<>c__DisplayClass2d.<GetGroupedPageUrls>b__2a() +193
  Microsoft.SharePoint.<>c__DisplayClass4.<RunWithElevatedPrivileges>b__2() +728
  Microsoft.SharePoint.Utilities.SecurityContext.RunAsProcess(CodeToRunElevated secureCode) +27874150
  Microsoft.SharePoint.SPSecurity.RunWithElevatedPrivileges(WaitCallback secureCode, Object param) +27573225
  Microsoft.SharePoint.SPSecurity.RunWithElevatedPrivileges(CodeToRunElevated secureCode) +93
  Microsoft.SharePoint.Publishing.PublishingPage.GetGroupedPageUrls(String siteUrl, String pageUrl, String groupId) +203
  Microsoft.SharePoint.Publishing.WebControls.VariationEnumerable.System.Collections.IEnumerable.GetEnumerator() +676
  Microsoft.SharePoint.Publishing.WebControls.VariationsLabelEcbMenu.PopulateDataSource() +189
  Microsoft.SharePoint.Publishing.WebControls.VariationsLabelEcbMenu.PerformDataBinding() +57
  System.Web.UI.WebControls.HierarchicalDataBoundControl.PerformSelect() +114
  Microsoft.SharePoint.Publishing.WebControls.VariationsLabelEcbMenu.OnLoad(EventArgs e) +161
  System.Web.UI.Control.LoadRecursive() +66
  System.Web.UI.Control.LoadRecursive() +191
  System.Web.UI.Page.ProcessRequestMain(Boolean includeStagesBeforeAsyncPoint, Boolean includeStagesAfterAsyncPoint) +2428
```

Region

Now where was that region again?



Taxonomy

What category do I put this under?



Templates

html.html.twig

Page - page.html.twig

Header - region.html.twig

Content
region.html.twig

Node
node.html.twig

Sidebar
region.html.

Block
block.html.
twig

Block
block.html.
twig

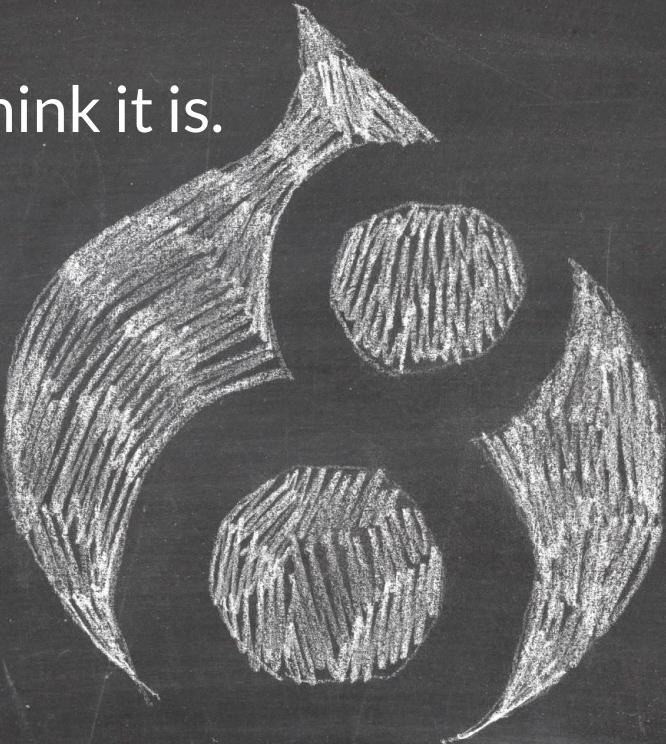
Text format

Hey get off my keys...

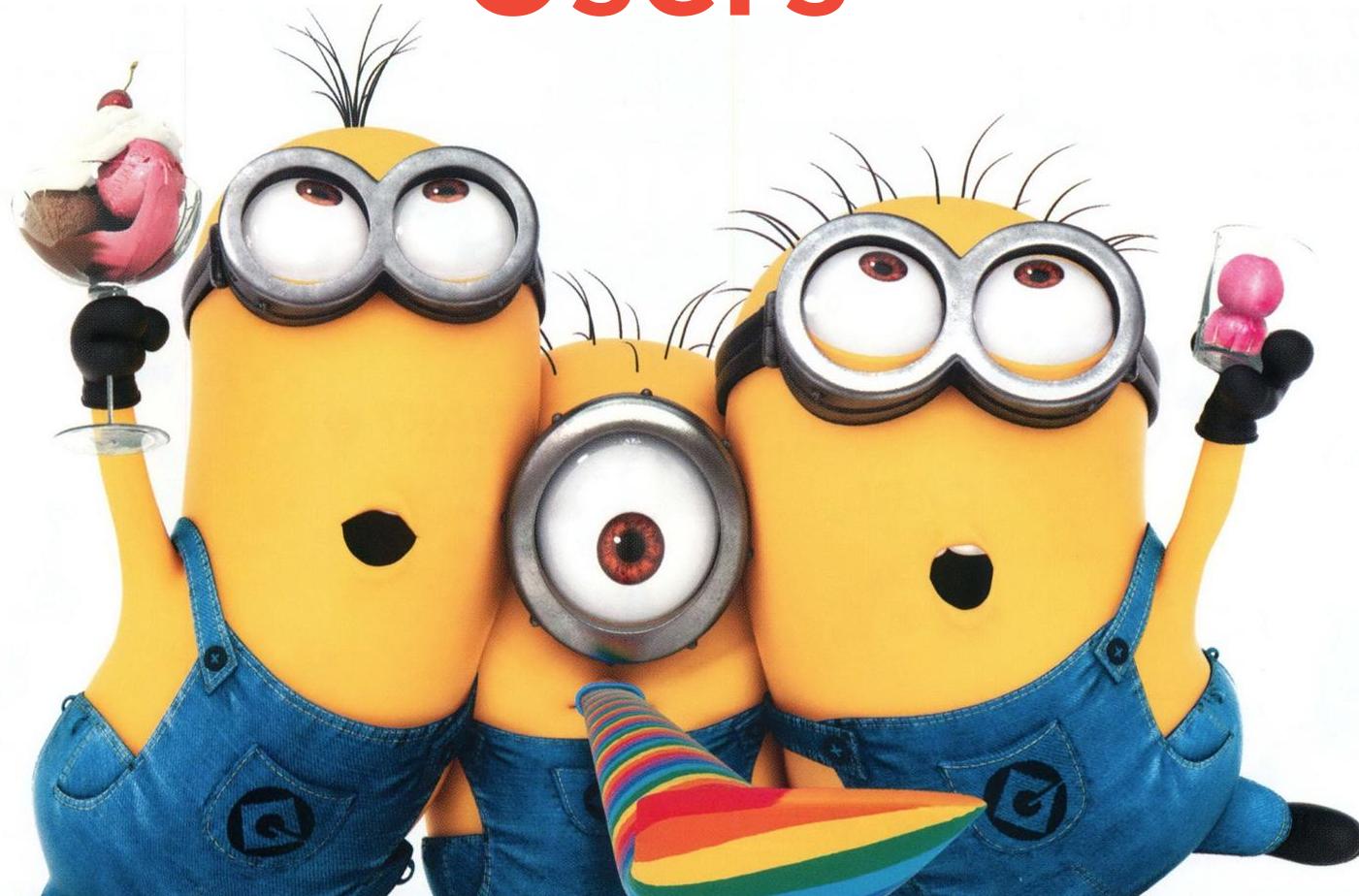


Theme

Yeah, its what you think it is.



Users



Views

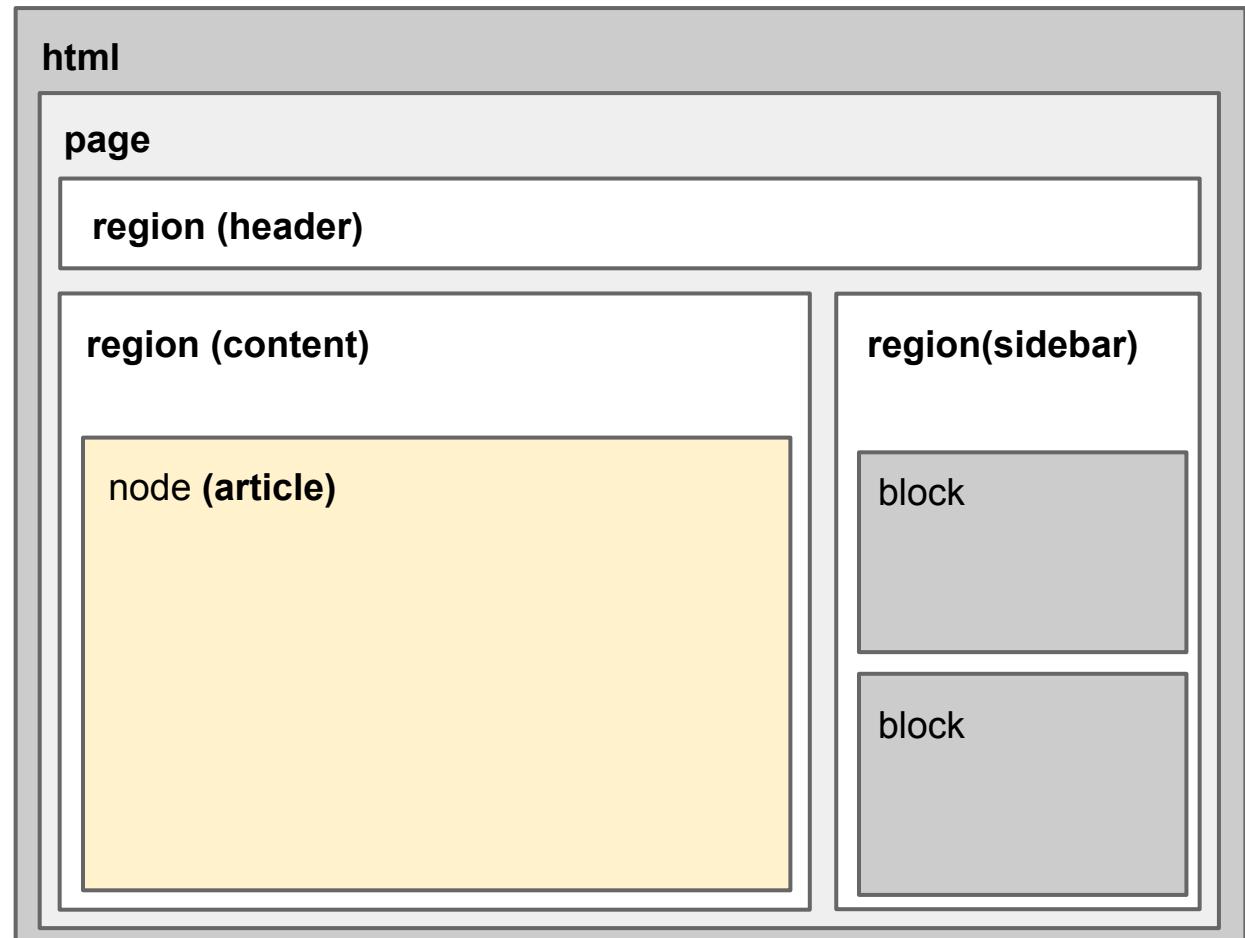
Where I wish I was at right now
instead of giving this session.
Oh! Did I say that out loud...



Dissecting a layout

Basic Structure

- html
- page
- regions
- blocks
- nodes
- fields



LOGO

TOPICS INITIATIVES LOCATIONS INNOVATIONS FUNDING RESOURCES EXPLORE

INNOVATIONS / IDEAS

+ ADD AN INNOVATION

Innovations are new ideas, technologies, or approaches for solving humanity's greatest challenges. Innovations on the Exchange can be at any stage of development from an idea to an off-the-shelf product. Find an innovation that meets your challenge here.

Filter By

Sectors

Cras justo odio 14

Dapibus ac facilisis 2

Morbi leo risus 1

Region

Country

Organization

Program

Community

Cost per Unit

Stage of Innovation



Innovation Name

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ali quam at porttitor sem. Aliquam erat volutpat...

0 12 5 6 0



Innovation Name

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ali quam at porttitor sem. Aliquam erat volutpat...

0 12 5 6 0



Innovation Name

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ali quam at porttitor sem. Aliquam erat volutpat...

0 12 5 6 0



LOGO

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PAGE

Filter By

Sectors -

- Cras justo odio** 14
- Dapibus ac facilisis** 2
- Morbi leo risus** 1

Region +

Country +

Organization +

Program +

Community +

Cost per Unit +

Stage of Innovation +

Innovation Name

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ali quam at porttitor sem. Aliquam erat volutpat...

0 12 5 6 0

Innovation Name

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ali quam at porttitor sem. Aliquam erat volutpat...

0 12 5 6 0

Innovation Name

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0 12 5 6 0

Innovation Name

12 5 6 0

Innovation Name

12 5 6 0

Innovation Name

12 5 6 0

Regions

LOGO

TOPICS INITIATIVES LOCATIONS INNOVATIONS FUNDING RESOURCES EXPLORE ▾

INNOVATIONS / IDEAS

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REGION

Filter By

Sectors

Cras justo odio
Morbi leo risus

REGION

- Region
- Country
- Organization
- Program
- Community
- Cost per Unit
- Stage of Innovation



Innovation Name

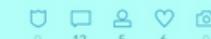
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ali quam at porttitor sem. Aliquam erat volutpat...



REGION

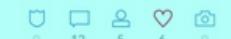
Innovation Name

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ali quam at porttitor sem. Aliquam erat volutpat...



Innovation Name

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ali quam at porttitor sem. Aliquam erat volutpat...



Blocks

LOGO TOPICS INITIATIVES LOCATIONS INNOVATIONS FUNDING RESOURCES EXPLORE ▾

INNOVATIONS / IDEAS BLOCK

Innovations are new ideas, technologies, or approaches to solving humanity's greatest challenges. Innovations on the Exchange can be at any stage of development from an idea to an off-the-shelf product. Find an innovation that meets your challenge here.

+ ADD AN INNVENTION



Filter By

Sectors

- Cras justo odio 14
- Morbi leo risus

Region

Country

Organization

Program

Community

Cost per Unit

Stage of Innovation



Innovation Name

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ali quam at porttitor sem. Aliquam erat volutpat...

0 12 5 6 0



Innovation Name

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ali quam at porttitor sem. Aliquam erat volutpat...

0 12 5 6 0



Innovation Name

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ali quam at porttitor sem. Aliquam erat volutpat...

0 12 5 6 0



Nodes

ABOUT THIS INNOVATION

Innovation Stats

Funding Goal:	\$000,000,000,000	Created in:	India
Implemented in:	Ghana	Implemented in:	Ghana
Solution Type:	Behavior Change Technology	Sectors:	Uganda
Project Stage:	Idea	Related Programs:	Clean Energy Sector
Cost per Unit:	\$000		
Testing Phase:	Phase 1		

NODE

Next Steps

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How it Works

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Evidence it Works

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Current Users / Testers Include

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Innovation Team



Apu Nahasapeemapetilon



Homer Simpson



Edna Krabappel



Milhouse Van Houten



William "Willie" MacMoran



Dr. Robert Underdunk Terwilliger, PhD

Funded By



Biolite



USAID



Greenlight Planet



U.S. Global Development Lab



Development Innovation Ventures (DIV)

References



Alexis Bonnell



Walter White



Jessie Pinkman

Fields

ABOUT THIS INNOVATION

Innovation Stats

Funding Goal: \$000,000,000,000

Solution Type: Behavior Change Technology

Project Stage: Idea

Cost per Unit: \$000

Testing Phase: Phase 1

Created in: India

Implemented in: Ghana

Uganda

Sectors: Clean Energy Sector

Related Programs: Grand Challenges

FIELDS

Next Steps

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How it Works

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Evidence it Works

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Current Users / Testers Include

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Greenlight Planet



U.S. Global
Development Lab



Development
Innovation
Ventures (DIV)

References



Alexis Bonnell



Walter White



Jessie Pinkman

Getting twiggy with it

What is Twig?



Twig Examples

- Variables

setting variables

```
{% set my_variable = 'DrupalGovCon' %}
```

printing variables

```
<h1>Hello {{ my_variable }}</h1>
```

Twig output

Hello DrupalGovCon

Twig Examples

- Filters

setting variables

```
{% set my_variable = 'DrupalGovCon' %}
```

Twig filter - Uppercase

```
<h1>Hello {{ my_variable|upper }}</h1>
```

Twig output

Hello DRUPALGOVCON

Twig Examples

- Control Structure

Twig markup

```
<h1>Members</h1>
<ul>
    {%
        for user in users %}
            <li>{{ user.username }}</li>
    {%
        endfor %
    }
</ul>
```

Twig output

Members

- **chazchumley**
- **mattburge**
- **williamhurley**

Twig Examples

- Debugging
- services.yml
- template suggestions
- template location

```
twig.config:  
    debug: true  
    cache: false  
  
<!-- THEME DEBUG -->  
<!-- THEME HOOK: 'region' -->  
<!-- FILE NAME SUGGESTIONS:  
    * region--before-content.html.twig  
    x region.html.twig  
-->  
<!-- BEGIN OUTPUT from  
'core/modules/system/templates/region.html.  
twig' -->  
    <div class="region"></div>
```

Asset Libraries

Configuration

- info.yml
- add CSS
- remove CSS

```
themename.info.yml
```

```
stylesheets:
```

```
  all:
```

```
    - css/styles.css
```

```
stylesheets-remove:
```

```
  - core/assets/vendor/normalize-css/normalize.css
```

Libraries

- CSS
- JavaScript

`themename.libraries.yml`

```
bootstrap:  
    version: 3.1.1  
    js:  
        vendor/bootstrap/js/bootstrap.min.js: {}  
    dependencies:  
        - core/jquery  
    css:  
        theme:  
            vendor/bootstrap/css/bootstrap.min.css: {}  
            vendor/bootstrap/css/bootstrap-theme.min.css: {}
```

`themename.info.yml`

```
libraries:  
    - themename/bootstrap
```

Strategies for UX



PLANET ARGON



Designer



developer

Architecture

Getting an understanding of your site's target users and how they will interact with the site proposes architecture challenges for Drupal out of the box.

- How will content be organized
- How will users interact with content
- Assumptions and concerns

Good design

Good design challenges developers. Don't take no as a final answer. Appreciate that you're making us think outside the box.

- Identify patterns
- Consider reusability
- Work together not apart

Patterns

Consider atomic design systems

- Pattern lab
- self documenting
- faster theming
- happier developers
- <http://patternlab.io/>



**KEEP
CALM
AND
HUG A
DEVELOPER**

THANK YOU!

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