

# Paragraphs



are more powerful  
than you can expect

[abzats.com/kiev17.pdf](https://abzats.com/kiev17.pdf)



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The main challenge of my presentation is to inspire you to use Paragraphs in your Drupal sites and enjoy the Paragraphs



# Presentation Plan

1. Quick **DEMO** to attract the audience.
2. Architecture of Paragraphs.
3. Paragraphs vs Fields vs Panels vs Embedded Entities vs Panalizer vs ECK vs WYSIWYG vs Bricks etc.
4. Strong Points of Paragraphs
5. Several Contributed modules that improve Paragraphs approach. **DEMO**
6. My contribution (Paragraphs LandingPage Framework), roadmap, ideas and cooperation request. **DEMO**
7. Future of Paragraphs: Quick discussion.
8. Questions.

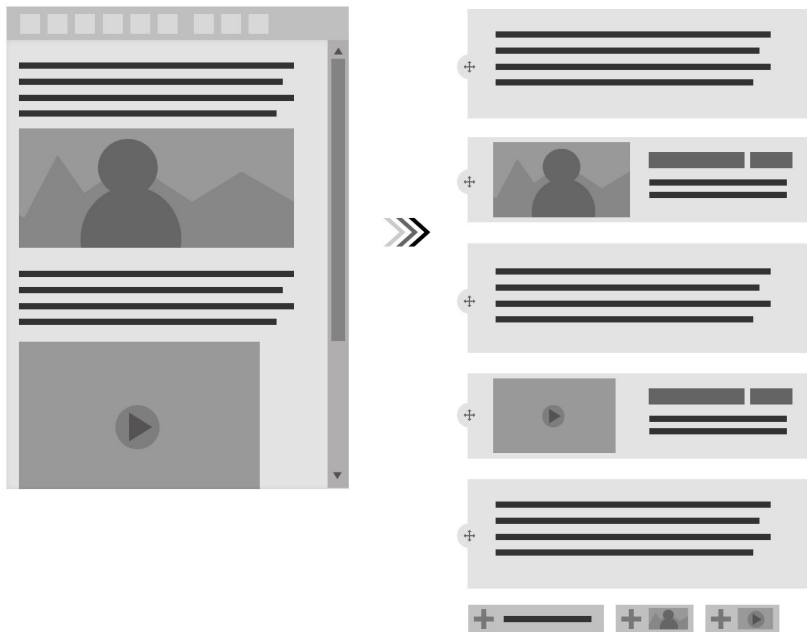


# Demo

Basic Paragraph Functionality



# What is Paragraphs?



**Paragraphs** is an **Entity Reference** field type with **Revision** support

There is a basic demo on

<http://paragraphs.site-showcase.com>

Project page: <https://www.drupal.org/project/paragraphs>

The key dependency is Entity Reference Revisions ([https://www.drupal.org/project/entity\\_reference\\_revisions](https://www.drupal.org/project/entity_reference_revisions))

See also “Introduction to the Paragraphs Module in Drupal 8” video by Ivan Zugec:

<https://www.youtube.com/watch?v=Fy9s01T30uo>

<https://vimeo.com/197252633>



# We can get everything that we have in Drupal inside a paragraph!

All stuff that we can display with Drupal fields we can have inside the paragraph.

Take a look for example on  
Contact Formatter module

[https://www.drupal.org/project/contact\\_formatter](https://www.drupal.org/project/contact_formatter)

Also it can be views, maps, blocks, etc.

## Manage display

Edit   Manage fields   Manage form display   Manage display   Devel		
FIELD	LABEL	FORMAT
✚ Background	- Hidden -	Key
✚ Width	- Hidden -	Key
✚ Contact Form	- Hidden -	Rendered Contact Form
Disabled		
✚ Authored on	Above	- Hidden -



# Paragraphs Template Suggestions

<https://www.drupal.org/node/2444893> (D8)

The default paragraphs template is `paragraph.html.twig`.

It uses theme suggestions for overwriting the template:

- `paragraph--[VIEW-MODE].html.twig`
- `paragraph--[BUNDLE-NAME].html.twig`
- `paragraph--[BUNDLE-NAME]--[VIEW-MODE].html.twig`

e.g.:

- `paragraph--default.html.twig`
- `paragraph--image.html.twig`
- `paragraph--image--default.html.twig`

**We have extremely high customisation flexibility on template level!**

- We can use different markup for different paragraph types
- We can use different markup for the paragraphs of one type with different view modes





# The main goal

"As a site admin, I want to be able to add different types of content chunks on any page with customisable backgrounds, so that we have control over the style and layout of our website"

- Mark Conroy

<https://www.annertech.com/blog/drupal-panels-panelizer-paragraphs-fieldable-panel-panes>



# Paragraphs vs Fields

- **Paragraphs are reorderable!**

We can do the same page with native Drupal fields but for the next page with the new order of content blocks we have to set new content type or new view mode\*.

---

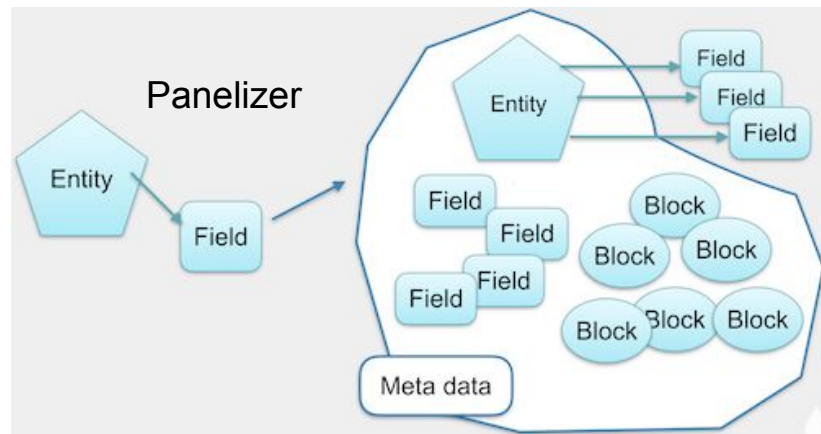
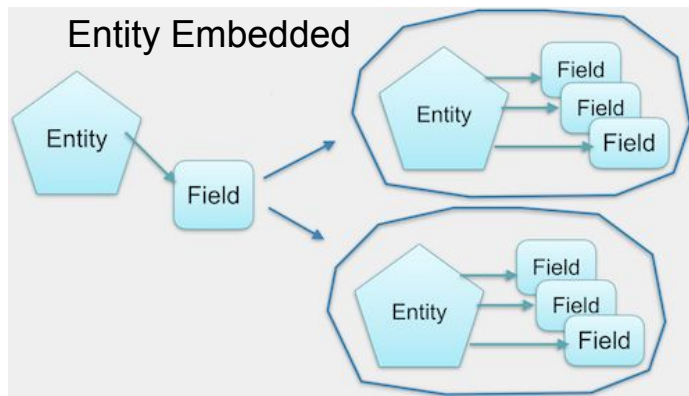
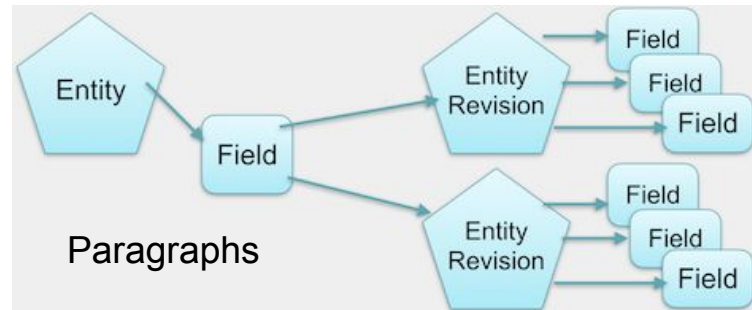
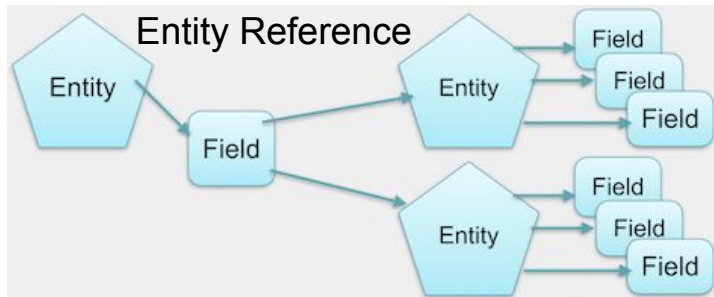
\* [https://www.drupal.org/project/entity\\_view\\_mode](https://www.drupal.org/project/entity_view_mode)

[https://www.drupal.org/project/entity\\_display\\_field](https://www.drupal.org/project/entity_display_field)

[https://github.com/vasilyyaremchuk/entity\\_display\\_field](https://github.com/vasilyyaremchuk/entity_display_field)

<https://www.drupal.org/project/ds>

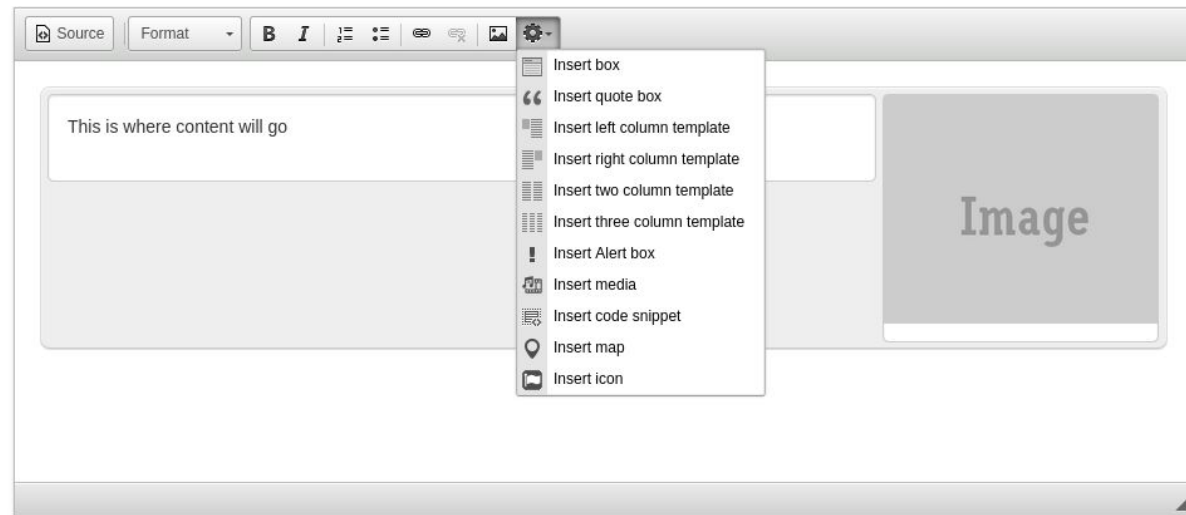
# More complex approaches: difference in architecture



See <http://www.mediacurrent.com/blog/editorial-workflow-head-head-paragraphs-vs-entity-embed-vs-panelizer>



# Entity Embedded: widgets in WYSIWYG



[https://www.drupal.org/project/ckeditor\\_widgets](https://www.drupal.org/project/ckeditor_widgets)

<http://margotskapacs.com/2014/05/adding-ckeditor-plugins-manually-in-drupal/>

<http://valuebound.com/resources/blog/how-to-enhance-your-content-authoring-by-adding-custom-ckeditor-plugin-drupal-8>

By the way, there was a presentation in Lviv DrupalCamp 2016 “CKEditor 4 widget plugins & Drupal8” by Андрій Тюпа

[https://www.drupal.org/project/landing\\_page](https://www.drupal.org/project/landing_page) (there is only dev Drupal 8 version)



# Paragraphs vs Panelizer

**Main Content**

"This node" content

node content

**1st 33% Left**

View: News: Landing Page

No title

**1st 33% Middle**

View: Publications: Landing Page

No title

**1st 33% Right**

View: Public Consultations: Landing Page

No title

**1st Wide 66% left**

**1st Narrow 33% right**

**1st Narrow 33% left**

**1st Wide 66% right**

**2nd 33% Left**

View: Statistics: Landing Page

No title

**2nd 33% Middle**

View: Legislation: Landing Page

No title

**2nd 33% Right**

View: FAQ: Landing Page

No title

Panelizer (Drupal Tutorial): <https://www.youtube.com/watch?v=YsLEWuJUJwc>

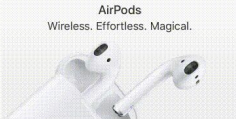
Image was taken from <http://www.mediacurrent.com/blog/editorial-workflow-head-head-paragraphs-vs-entity-embed-vs-panelizer>



# Bricks (nested Entities) <https://www.drupal.org/project/bricks>

Title \*  
All new AirPods

BODY [Show row weights](#)

	TITLE	TYPE	OPERATIONS
+	Columns	Columns	<a href="#">Edit</a> <a href="#">×</a>
+	 AirPods Wireless. Effortless. Magical.	Image	<a href="#">Edit</a> <a href="#">×</a>
+	Lorem ipsum dolor sit amet	Text	<a href="#">Edit</a> <a href="#">×</a>
+	Duis aute irure dolor	Text	<a href="#">Edit</a> <a href="#">×</a>

Columns ▾ [Add new brick](#) [Add existing brick](#)

[Save and keep published](#) ▾ [Preview](#) [Delete](#)

Bricks based on IEF ([Inline Entity Form](#))

## Features:

- Bricks are reusable
- Bricks can be nested inside another bricks
- There is an excellent user friendly drag-and-drop admin interface



# References on comparison different approaches

<http://www.mediacurrent.com/blog/editorial-workflow-head-head-paragraphs-vs-entity-embed-vs-panelizer>

<https://www.chapterthree.com/blog/paragraphs-vs-eck-drupal-8>

<https://www.annertech.com/blog/drupal-panels-panelizer-paragraphs-fieldable-panel-panes>

<https://nedcamp.org/new-england-drupal-camp/sessions/editorial-process-head-head-paragraphs-vs-entity-embed-vs-panelizer>

<https://gist.github.com/nadavoid/d510440ed59f9878e47d8ff0027df1e5>



# Strong Points of Paragraphs out of Box

- We can include any existing functionality inside a paragraph
- We use only the paragraphs that require for the current page and avoid empty fields
- We can cover our needs by minimal number of content types (maybe even 1)
- **Paragraphs are reorderable!**
- We can include one paragraph into another one, there is no limitation in that recursion
- We can collapsed single paragraph edit form inside node edit form, to get it a bit simpler

What features can be improved by contributed modules?



# Contributed modules that improve Paragraphs approach



**Classy paragraphs** ([https://www.drupal.org/project/classy\\_paragraphs](https://www.drupal.org/project/classy_paragraphs))

**Paragraphs Previewer** ([https://www.drupal.org/project/paragraphs\\_previewer](https://www.drupal.org/project/paragraphs_previewer))

**Paragraphs Edit** ([https://www.drupal.org/project/paragraphs\\_edit](https://www.drupal.org/project/paragraphs_edit))

**Geysir** (<https://www.drupal.org/project/geysir>)

**Bootstrap Paragraphs** ([https://www.drupal.org/project/bootstrap\\_paragraphs](https://www.drupal.org/project/bootstrap_paragraphs))

**Parade** (<https://www.drupal.org/project/parade>)

**Bricks** (<https://www.drupal.org/project/bricks>)

**Paragraphs LandingPage Framework** (<https://www.drupal.org/project/landingpage>)





# Paragraphs Edit

Contextual links:

ore magna aliqua  
Duis aute irure d  
t non proident, su

Edit  
Clone  
Delete

This module adds contextual links to paragraphs to edit, delete and clone paragraphs.

Native edit form can be very long and it is difficult to find the content that we need to edit:

Clone fieldset:

**CLONE TO**

Type \*

Basic page ▾

Parent \*

Field \*

Paragraphs ▾

Theme

LandingPage CV ▾

Title \*

LandingPage Event Example

Show row weights

LANDINGPAGE PARAGRAPHS

Type: Landingpage Hero Image & TextArea

Edit ▾

Type: Landingpage Image & TextArea

Edit ▾

Type: Landingpage Hero Image & Countdown

Edit ▾

Type: Landingpage TextField & TextArea

Edit ▾

Type: Landingpage Hero Image & TextArea

Edit ▾

Type: Landingpage ContactForm & TextArea

Edit ▾

Type: Landingpage GMap & TextArea

Edit ▾

Type: Landingpage TextField & Links

Edit ▾

Add Landingpage ContactForm & TextArea ▾ to Landingpage paragraphs

Save and keep published ▾

Preview

Delete



# Paragraphs Edit: How to make it work?

It doesn't work in:

```
{%  
set classes = [  
...  
]  
%}  
<div{{ attributes.addClass(classes) }}>  
  {{ content.field_landingpage_image[0] }}  
</div>
```

It works in:

```
{%  
set classes = [  
...  
]  
%}  
<div{{ attributes.addClass(classes) }}>  
  {{ content }}  
</div>
```

or in:

```
{%  
set classes = [  
...  
]  
%}  
<div{{ attributes.addClass(classes) }}>  
  {{ title_suffix }}  
  {{ content.field_landingpage_image[0] }}  
</div>
```




# Paragraphs Previewer

Simple - Two column - Content first - inverse

Simple [Edit](#) [Remove](#) [Preview](#)

Simple - Separator - Title only

Preview of Parallax ×



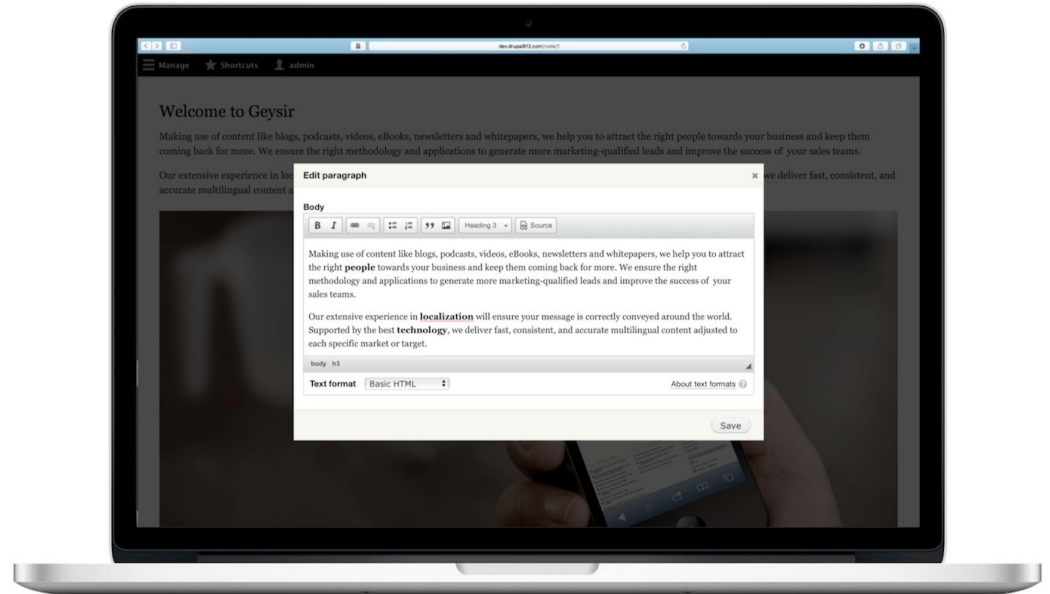
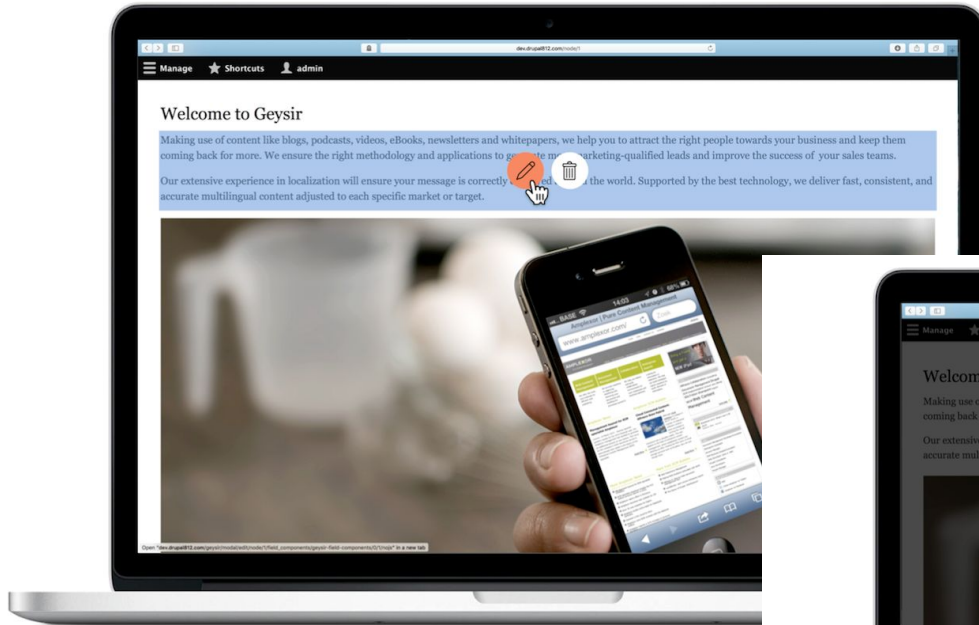
**Parallax Background Image Type**

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis n

Text & Image [Edit](#) [Remove](#) [Preview](#)

Textbox text first

# Geysir Module



# Bootstrap Paragraphs

Demo page: <http://bp.jimbir.ch/>

Type: Drupal Block

Background

- None -

Width

- None -

Remove

BLOCK



Show row weights

Add another item

Type: View

Background

- None -

Width

Full Screen

Remove

Show row weights

VIEW



Pages (pages)

Display Id

Block

Argument

Include View Title



Display Id

Master

Argument

Include View Title

Columns (Equal)

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.

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.

Three Column - Medium

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.

Three Column - Medium

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.

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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.

Four 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 you or scamper poop in the plant pot yet curl up and sleep on the freshly laundered towels.

Four 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 you or scamper poop in the plant pot yet curl up and sleep on the freshly laundered towels.

Four 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 you or scamper poop in the plant pot yet curl up and sleep on the freshly laundered towels.

Four 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 you or scamper poop in the plant pot yet curl up and sleep on the freshly laundered towels.

Type: 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

Remove



**Title \***  
Parade One Page Site Demo

**MENU**

#home	Home	<input type="checkbox"/> Highlighted
#simpleonecolumn	Simple One Col	<input type="checkbox"/> Highlighted
#simpletwocolumn	Simple Two Col Title First	<input type="checkbox"/> Highlighted
#simple5	Simple Two Col Content First	<input checked="" type="checkbox"/> Highlighted

You can set anchor links (e.g. #contact-us) or external links (e.g. https://google.com). Be sure that the anchor link matches with one of the section's Anchor field.

**ADD MENU LINK**

**SECTIONS**

Header **Edit Remove Preview**

**Parade**

Simple **Edit Remove Preview**

**Simple - One column - Clean**

Simple **Edit Remove Preview**

**Simple - One column - Light Grey**

Simple **Edit Remove Preview**

**Simple - One Column - Shaded**

Add Header	Add Images	Add Text & image	Add Locations
Add Form	Add Poll	Add Parallax	Add Simple
Add Social links	Add Text boxes		

**Save and keep published** **Delete**

# Parade Module

Demo: <http://parade.brainsum.com/>

## The main improvements:

- paragraph add buttons
- Paragraphs Previewer usage

## How to play with this module:

- Turn on parade\_demo module
- Delete map paragraph on created dummy content or alternatively check and fix Leaflet module settings

What is the most interesting for the developers?

- parade\_demo.install where they created 'classy\_paragraphs\_style' entities programmatically



# Bricks (nested Entities) <https://www.drupal.org/project/bricks>

Bricks module was mentioned as an alternative of Paragraphs, but it can be used together with paragraphs. We can use Paragraphs as nested entities inside bricks and have this beautiful drag-and-drop interface!

See also Bricks [for] Bootstrap:

[https://www.drupal.org/project/bricks\\_bootstrap](https://www.drupal.org/project/bricks_bootstrap)

The screenshot shows the 'Edit Bricky Example page powered by Bricks and Bootstrap Kit' interface. It features a table of bricks with columns for Title, Type, and Operations. The bricks are arranged in a list, and the interface includes a 'Published' sidebar on the right with fields for 'Last saved', 'Author', and 'Revision log message'. At the bottom, there are buttons for 'Save and keep published', 'Preview', and 'Delete'.

TITLE	TYPE	OPERATIONS
+	Tabs	Layout: Tabs [Edit] [X]
+	Columns	Layout: Equal columns [Edit] [X]
+	Image	Image [Edit] [X]
+	Text	Text [Edit] [X]
+	Accordion	Layout: Accordion [Edit] [X]
+	Text	Text [Edit] [X]
+	Text	Text [Edit] [X]
+	Image	Image [Edit] [X]
+	Carousel	Layout: Carousel [Edit] [X]
+	Image	Image [Edit] [X]
+	Image	Image [Edit] [X]
+	Tabs	Layout: Tabs [Edit] [X]
+	Image	Image [Edit] [X]
+	Text	Text [Edit] [X]
+	Text	Text [Edit] [X]
+	Image	Image [Edit] [X]
+	Jumbotron	Wrapper [Edit] [X]
+	Text	Text [Edit] [X]

Image [Add new brick] [Add existing brick]

Save and keep published [Preview] [Delete]





# Demo

Functionality of some Contributed Modules: Parade module together with Paragraphs Previewer, Paragraphs Edit and Geysir



# Paragraphs LandingPage Framework

- Theme field in out of box LandingPage content type (we can use absolutely separate theme for each Landing Page)
- Each paragraph view mode can have a separate template
- There is an ability to add separate classes and inline styles
- Architecture of the package: each paragraph type is a separate submodule
- LandingPage clone submodule
- LandingPage Export/Import feature (experimental)
- LandingPage Geysir module that extends functionality of Geysir module with Sort, Clone, Add and Customize functionality.



# Demo

Paragraphs LandingPage Framework module 1.x



## Paragraphs LandingPage Framework: 3 levels of customization

- You can customize your page in admin area (Theme, View Mode, Inline styles and Classes)
- You can create and use your own LandingPage theme. Use 'landingpage\_starterkit' template to start. Also you can set up predefined classes in [your\_theme].info.yml and the will be supported in LandingPage autocomplete
- You can create your own paragraph types that will be supported by the module

You can find more details in <http://cgkit.drupalcode.org/landingpage/plain/README.txt>

An example of relatively complex LandingPage created with Paragraphs LandingPage Framework:

<http://partner.speedandfunction.com>



# How can you use it?

- You can use it if you need a separate Landing Page solution with different design on the existing Drupal 8 site.
- You can use it during initial conversation with a new client. You can prepare several drafts of pages with fake content that meets a client needs on your expectation and during the demo you can change the order of paragraphs, colors, backgrounds and view mode to reach more close to the client needs.
- You can create several out of box solutions that cover more simple requests of your clients.



# Paragraphs LandingPage Framework: 2.x version

▼ LANDINGPAGE	
☑ LandingPage	► Paragraph driven LandingPage FrameWork
☑ LandingPage CaseStudy Examples	► Generate two pages with Speed & Function CaseStudies as the example of L
☐ Landingpage Clone	► Provide an ability to replicate LandingPage node.
☑ LandingPage ContactForm & TextArea	► Contact Form & TextArea Paragraph Type for LandingPage Kit
☑ LandingPage CV Example	► Generate a page with a fake CV as the example of LandingPage module fun
☐ LandingPage DonateBTC & TextArea	► Donate Bitcoin & TextArea Paragraph Type for LandingPage Kit
☑ LandingPage Event Example	► Generate a page with a fake Event as the example of LandingPage module f
☐ Landingpage Export (experimental)	► Export LandingPage node in YAML format.
☑ Landingpage Geysir (experimental)	► Implementation of Geysir module in the case of LandingPage package.
☑ Landingpage GMap & TextArea	► GoogleMap & TextArea Paragraph Type for LandingPage Kit
☑ LandingPage Grid (experimental)	► Grid Paragraph Type for LandingPage Kit
☑ Landingpage Hero Image & Countdown	► Hero Image & Countdown Paragraph Type for LandingPage Kit
☑ Landingpage Hero Image & TextArea	► Hero Image & TextArea Paragraph Type for LandingPage Kit
☑ LandingPage Image	► Image Paragraph Type for LandingPage Kit
☑ Landingpage Image & TextArea	► Image & TextArea Paragraph Type for LandingPage Kit
☑ Landingpage Image & TextField	► Image & TextField Paragraph Type for LandingPage Kit
☑ LandingPage Promo Example	► Generate a page with the promotional text about LandingPage module
☑ LandingPage S&Franchise Example	► Generate a page with S&Franchise proposal as the example of LandingPage
☑ LandingPage Simple Slider	► Simple Slider Paragraph Type for LandingPage Kit
☑ LandingPage TextArea	► TextArea Paragraph Type for LandingPage Kit
☑ LandingPage TextArea & TextAreas	► TextArea & TextAreas Paragraph Type for LandingPage Kit
☑ LandingPage TextField & Images	► TextField & Images Paragraph Type for LandingPage Kit
☑ Landingpage TextField & Links	► Landingpage Textfield & Links Paragraph Type for LandingPage Kit
☑ Landingpage TextField & TextArea	► TextField & TextArea Paragraph Type for LandingPage Kit
☑ LandingPage Video & TextArea	► Video & TextArea Paragraph Type for LandingPage Kit

## Roadmap:

- Decrease number of paragraphs
- Locate definition of paragraphs that don't have external dependencies into root LandingPage module
- Support Paragraphs Edit module
- Support Paragraphs Previewer module
- Include examples dummy content in LandingPage themes and remove example modules
- Improve admin UI and add icons on paragraph add buttons
- Add and improve module documentation
- Add export to static HTML feature



# Paragraphs LandingPage Framework: Cooperation Request

It's difficult to kick this stuff by one person  
so I'm looking for any ideas, help and feature requests  
also I'm going to share my progress with the community

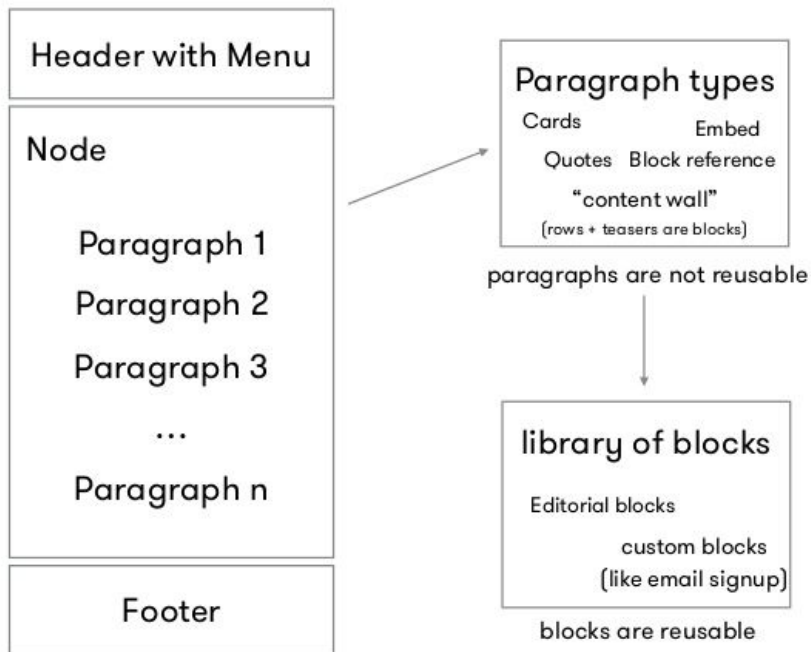
Feel free to skype me



**vasilyyaremchuk**



# Future of Paragraphs: **Discussion**



- Why can't we use Header and Footer as a separate paragraphs?
- Can we build our new sites only with paragraphs?
- How we can resolve paragraph reusability issue in general?

\* Image was taken from:

<https://www.slideshare.net/pvhee/building-redno-sedaycom-on-drupal-8>

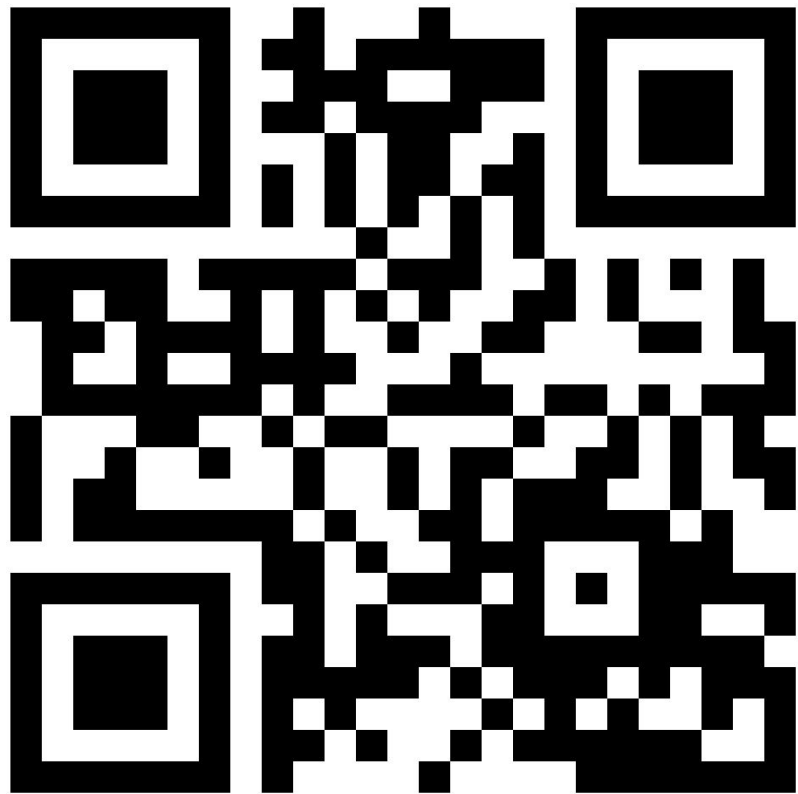




# Questions?



# Are you going to use Paragraphs?



[abzats.com/kiev17.pdf](http://abzats.com/kiev17.pdf)

Thanks!  
speed & function

# Appendix:

slides that includes more specific information for the references

# Is there way to make paragraphs filed more friendly?



Improve user experience with Paragraphs on Drupal 8:

<https://www.flocondetoile.fr/blog/improve-user-experience-paragraphs-drupal-8>

Accueil » My another landing page

Titre \*

My another landing page

Afficher le poids des lignes

PARAGRAPH

✚ Type: Paragraphe image texte

Modifier ▾

✚ Type: Paragraphe image texte

Modifier ▾

✚ Type: Paragraphe image texte

Modifier ▾

✚ Type: Paragraph tiles

Modifier ▾

✚ Type: Paragraphe citation

Modifier ▾

✚ Type: Paragraphe image texte

Modifier ▾

✚ Type: Paragraph pictos

Modifier ▾

✚ Type: Paragraph progress

Modifier ▾

✚ Type: Paragraph pictos

Modifier ▾

Ajouter Paragraphe citation ▾ to Paragraph

Enregistrer et laisser publié ▾

Aperçu

[Supprimer](#)

Accueil » My another landing page

Titre \*

My another landing page

Afficher le poids des lignes

PARAGRAPH

✚ Overview

Modifier ▾

✚ Features

Modifier ▾

✚ Try a demo

Modifier ▾

✚ Feedback

Modifier ▾

✚ Type: Paragraphe citation

Modifier ▾

✚ Commitment

Modifier ▾

✚ Pricing

Modifier ▾

✚ Clients

Modifier ▾

✚ My bulleted list

Modifier ▾

Ajouter Paragraphe citation ▾ to Paragraph

Enregistrer et laisser publié ▾

Aperçu

[Supprimer](#)



# What is a Landing Page?

[https://en.wikipedia.org/wiki/Landing\\_page](https://en.wikipedia.org/wiki/Landing_page)

It's a single web page that appears in response to clicking on a search engine optimized search result or an online advertisement or we can put URL of this page on Billboard or to any other offline ad.

The general goal of a landing page is to convert page visitors into sales or leads.

Types of landing pages:

- Reference (It presents information that is relevant to the visitor request: text, images, etc.)
- Transactional (There is a form on the page. Its goal is to convert the visitor into a customer.)