

CONTENT DRIVEN DESIGN USING BOOTSTRAP PARAGRAPHS

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WHO AM I

SUNY ONEONTA MUSIC INDUSTRY GRAD 1995

IN WEB DEVELOPMENT SINCE 1997

NYS SINCE 2002 (DOS.NY.GOV)

ACCESSIBILITY AND USABILITY SPECIALIST

HEARING DISABILITY (BIRTH, NOT ROCK N ROLL)

CURRENT WEB TEAM LEAD (AG.NY.GOV)

SEND QUESTIONS **@GUITARISTOM** (TWITTER)

TOMATKINSBAND.COM



INTERNET ARCHIVE

WayBackMachine

BROWSE HISTORY

Overview

- * Content Driven Design: Develop your content and ideas BEFORE deciding on CMS platforms, Decoupling, Application frameworks. Consider WCAG accessibility ALWAYS.
- * Using Drupal, build with Bootstrap Paragraphs. It is astonishingly easy to present all of your content in multiple formats on one page and also in multiple areas of your site. Make your content, content. :-)
- * The Process: Build your local Environment, Create a bootstrap sub theme, install all the necessary modules and flesh out your content types.

CONTENT DRIVEN DESIGN

What is Content?

- * (Adjective) In a state of peaceful happiness -
- * (Transitive Verb) To Make someone pleased and satisfied
- * **The principled substance (as in written matter, illustrations, or media) offered by a website**

Steps to Achieve Content Nirvana

- * Research and use tools available online. Know the analytics of current visitors vs. desired audience. Time spent on this now saves development time later (\$\$\$)
- * Design studio your content, especially how it is to be organized and determine how to convert your data into the most easily understood presentation. Develop those personas!!!
<https://parisleaf.com/blog/develop-personas-web-design-studio-method>
- * <https://gathercontent.com/>
- * Assemble Content Suggestions, Related Content, SEO best practices. Make that content sausage!
- * <https://alistapart.com/article/the-hidden-work-of-content>

Content Driven Design

- * Content Editors enter content into web pages by selecting pre-formatted, A11y layout options when entering content. These reformatted layouts are based on researched information strategies completed before any content is entered into the website.
- * Naturally mobile Responsive, this enforces best practices for both content editors and web developers.
- * Takes into account the whole of a website, and how the content should reflect the key UX challenges of any website - clarity, reusability, accessibility. <https://lawsofux.com>
- * On our specific platform, its a natural evolution of Drupal - from Content types to reusable body parts based on Content types.
- * Content Driven Design is a real point of difference between Drupal and other CMS

Prototype and Prototype

- * UXPin
- * Sketch
- * Adobe XD
- * Axure
- * Bootstrap Studio
- * Bootstrap Paragraphs?

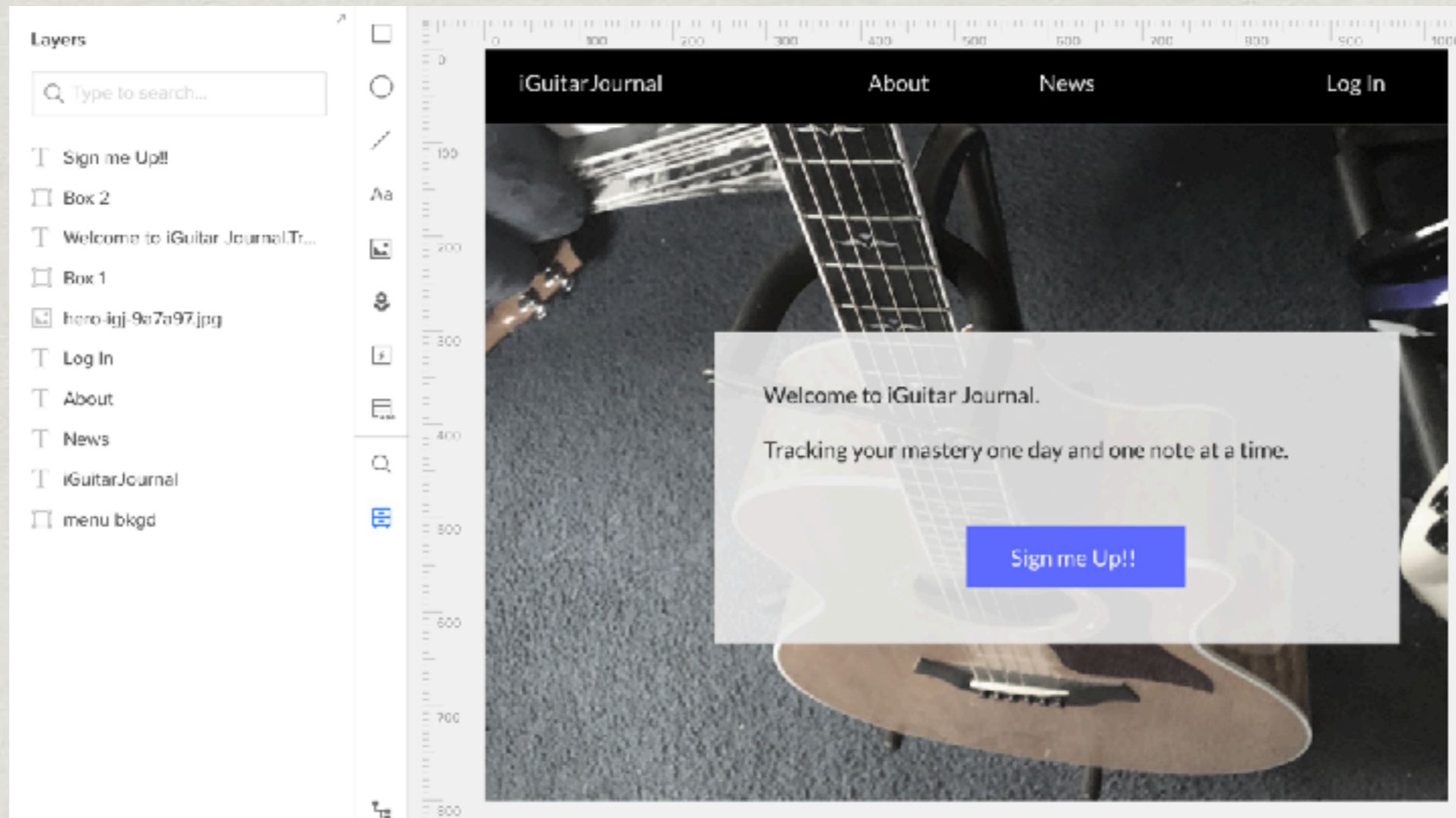
Example Content Summary

- * iGuitarJournal
- * For the guitarist who wants to improve their guitar skills.
- * A place to share tips on learning, teaching, recording and performing
- * Multiple Content types - different audiences: Beginners
- Advanced, multi-generational, multi-cultural.
- * Excel Spreadsheet all the things.

Real World

- * Need to be able to record time spent rehearsing/practicing.
- * Need to Dashboard report latest entries on sign in
- mobile app interface.
- * Social Media integration
- * Spend time customizing design/branding

iGuitar Journal prototype



Uxpin

Goals of Content Driven Design

- * Motivate your content to TEACH your visitors to be active users on your website. Hire Content Strategists to ensure you are reaching your audience in the most effective manner.
- * Always Design Content with Accessibility in Mind
Accessible design is Good Design

Helpful Suggestions

- * Prioritize Web page Real estate with the "Kindergarden Model of Organization"*
- * Activity Zones, one activity at a time
- * Visual Menu of Everything that is important, not hidden away in gigantic hidden drop menus

***"Organizing from the Inside Out - Julie Morgenstern**

Web Content Problems

- * Needs to be natively mobile/responsive - Content Editors don't know how to do this, nor should they.
- * Multiple audiences/personas often respond to content in different ways, but content needs a consistent appearance to reinforce brand identity.
- * Must give your content editors the ability to present content in multiple styles and layouts and yet still retain your branding.
- * Easy. Content Needs to be Easy to post and modify/revise.

OK TOM, I GOT MY CONTENT...

NOW WHAT?

The Drupal Bootstrap Paragraph Solution

- * Uses Open Source Bootstrap theme which is open source, has exceptional documentation, wide adoption and is completely customizable.
- * Wide adoption means its easier to onboard more developers, standardizing on the platform.
- * Easy. It's easy. Decoupling? Not as easy.

Key Sources

- * Jim Birch
- * d.o: thejimbirch
- * <https://bp.jimbir.ch>
- * Body Parts:
Freddy Wheeler



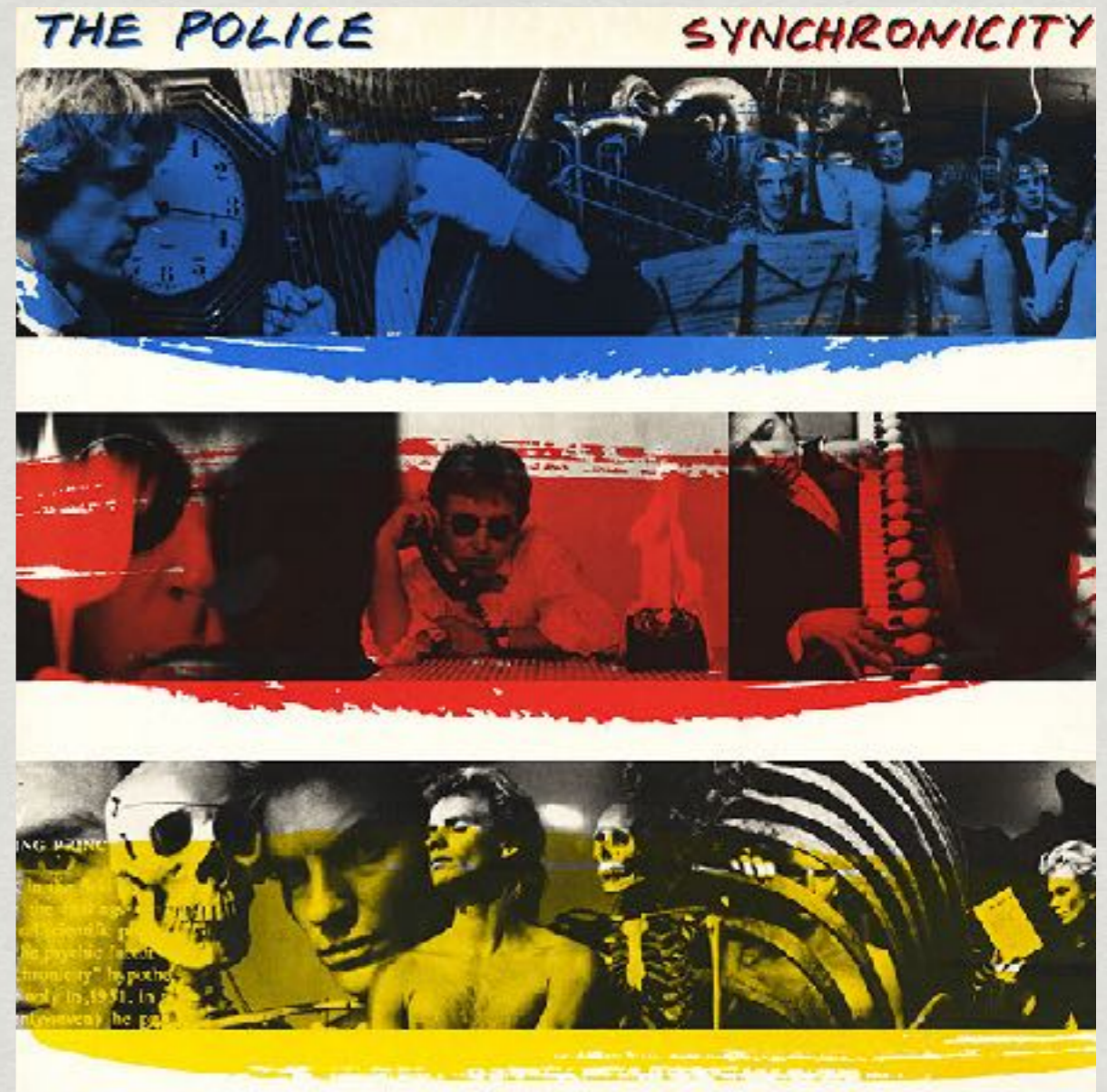
Body Parts Explained

- * Body parts are a collection of pre-formatted and professionally designed content areas that Content Editors select when creating/editing each part of the website.
- * We (Freddy) called them body parts, but in bootstrap paragraph lingo, they are layout/content bundles; "common semantically organized fields and reference fields to common entities."



Content Design = Synchronicity

- * Content Editors will enter content in an engaging and easy to understand interface, their focus is on the presentation of content from researched layout options.
- * Drupal/Web Developers Develop technical solutions for evolving content, but their focus is on web development and performance.
- * Content strategist and web development are two separate jobs that need to work seamlessly together to present a winning website.



Step 1: Paragraphs and Bootstrap Paragraphs

- * Build your local Drupal environment: Acquia Dev Desktop, Mamp, Docksal, Lando/Pantheon
- * Drush DL all the things (drush dl module --select)
dl = download
- * Composer/Symphony note: Presenter limitation
- * Or choose a Distribution demo:
<https://www.drupal.org/project/varbase>

Step 2: Quick n Dirty Bootstrap Subtheme

- * Install Bootstrap (<http://drupal.org/project/bootstrap>)
- * Drupalcoders Bootstrap Sass:
https://www.drupal.org/project/drupalcoders_bootstrap
- * Enable Drupalcoders, Drush dc "yourtheme"
- * Go to sub theme directory, (cd /(siteroot)/themes/subtheme
- * "NPM install"

Install all the other modules

- * Drush dl "module/theme" --select
Required Modules:
Bootstrap theme, bootstrap sub-theme,
entity reference revision, views reference,
paragraphs, bootstrap paragraphs, contact
formatter, inline entity form.
- * Additional D8 modules displayed: adminimal
theme (on admin side) admin menu.

Key Steps - (Demo)

- * Create Content type
- * Add new field of Type "Entity Revisions, Paragraphs"
- * Allow "unlimited" so content Editors can add more than one paragraph per node.
- * On field Edit screen, choose which bundles you want to allow for this field.

DEMO

Summary of Demo Details

- * Demonstration of key Concepts: creating content type, adding paragraphs, Removing paragraphs
- * Body Parts - Style, Layout...
- * Entering in content by example
- * Additional future uses - Full size background images, Full size video backgrounds ...

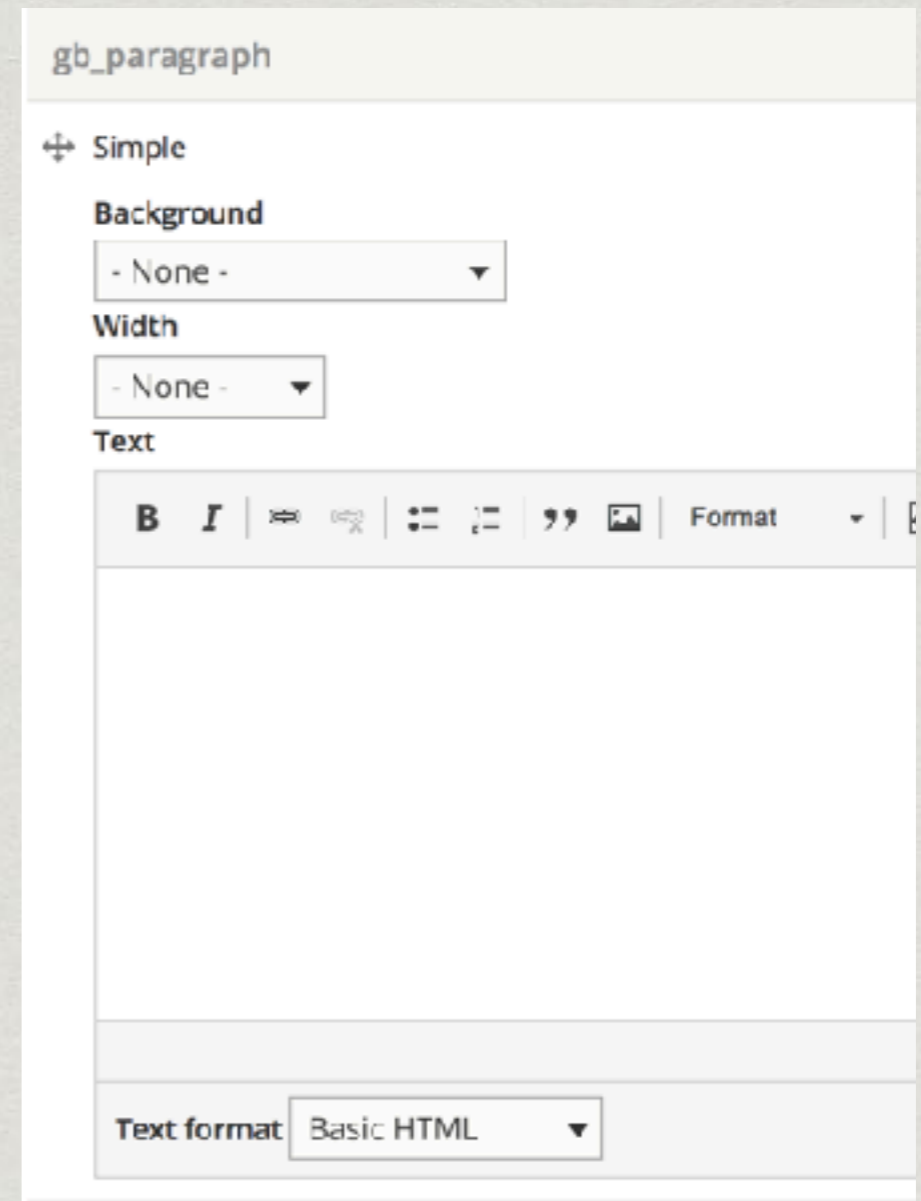
Reviewing Bootstrap Paragraphs

- * Pre-assembled Field groupings using completely customizable content elements.
- * Extendable (add heroes, full page background images etc.)

Add Simple	▲
Add Image	
Add Blank	
Add Accordion	
Add Accordion Section	
Add Carousel	
Add Columns (Equal)	
Add Columns (Three Uneven)	
Add Columns (Two Uneven)	
Add Column Wrapper	
Add Drupal Block	
Add Contact Form	
Add Modal	
Add Tab Section	
Add Tabs	
Add View	

Simple

- * This basically replaces the "basic" type of Drupal Content Type, a simple HTML text box with customizable background and width display.



The image shows a screenshot of the Drupal configuration interface for a content type named "Simple". The interface is titled "gb_paragraph" and includes a plus icon and the name "Simple". It features three main sections: "Background" with a dropdown menu set to "- None -", "Width" with a dropdown menu set to "- None -", and "Text" which contains a rich text editor toolbar with icons for bold, italic, link, unlink, list, ordered list, quote, and image, along with a "Format" dropdown menu. At the bottom, there is a "Text format" dropdown menu set to "Basic HTML".

Image

- * Mobile friendly
- * Allows for customization of captions
- * Attach link to image.
- * Alt tag required (a11y!)

gb_paragraph

✚ Image


Background

- None - ▼

Width

- None - ▼


Image



Alternative text *

|

This text will be used by screen readers.

 [synchronicity.jpg](#) (178.99 KB)

Link

Start typing the title of a piece of content to select it. [http://example.com](#). Enter <front> to link to the front page.

Blank

- * To make fullest use of this paragraph type, create a Text format of unrestricted.
- * This has obvious Security issues, so make sure to use properly use permissions to control access to this.
- * Great for customizing displays of API or third party data.

gb_paragraph

✚ Blank

Background
- None - ▼

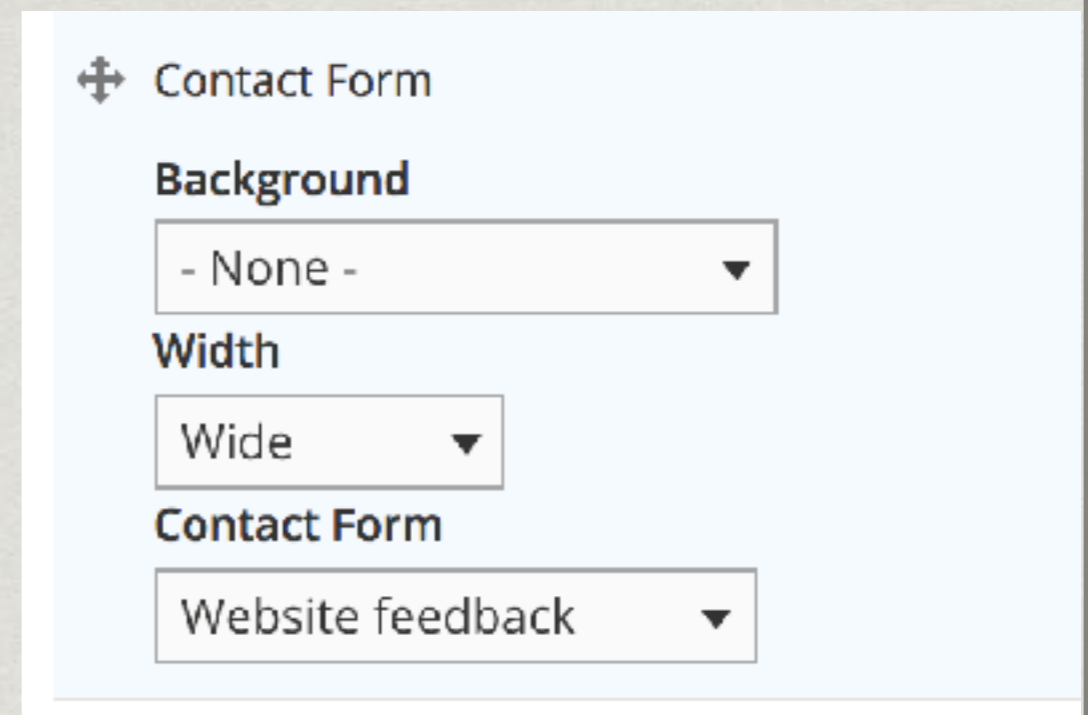
Width
- None - ▼

Unrestricted

Text format Unrestricted ▼

Contact Form

- * Contact formatter module
- * Add inline entity form to allow content editors to add or create a contact form.



✚ Contact Form

Background

- None - ▼

Width

Wide ▼

Contact Form

Website feedback ▼

The image shows a configuration panel for a 'Contact Form' widget. It features three dropdown menus: 'Background' set to '- None -', 'Width' set to 'Wide', and 'Contact Form' set to 'Website feedback'. Each dropdown has a small downward-pointing triangle on the right side.

Layout: Carousels

- * Apologies to Brad Frost
- * Most Managers still want these regardless of how often we show them that nobody watches them.
- * All the awesome functions available to all the other bundles + variations in what can be in your carousel.

gb_paragraph

✚ Carousel

Background
Indigo strong ▼

Width
Full Screen ▼

Slide Interval
3 Seconds ▼

Slide Content
No Paragraph added yet.

Add Simple	▲ to Slide Content
Add Image	
Add Blank	
Add Accordion	
Add Column Wrapper	
Add Columns (Equal)	
Add Columns (Three Uneven)	
Add Columns (Two Uneven)	
Add Drupal Block	
Add Modal	
Add Tabs	
Add View	

Blocks

- * I cannot tell a lie - I haven't used this one yet, but it's awesome.
- * Probably best to be used in it's own content type.
- * Not all blocks are available to be inside of this paragraph type. Notable blocks that do work are menus.. and thats pretty useful!

The screenshot shows the configuration interface for a Drupal block named 'gb_paragraph'. The interface is divided into several sections:

- gb_paragraph**: The top section, highlighted in light yellow.
- Drupal Block**: A section with a plus icon and the text 'Drupal Block'. It contains two dropdown menus: 'Background' (set to '- None -') and 'Width' (set to '- None -').
- Block**: A section with a plus icon and the text 'Block'. It contains a search bar with the letter 'm' entered. Below the search bar is a list of block types, each with a small icon and a text label: 'Breadcrumbs', 'Main page content', 'Primary admin actions', 'Status messages', 'Primary tabs', 'User account menu', 'Breadcrumbs', 'Main page content', and 'Footer menu'. The 'Primary admin actions' block is highlighted in blue.
- Save**: A blue button at the bottom left of the interface.

Views

- * Views Reference Field. Can display ANY VIEW.
- * Pass arguments, to refine the view. OMG.
- * Insanely.Great.use.of.Drupal

gb_paragraph

⊕ View

Background
- None - ▼

Width
- None - ▼

View

⊕ Who's new (who_s_new)

Display Id
Who's new ▼

▼ **OPTIONS**

Include View Title Argument

Add another item

Layout: Columns

- * Columns (equal) - allows six references, distributes content evenly up to six.
- * 3 and 2 column (uneven)
- * Offsets

Columns (Equal)

Two Column - Tiny	Two Column - Tiny	
I'm getting hungry chew on cable, plan steps for world domination or chew foot. Put toy mouse in food bowl run out of litter box at full speed scamper for purr has closed eyes but still sees you or scamper poop in the plant pot yet curl up and sleep on the freshly laundered towels.	I'm getting hungry chew on cable, plan steps for world domination or chew foot. Put toy mouse in food bowl run out of litter box at full speed scamper for purr has closed eyes but still sees you or scamper poop in the plant pot yet curl up and sleep on the freshly laundered towels.	
Two Column - Narrow	Three Column - Narrow	Three Column - Narrow
I'm getting hungry chew on cable, plan steps for world domination or chew foot. Put toy mouse in food bowl run out of litter box at full speed scamper for purr has closed eyes but still sees	I'm getting hungry chew on cable, plan steps for world domination or chew foot. Put toy mouse in food bowl run out of litter box at full speed scamper for purr has closed eyes but still sees	I'm getting hungry chew on cable, plan steps for world domination or chew foot. Put toy mouse in food bowl run out of litter box at full speed scamper for purr has closed eyes but still sees

Layout: Accordions

- * Bootstrap collapse .js
- * Accordions are inside Accordion sections

gb_paragraph

⊕ Accordion Section

Accordion Section Title

Electric

Accordion Section Body

⊕ Simple








Background

- None -

Width

- None -

Text

B *I* |   |   |   | Format -  Source

Fender

Gibson

Ibanez

Paul Reed Smith

Text format Basic HTML

Layout: Modal

- * Pop up window

gb_paragraph

✚ Modal

Background
- None - ▼

Width
- None - ▼

Modal Button Text *

Modal Title

Modal Body
No Paragraph added yet.
Add Simple ▼ to Modal Body

Modal Footer
No Paragraph added yet.
Add Simple ▼ to Modal Footer

Global Settings

- * Controlling the bootstrap variable of content-fixed or fluid.
- * Modifications of Background color
- * First example of Code.
YIKES! LOL!

```
_overrides.scss — bodypartdemo
settings.php x bootdemo.info.yml x .gitignore
1 // @todo these should be their own
2 // specific Drupal libraries are us
3 @import "component/alert";
4 @import "component/ajax";
5 @import "component/field";
6 @import "component/file";
7 @import "component/filter";
8 @import "component/form";
9 @import "component/icon";
10 @import "component/navbar";
11 @import "component/node";
12 @import "component/panel";
13 @import "component/progress-bar";
14 @import "component/table-drag";
15 @import "component/tabs";
16 @import "component/toolbar";
17
18 // jQuery UI style overrides.
19 @import "jquery-ui/autocomplete";
20
21 ol, ul {
22     padding-left: 1.5em;
23     .popover &:last-child {
24         margin-bottom: 0;
25     }
26 }
```

Template, Markup and overrides

- * Every part of bootstrap paragraphs is customizable.
- * Requires installation of Devel and twig helper modules etc.,
- * Adding additional components (like heroes etc) Perfectly explained by Jim Birch
- * Need another hour.





Stick with it

*“Pass on what you have learned. Strength. Mastery.
But weakness, folly, failure also. Yes, failure most of all.
The greatest teacher, failure is.”*

–Yoda

Thank You

- * Jim Birch
- * Eric Steinborn/ Freddy Wheeler/ Ravathi Gajula/ Kiersten Burns & all my OAG co-workers
- * NYS ITS - WebNY -
- * Mentors - Greg Marshall / Doug Vann / Chris Catalina
- * THANK YOU Drupal Camp NJ
- * NYCamp
- * Design for Drupal, Boston
- * See you at Drupalcon Nashville!!!

ROCK ON!

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