

WordCamp Montclair 2022 | #WCMontclair

# The Building Blocks of Building Blocks

[ryelle.codes/wcmontclair-2022](https://ryelle.codes/wcmontclair-2022)



# @ryelle

Developer @ Automattic

Core committer

Meta team

Find me on twitter or Making WordPress slack

**Blocks**

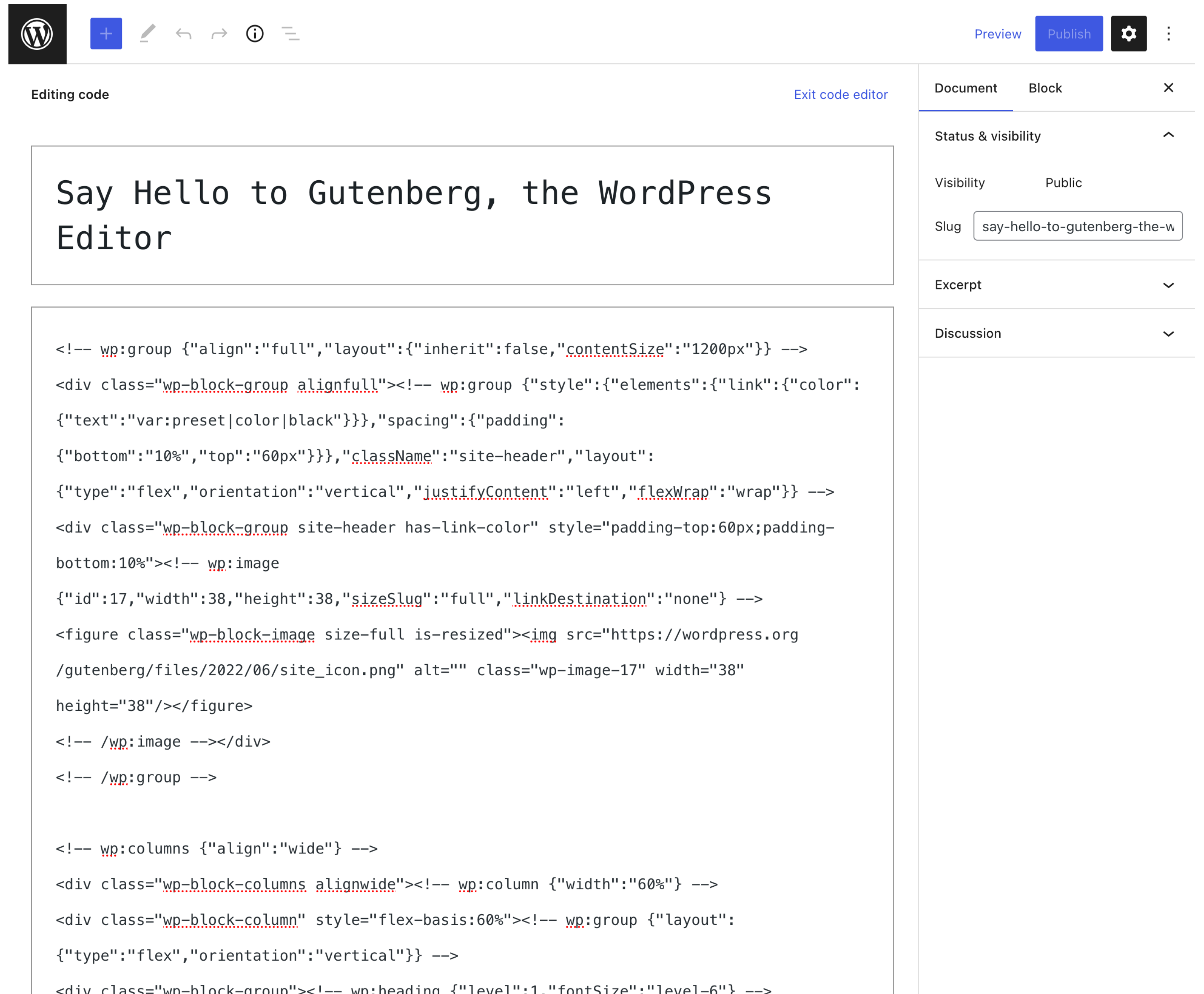


# Blocks

The screenshot displays the WordPress Gutenberg editor interface. At the top left is the WordPress logo and a toolbar with icons for adding blocks, editing, undo, redo, help, and a menu. On the right side, there are buttons for 'Preview', 'Publish', and a settings gear icon. The main editing area shows a heading block with the text 'Say Hello to Gutenberg, the WordPress Editor'. Above the text is a block toolbar with icons for undo, redo, heading level (H1), bold, italic, link, and a menu. Below the text is a paragraph: 'Experience the flexibility that blocks allow, whether you're building your first site or write code for a living.' Below the paragraph is a button that says 'Try Gutenberg today in WordPress'. A blue horizontal line with a plus sign is positioned below the button. On the right side, the settings panel is open, showing the 'Block' tab. The 'Heading' block settings are visible, including a description: 'Introduce new sections and organize content to help visitors (and search engines) understand the structure of your content.' Below this are sections for 'Color' (with options for Text, Background, and Link), 'Typography' (with 'Size' set to 'Level 6' and 'Appearance' set to 'Default'), and 'Letter case' (with options for 'AB', 'ab', and 'Ab'). The 'Dimensions' and 'Advanced' sections are also visible but collapsed.

# Blocks

secretly... a set of HTML comments, maybe JSON, and plain HTML

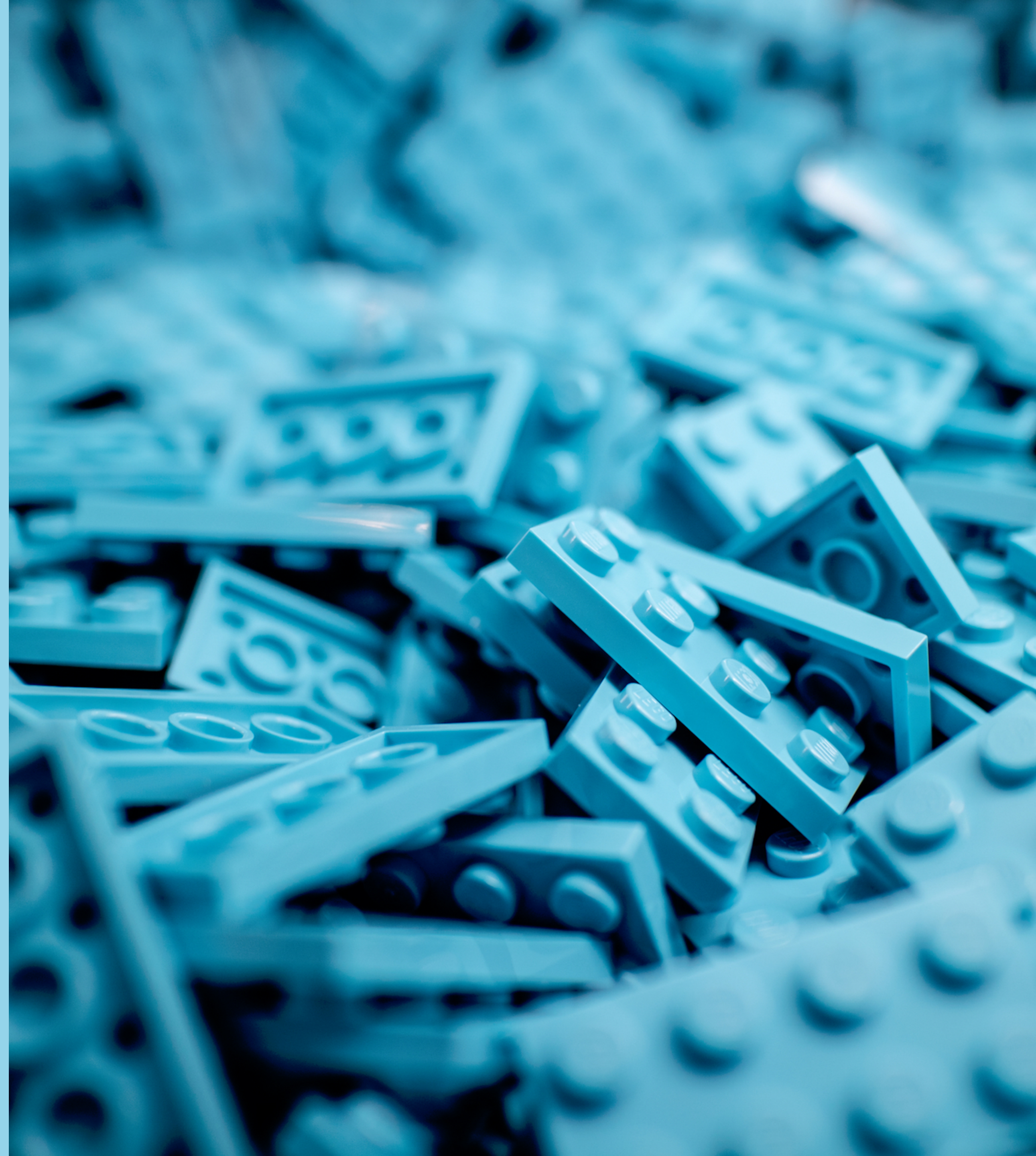


The screenshot shows the WordPress Gutenberg editor interface. At the top left is the WordPress logo and a toolbar with icons for adding blocks, undo, redo, help, and a menu. On the top right, there are buttons for 'Preview', 'Publish', and a settings gear. Below the toolbar, the main editing area is titled 'Editing code' and contains a text block with the heading 'Say Hello to Gutenberg, the WordPress Editor'. Below this, the code editor shows the underlying HTML/JSON blocks. The right-hand sidebar is open to the 'Document' tab, showing settings for 'Status & visibility' (Public), 'Slug' (say-hello-to-gutenberg-the-w), 'Excerpt', and 'Discussion'.

```
<!-- wp:group {"align":"full","layout":{"inherit":false,"contentSize":"1200px"}} -->
<div class="wp-block-group alignfull"><!-- wp:group {"style":{"elements":{"link":{"color":
{"text":"var:preset|color|black"}}},"spacing":{"padding":
{"bottom":"10%","top":"60px"}}},"className":"site-header","layout":
{"type":"flex","orientation":"vertical","justifyContent":"left","flexWrap":"wrap"}} -->
<div class="wp-block-group site-header has-link-color" style="padding-top:60px;padding-
bottom:10%"><!-- wp:image
{"id":17,"width":38,"height":38,"sizeSlug":"full","linkDestination":"none"} -->
<figure class="wp-block-image size-full is-resized"></figure>
<!-- /wp:image --></div>
<!-- /wp:group -->

<!-- wp:columns {"align":"wide"} -->
<div class="wp-block-columns alignwide"><!-- wp:column {"width":"60%"} -->
<div class="wp-block-column" style="flex-basis:60%"><!-- wp:group {"layout":
{"type":"flex","orientation":"vertical"}} -->
<div class="wp-block-group"><!-- wp:heading {"level":1,"fontSize":"level-6"} -->
```

**Build it  
yourself**



# Use helper tools

- ACF (Advanced Custom Fields) Blocks
- Genesis Custom Blocks
- @wordpress/create-block

# @wordpress/create-block

```
$ npx @wordpress/create-block
```

Let's customize your WordPress plugin with blocks:

? The block slug used for identification (also the plugin and output folder name): `example-static`

? The internal namespace for the block name (something unique for your products): `create-block`

? The display title for your block: `Example Static`

? The short description for your block (optional):

`(Example static block scaffolded with Create Block tool.)`



# @wordpress/create-block

```
$ npx @wordpress/create-block notice-block ...
```

Creating a new WordPress plugin in the "notice-block" directory.

Creating a "block.json" file.

Creating a "package.json" file.

Installing `@wordpress/scripts` package. It might take a couple of minutes...

# @wordpress/create-block

```
$ npx @wordpress/create-block notice-block ...
```

Formatting JavaScript files.

Compiling block.

**Done: WordPress plugin "Notice Block" bootstrapped in the "notice-block" directory.**

# Your new block



The screenshot shows the WordPress editor interface. At the top, there is a navigation bar with the WordPress logo, a plus sign, a pencil icon, and navigation arrows. On the right side of the navigation bar, there are buttons for "Switch to draft", "Preview", "Update", and a settings gear icon. The main content area displays the title "Notice Test" and a blue notice block with the text "Notice Block – hello from the editor!". A plus sign icon is visible to the right of the notice block, indicating the option to add more blocks. On the right side of the editor, there is a sidebar with various settings and options. The sidebar includes a "Page" tab, a "Block" tab, and a "Status & visibility" section. The "Status & visibility" section shows "Visibility" set to "Public", "Publish" date and time as "June 17, 2022 1:37 pm", and "Author" set to "admin". There is a "Move to trash" button in the sidebar. Below the "Status & visibility" section, there is a "Template: Page" dropdown menu, a "4 Revisions" section, and a "Permalink" section. A blue brushstroke underline is drawn across the bottom of the screenshot.

Notice Test

Notice Block – hello from the saved content!

# @wordpress/create-block

```
$ npx @wordpress/create-block notice-block ...
```

You can run several commands inside:

```
$ npm start
```

Starts the build for development.

```
$ npm run build
```

Builds the code for production.

...

# @wordpress/create-block

```
$ npx @wordpress/create-block notice-block ...
```

To enter the directory type:

```
$ cd notice-block
```

You can start development with:

```
$ npm start
```

Code is Poetry

# @wordpress/create-block

```
$ ls notice-block
```

build/

- block.json
- index.asset.php
- index.css
- index.js
- style-index.css

**notice-block.php**

package.json

readme.txt

**src/**

- **block.json**
- **edit.js**
- **editor.scss**
- **index.js**
- **save.js**
- **style.scss**

**src? build?**

# Block Registration

notice-block.php

```
/**
 * Registers the block using the metadata loaded from the `block.json` file.
 * Behind the scenes, it registers also all assets so they can be enqueued
 * through the block editor in the corresponding context.
 *
 * @see https://developer.wordpress.org/reference/functions/register_block_type/
 */
function ryelle_notice_block_block_init() {
    register_block_type( __DIR__ . '/build' );
}
add_action( 'init', 'ryelle_notice_block_block_init' );
```



# Block Registration

block.json

```
{
  "$schema": "https://schemas.wp.org/trunk/block.json",
  "apiVersion": 2,
  "name": "ryelle/notice-block",
  "version": "0.1.0",
  "title": "Notice Block",
  "category": "design",
  "icon": "flag",
  "description": "Add a color-coded notice to your post.",
  "supports": {
    "html": false
  },
  "textdomain": "notice-block",
  "editorScript": "file:./index.js",
  "editorStyle": "file:./index.css",
  "style": "file:./style-index.css"
}
```

# Block Registration

index.js

```
/**
 * WordPress dependencies
 */
import { registerBlockType } from '@wordpress/blocks';

/**
 * Internal dependencies
 */
import Edit from './edit';
import save from './save';
import metadata from './block.json';

registerBlockType( metadata.name, {
  edit: Edit,
  save,
} );
```

# edit vs save

The image shows two screenshots of the WordPress editor interface, illustrating the difference between editing and saving content. A blue brushstroke separates the two states.

**Top Screenshot (Editing state):**

- Header: WordPress logo, navigation icons (+, edit, undo, redo, info, menu), and buttons for "Switch to draft", "Preview", "Update", and settings.
- Main Content: A large heading "Notice Test" and a blue notice block containing the text "Notice Block – hello from the editor!".
- Right Sidebar: Shows page settings including "Status & visibility", "Visibility: Public", "Publish: June 17, 2022 1:37 pm", "Author: admin", and a "Move to trash" button.

**Bottom Screenshot (Editing code state):**

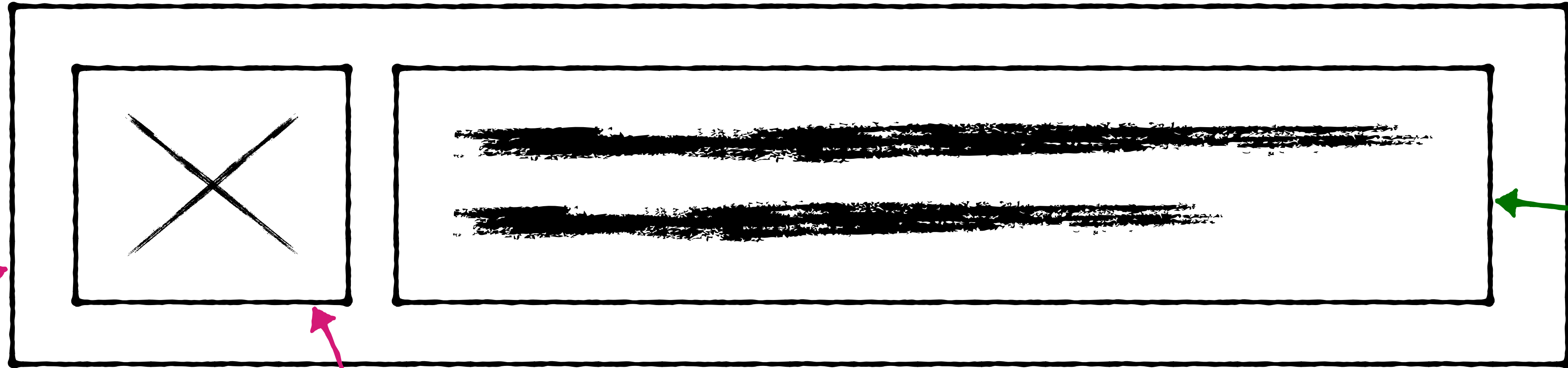
- Header: "Editing code" label and "Exit code editor" button.
- Main Content: A code editor showing the HTML structure of the notice block:

```
<!-- wp:ryelle/notice-block -->  
<p class="wp-block-ryelle-notice-block">Notice Block – hello from the saved content!</p>  
<!-- /wp:ryelle/notice-block -->
```
- Right Sidebar: Identical to the top screenshot, showing page settings.

**Making it  
your own**



# Notice Block



Box style and icon depend on a "type" from a dropdown

Text should be editable directly, and allow formatting like bold, italics.

# Anatomy

The screenshot displays the WordPress Gutenberg editor interface. At the top left is the WordPress logo and a toolbar with icons for adding blocks, editing, undo, redo, help, and a menu. Below the toolbar is a 'G' icon representing the current block. A green box highlights the block toolbar, which includes icons for alignment, list creation, indentation, heading selection (H1), bold text, italic text, link, and a more options menu. A pink box highlights the main content area containing the heading text: "Say Hello to Gutenberg, the WordPress Editor". Below the heading is a paragraph of text: "Experience the flexibility that blocks allow, whether you're building your first site or write code for a living." and a button labeled "Try Gutenberg today in WordPress". On the right side, a settings panel is open, showing options for the heading block. The panel includes sections for Document, Block, Heading (with a description), Color (Text, Background, Link), Typography (Size, Level 6, Appearance, Letter case), Dimensions, and Advanced. At the bottom of the editor, a breadcrumb trail reads: "Document > Group > Columns > Column > Stack > Heading".

WordPress logo + Edit Undo Redo Help Menu

G

Alignment List Indent Bold Italic Link More

# Say Hello to Gutenberg, the WordPress Editor

Experience the flexibility that blocks allow, whether you're building your first site or write code for a living.

[Try Gutenberg today in WordPress](#)

Preview Publish Settings

Document Block

Heading  
Introduce new sections and organize content to help visitors (and search engines) understand the structure of your content.

Color

- Text
- Background
- Link

Typography

Size

Level 6

Appearance Letter case

Default AB ab Ab

Dimensions +

Advanced v

Document > Group > Columns > Column > Stack > Heading

**1. type attribute**

# 1. type attribute

block.json

```
"attributes": {  
  "type": {  
    "type": "string",  
    "default": "info",  
    "enum": [ "info", "warning", "error", "success" ]  
  }  
},
```



# 1. type attribute

edit.js

```
function Edit( { attributes, setAttributes } ) {  
    const { type } = attributes;  
  
    // rest of the function . . .  
}
```

# 1. type attribute

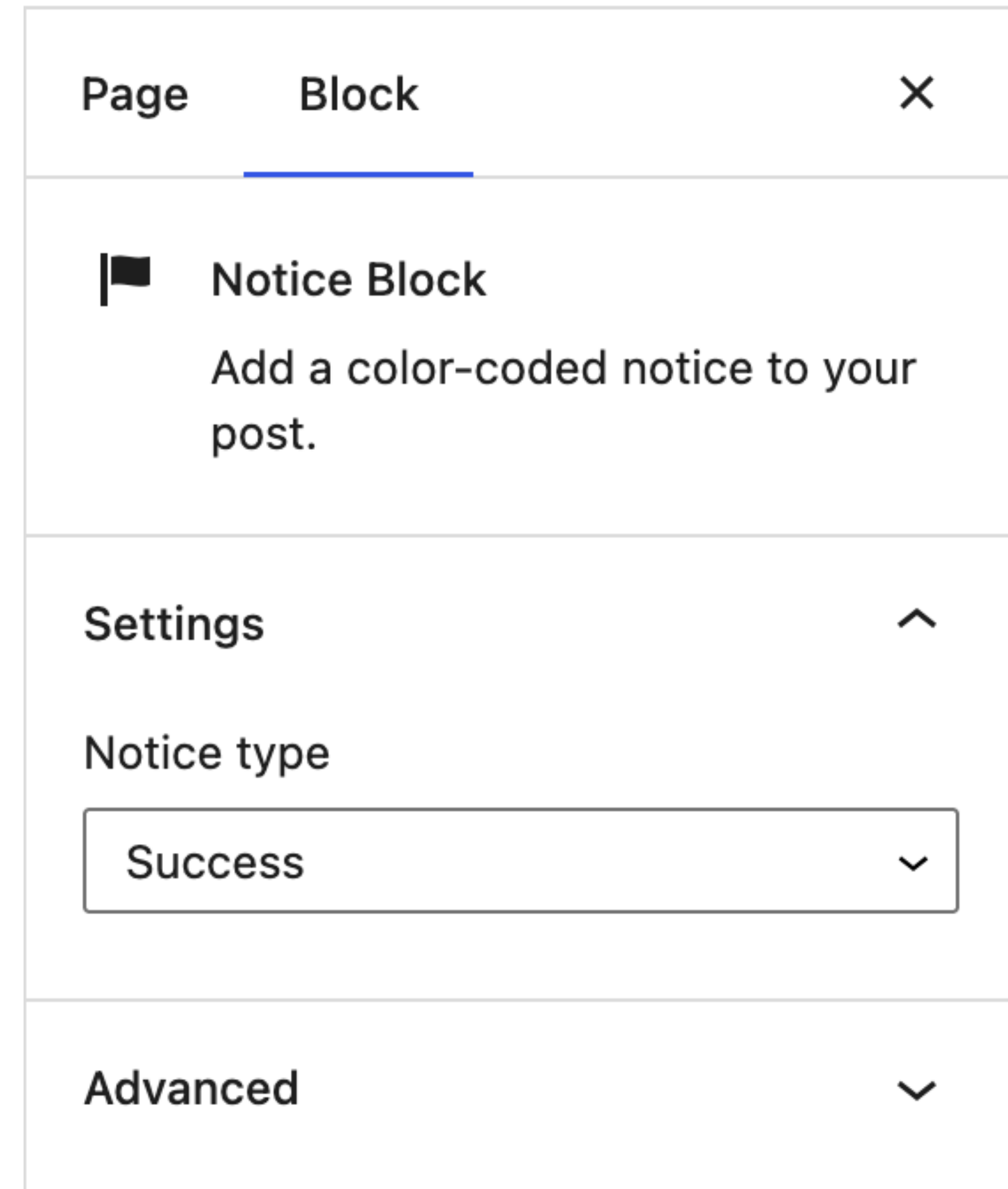
edit.js

```
function Edit( { attributes, setAttributes } ) {  
  const { type } = attributes;  
  const className = `is-${ type }-notice`;  
  
  return (  
    <>  
    <InspectorControls . . . />  
    <div { ...useBlockProps( { className } ) }>  
      . . .  
    </div>  
  </>  
  );  
}
```

# 1. type attribute

edit.js

```
<InspectorControls>  
  <PanelBody title="Settings">  
    <SelectControl  
      label="Notice type"  
      value={ type }  
      options={ typeOptions }  
      onChange={ ( newValue ) =>  
        setAttributes( { type: newValue } )  
      }  
    />  
  />
```





# 1. type attribute

save.js

```
function save( { attributes } ) {  
  const { type } = attributes;  
  const className = `is-${ type }-notice`;  
  
  return (  
    <div { ...useBlockProps.save( { className } ) }>  
      . . .  
    </div>  
  );  
}
```

# 1. type attribute

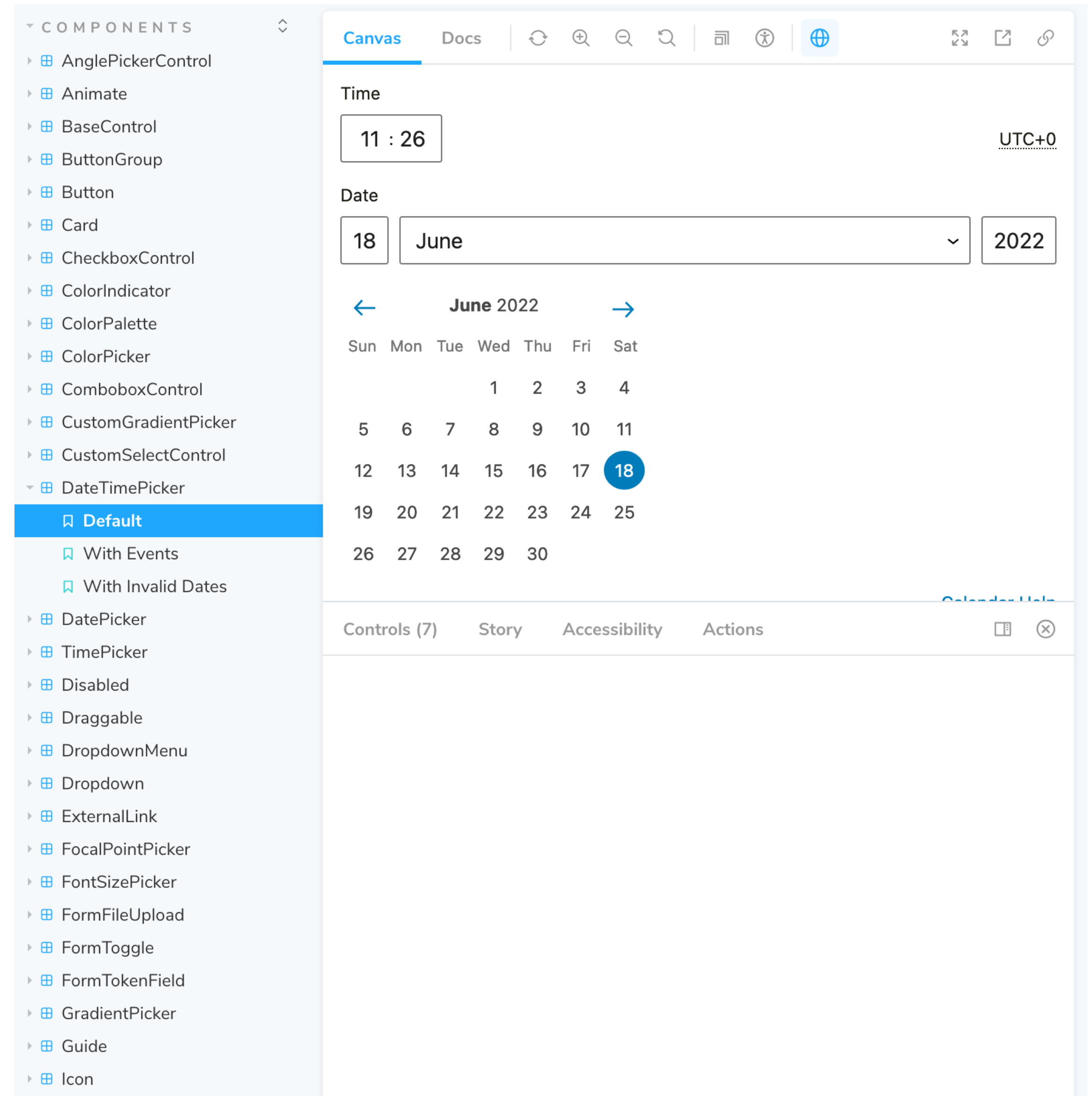
Code Editor view

```
←!— wp:ryelle/notice-block {"type":"warning"} →  
<div class="wp-block-ryelle-notice-block is-warning-notice">  
  <div class="wp-block-ryelle-notice-block__icon">  
    <svg . . . />  
  </div>  
  <div class="wp-block-ryelle-notice-block__content">  
    <p>Notice Block - hello from the saved content!</p>  
  </div>  
</div>  
←!— /wp:ryelle/notice-block →
```

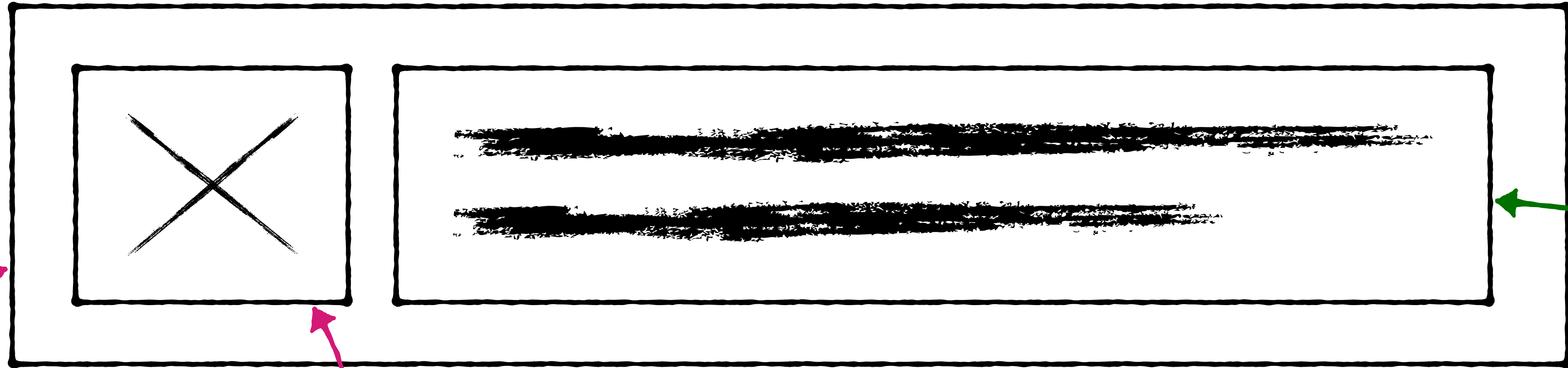
# @wordpress/ components

<https://developer.wordpress.org/block-editor/reference-guides/components/>

<https://wordpress.github.io/gutenberg/>



# Notice Block



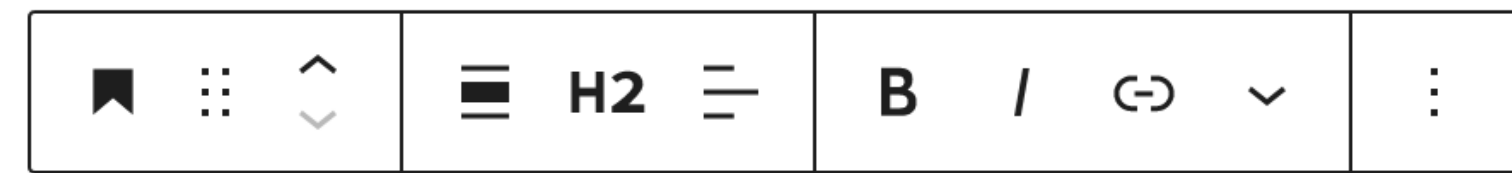
Box style and icon  
depend on a "type"  
from a dropdown ✓

Text should be editable  
directly, and allow formatting  
like bold, italics.



## **2. content attribute**

# RichText Component



RichText Example

A screenshot of a WordPress rich text editor interface. At the top, there is a WordPress logo and a toolbar with icons for adding content, undo, redo, and help. Below this is a secondary toolbar with icons for image, list, link, unlink, text, and a 'Replace' button. The main content area features a landscape image of a coastline at sunrise. A small floating toolbar is positioned over the bottom right of the image. To the right of the image is a settings sidebar with sections for 'Post', 'Image', 'Styles', and 'Settings'. The 'Image' section includes an 'Alt text' field and a 'Describe this image' link. The 'Settings' section includes 'Image size' (set to 'Large') and 'Image dimensions' (Width: 1024, Height: 25% and 50%).

## 2. content attribute

edit.js

```
<>
```

```
<InspectorControls . . . />  
<div { ...useBlockProps( { className } ) }>  
  <div className="wp-block-ryelle-notice-block__icon">  
    <Icon icon={ icon } />  
  </div>  
  <RichText  
    tagName="div"  
    multiline="p"  
    className="wp-block-ryelle-notice-block__content"  
    onChange={ ( newContent ) => {  
      setAttributes( { content: newContent } );  
    } }  
    value={ content }  
  />  
</div>
```

```
</>
```

## 2. content attribute

edit.js

```
<RichText
  tagName="div"
  multiline="p"
  className="wp-block-ryelle-notice-block__content"
  onChange={ ( newContent ) => {
    setAttributes( { content: newContent } );
  } }
  value={ content }
```

/>

## 2. content attribute

block.json

```
"attributes": {  
  "content": {  
    "type": "string",  
    "source": "html",  
    "selector": ".wp-block-ryelle-notice-block__content",  
    "multiline": "p"  
  },  
  "type": {  
    . . .  
  }  
}
```

## 2. content attribute

Code Editor view

```
←!— wp:ryelle/notice-block →  
<div class="wp-block-ryelle-notice-block is-info-notice">  
  <div class="wp-block-ryelle-notice-block__icon"><svg /  
></div>  
  <div class="wp-block-ryelle-notice-block__content">  
    <p>This post was last updated in June 2022. View more  
<a href="#">articles in this category</a>.</p>  
  </div>  
</div>  
←!— /wp:ryelle/notice-block →
```

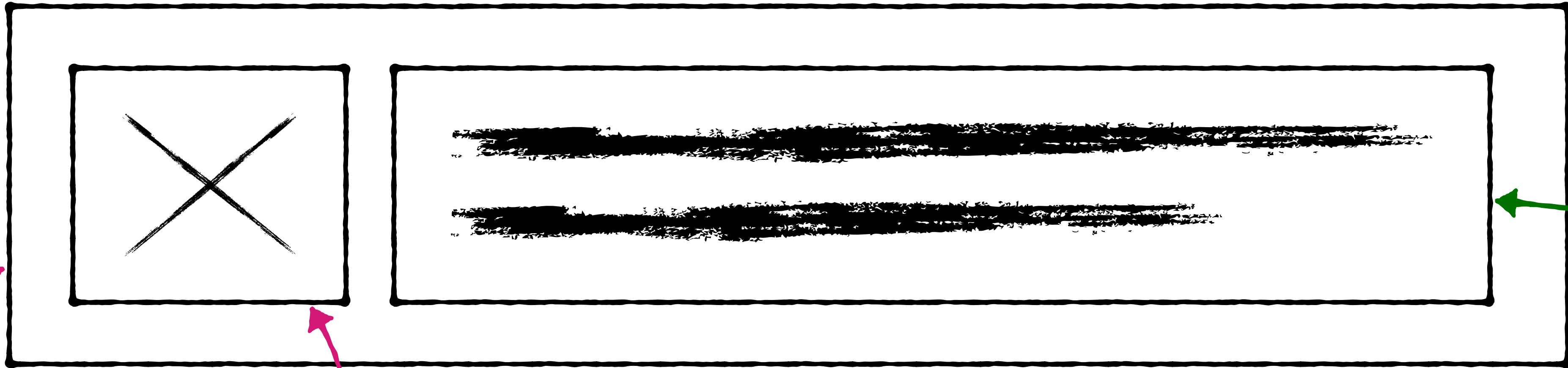
## 2. content attribute

save.js

```
function save( { attributes } ) {
  const { content, type } = attributes;
  const className = `is-${ type }-notice`;

  return (
    <div { ...useBlockProps.save( { className } ) }>
      . . .
      <div className="wp-block-ryelle-notice-block__content">
        <RichText.Content multiline="p" value={ content } />
      </div>
    </div>
  );
}
```

# Notice Block



Box style and icon  
depend on a "type"  
from a dropdown ✓

Text should be editable  
directly, and allow formatting  
like bold, italics. ✓



# **3. Block Supports**

# 3. Block supports

*the options*

anchor

align

alignWide

className

customClassName

inserter

multiple

reusable

color

text

background

link

gradients

html

lock

spacing

margin

padding

blockGap

typography

fontSize

lineHeight

# 3. Block supports

`block.json`

```
"supports": {  
  "align": true,  
  "spacing": {  
    "margin": [ "top", "bottom" ],  
    "padding": true,  
    "blockGap": false  
  },  
  "typography": {  
    "fontSize": true,  
    "lineHeight": true  
  }  
},
```

# 3. Block supports

Typography

Spacing

Alignment

The screenshot displays the WordPress Gutenberg editor interface. At the top, there is a toolbar with icons for adding blocks, editing, undo, redo, help, and a menu. On the right, there are buttons for 'Switch to draft', 'Preview', 'Update', and a settings gear icon. The main content area shows a 'Notice Block' with a light blue background and an information icon. The text inside the notice reads: 'This post was last updated in June 2022. View more [articles in this category](#).' Below the notice, there are two paragraphs of placeholder text with red dotted underlines. The first paragraph is: 'Pharetra magna ac placerat vestibulum lectus mauris ultrices eros. Sem fringilla ut morbi tincidunt augue interdum velit. Aliquam purus sit amet luctus venenatis lectus. Semper viverra nam libero justo laoreet.' The second paragraph is: 'Eget gravida cum sociis natoque penatibus et magnis. Proin fermentum leo vel orci porta non pulvinar. Aliquam ut porttitor leo a diam sollicitudin tempor. Vitae ultricies leo integer malesuada nunc. Lacinia at quis risus sed vulputate odio ut enim. Nunc sed augue lacus viverra vitae.' Below the second paragraph, there is another 'Notice Block' with a light yellow background and an exclamation mark icon. The text inside reads: 'This notice is left-aligned.' To the right of this notice, there is more placeholder text: 'Ut eu sem integer vitae. Sagittis purus sit amet volutpat consequat mauris. Pellentesque habitant morbi tristique senectus et netus et malesuada fames. Mauris cursus mattis molestie a iaculis at erat pellentesque. Vitae congue mauris rhoncus aenean vel elit scelerisque mauris.' At the bottom, there is a final line of placeholder text: 'Lectus urna dui convallis convallis tellus.' On the right side of the editor, the 'Block' settings panel is open, showing the 'Notice Block' settings. The 'Notice type' is set to 'Informational'. The 'Typography' section shows 'Size (Custom)' set to 1.5 and 'Line height' set to 1.4. The 'Dimensions' section shows 'Padding' set to 20 px and 'Margin' set to 0 and 2. The 'Advanced' section is collapsed.

# Troubleshooting

# Troubleshooting

This block contains unexpected or invalid content.

[Attempt Block Recovery](#)

...



This post was last updated in June 2022. [View more articles in this category.](#)

**ERROR** in ./src/edit.js

Module build failed (from ./node\_modules/babel-loader/lib/index.js):

SyntaxError: /Users/ryelle/Sites/personal-site/content/plugins/notice-block/src/edit.js: Unexpected token, expected "," (58:6)

```
56 |         controls={ typeOptions.map( ( { label, value } ) => ( {
57 |             title: label
> 58 |             icon: <Icon type={ value } />,
      |             ^
59 |             isActive: value === type,
60 |             onClick: () => setAttributes( { type: value } ),
61 |         } ) ) }
```

at instantiate (/Users/ryelle/Sites/personal-site/content/plugins/notice-block/node\_modules/@babel/parser/lib/index.js:72:32)

at constructor (/Users/ryelle/Sites/personal-site/content/plugins/notice-block/node\_modules/@babel/parser/lib/index.js:358:12)

at Object.raise (/Users/ryelle/Sites/personal-site/content/plugins/notice-block/node\_modules/@babel/parser/lib/index.js:3341:19)

at Object.unexpected (/Users/ryelle/Sites/personal-site/content/plugins/notice-block/node\_modules/@babel/parser/lib/index.js:3379:16)

at Object.expect (/Users/ryelle/Sites/personal-site/content/plugins/notice-block/node\_modules/@babel/parser/lib/index.js:4008:28)

at Object.parseObjectLike (/Users/ryelle/Sites/personal-site/content/plugins/notice-block/node\_modules/@babel/parser/lib/index.js:13590:14)

at Object.parseExprAtom (/Users/ryelle/Sites/personal-site/content/plugins/notice-block/node\_modules/@babel/parser/lib/index.js:12993:23)

at Object.parseExprAtom (/Users/ryelle/Sites/personal-site/content/plugins/notice-block/node\_modules/@babel/parser/lib/index.js:8041:20)

at Object.parseExprSubscripts (/Users/ryelle/Sites/personal-site/content/plugins/notice-block/node\_modules/@babel/parser/lib/index.js:12643:23)

at Object.parseUpdate (/Users/ryelle/Sites/personal-site/content/plugins/notice-block/node\_modules/@babel/parser/lib/index.js:12622:21)

@ ./src/index.js 9:0-26 17:8-12

webpack 5.73.0 compiled with **1 error** and **1 warning** in 1900 ms

npm **ERR!** code ELIFECYCLE

npm **ERR!** errno 1

npm **ERR!** notice-block@0.1.0 build: `wp-scripts build`

npm **ERR!** Exit status 1

npm **ERR!**

npm **ERR!** Failed at the notice-block@0.1.0 build script.

npm **ERR!** This is probably not a problem with npm. There is likely additional logging output above.

npm **ERR!** A complete log of this run can be found in:

npm **ERR!** /Users/ryelle/.npm/\_logs/2022-06-19T16\_47\_49\_705Z-debug.log

**ERROR** in ./src/edit.js

Module build failed (from ./node\_modules/babel-loader/lib/index.js):

SyntaxError: /Users/ryelle/Sites/personal-site/content/plugins/notice-block/src/edit.js: Unexpected token, expected "," (58:6)

```
56 |         controls={ typeOptions.map( ( { label, value } ) => ( {
57 |           title: label
> 58 |           icon: <Icon type={ value } />,
    |           ^
59 |           isActive: value === type,
60 |           onClick: () => setAttributes( { type: value } ),
61 |         } ) ) }
```

at instantiate (/Users/ryelle/Sites/personal-site/content/plugins/notice-block/node\_modules/@babel/parser/lib/index.js:72:32)

at constructor (/Users/ryelle/Sites/personal-site/content/plugins/notice-block/node\_modules/@babel/parser/lib/index.js:358:12)

at Object.raise (/Users/ryelle/Sites/personal-site/content/plugins/notice-block/node\_modules/@babel/parser/lib/index.js:3341:19)

at Object.unexpected (/Users/ryelle/Sites/personal-site/content/plugins/notice-block/node\_modules/@babel/parser/lib/index.js:3379:16)

at Object.expect (/Users/ryelle/Sites/personal-site/content/plugins/notice-block/node\_modules/@babel/parser/lib/index.js:4008:28)

at Object.parseObjectLike (/Users/ryelle/Sites/personal-site/content/plugins/notice-block/node\_modules/@babel/parser/lib/index.js:13590:14)

at Object.parseExprAtom (/Users/ryelle/Sites/personal-site/content/plugins/notice-block/node\_modules/@babel/parser/lib/index.js:12993:23)

at Object.parseExprAtom (/Users/ryelle/Sites/personal-site/content/plugins/notice-block/node\_modules/@babel/parser/lib/index.js:8041:20)

at Object.parseExprSubscripts (/Users/ryelle/Sites/personal-site/content/plugins/notice-block/node\_modules/@babel/parser/lib/index.js:12643:23)

at Object.parseUpdate (/Users/ryelle/Sites/personal-site/content/plugins/notice-block/node\_modules/@babel/parser/lib/index.js:12622:21)

@ ./src/index.js 9:0-26 17:8-12

webpack 5.73.0 compiled with **1 error** and **1 warning** in 1900 ms

npm **ERR!** code ELIFECYCLE

npm **ERR!** errno 1

npm **ERR!** notice-block@0.1.0 build: `wp-scripts build`

npm **ERR!** Exit status 1

npm **ERR!**

npm **ERR!** Failed at the notice-block@0.1.0 build script.

npm **ERR!** This is probably not a problem with npm. There is likely additional logging output above.

npm **ERR!** A complete log of this run can be found in:

npm **ERR!** /Users/ryelle/.npm/\_logs/2022-06-19T16\_47\_49\_705Z-debug.log



# 4. BlockControls

# Anatomy

The screenshot displays the WordPress Gutenberg editor interface. At the top, the WordPress logo is on the left, and a toolbar with icons for adding blocks, editing, undo, redo, help, and a menu is on the right. Below the toolbar, a heading block is selected, indicated by a green outline. The block's content is "Say Hello to Gutenberg, the WordPress Editor", which is enclosed in a pink rectangular box. The block's settings panel is open on the right side, also outlined in green. The settings panel has tabs for "Document" and "Block", with "Block" selected. The "Block" settings include a description of the heading block, a "Color" section with options for Text, Background, and Link, a "Typography" section with a "Size" dropdown set to "Level 6" and "Appearance" set to "Default", and a "Letter case" section with options for "AB", "ab", and "Ab". Below the heading block, there is a paragraph of text: "Experience the flexibility that blocks allow, whether you're building your first site or write code for a living." and a button that says "Try Gutenberg today in WordPress". At the bottom of the editor, there is a blue horizontal line with a plus sign icon. Below the editor, there is a footer text: "This page was built with blocks — pieces of content that you can move around. Click around to explore them." and a breadcrumb trail: "Document > Group > Columns > Column > Stack > Heading".

WordPress logo | + | Edit | Undo | Redo | Help | Menu

Document | Block | X

**Heading**  
Introduce new sections and organize content to help visitors (and search engines) understand the structure of your content.

Color

- Text
- Background
- Link

Typography

Size: Level 6

Appearance: Default | Letter case: AB ab Ab

Dimensions: +

Advanced: v

Try Gutenberg today in WordPress

Experience the flexibility that blocks allow, whether you're building your first site or write code for a living.

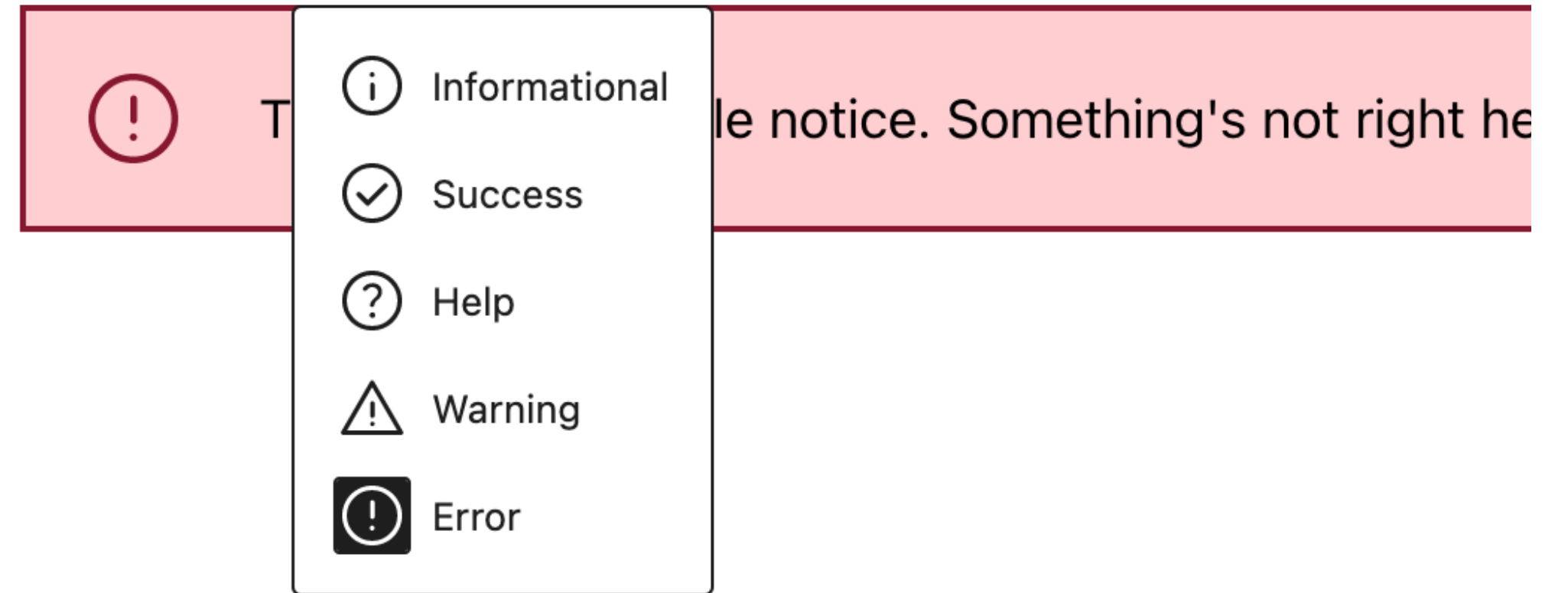
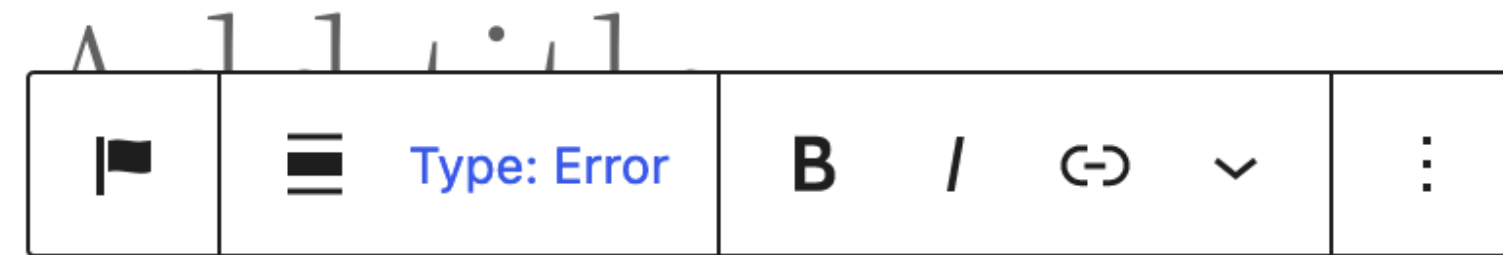
This page was built with blocks — pieces of content that you can move around. Click around to explore them.

Document > Group > Columns > Column > Stack > Heading

# 4. BlockControls

edit.js

```
<BlockControls group="block">  
  <ToolbarDropDownMenu  
    text={ sprintf(  
      __( 'Type: %s', 'notice-block' ),  
      getOptionLabel( type )  
    ) }  
    icon={ false }  
    controls={ typeOptions }  
  />  
</BlockControls>
```



# 4. BlockControls

The screenshot displays the WordPress Block Editor interface. At the top, the WordPress logo is on the left, followed by a toolbar with icons for adding blocks (+), editing (pencil), undo (left arrow), redo (right arrow), help (i), and a menu (three horizontal lines). On the right side of the top bar, there are buttons for 'Save draft', 'Preview', 'Publish', a settings gear icon, and a vertical ellipsis menu icon.

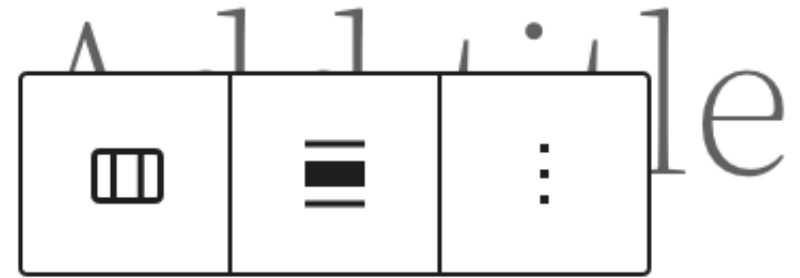
The main content area shows a 'Notice Block' with a red background and a white border. Above the notice is a block control bar with the following elements: a flag icon, a list icon, the text 'Type: Error', a bold icon (B), a slash icon (/), a link icon (G), a dropdown arrow (v), and a vertical ellipsis menu icon. Above the control bar are several small icons: a triangle, a vertical bar, a vertical bar, a vertical bar with a dot, and a vertical bar.

The notice itself contains a red exclamation mark icon and the text: 'This is an error-style notice. Something's not right here.'

On the right side of the editor, there is a sidebar with a 'Page' tab and a 'Block' tab. The 'Block' tab is active and shows a close button (X). Below the tabs, the 'Notice Block' is listed with the description 'Add a color-coded notice to your post.' Below this, there are three expandable sections: 'Typography' with a plus sign (+), 'Dimensions' with a plus sign (+), and 'Advanced' with a downward arrow (v).

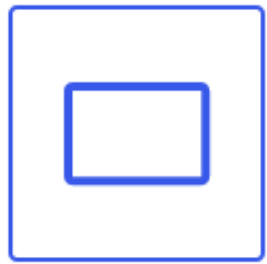
At the bottom of the sidebar, there is a breadcrumb trail: 'Page > Notice Block'.

# **5. Block Variations**

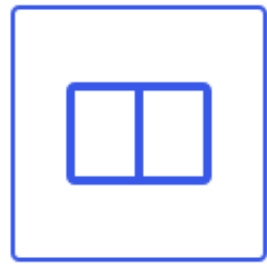


### Columns

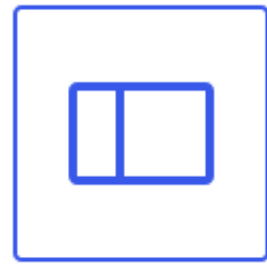
Select a variation to start with.



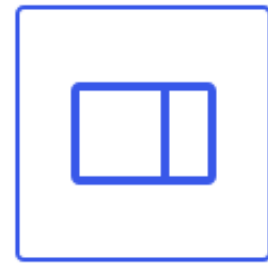
100



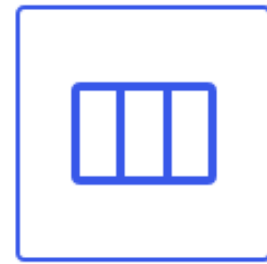
50 / 50



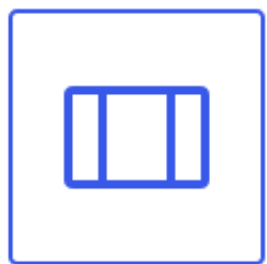
30 / 70



70 / 30



33 / 33 / 33



25 / 50 / 25

[Skip](#)



Previous post

Displays the post link that precedes the current post.



Group

Gather blocks in a layout container.



# 5. Block variations

index.js

```
registerBlockType( metadata.name, {
  edit: Edit,
  save,
  variations: [
    {
      name: 'info',
      title: "Informational Notice"
      scope: [ 'transform' ],
      icon: () => <Icon type="info" />,
      attributes: { type: 'info' },
      isActive: ( blockAttributes, variationAttributes ) =>
        blockAttributes.type ≡ variationAttributes.type,
    },
  ],
});
```

# 5. Block Variations

The screenshot displays the WordPress Gutenberg editor interface. At the top, the WordPress logo is on the left, followed by a toolbar with icons for adding blocks, editing, undo, redo, help, and a menu. On the right side of the top bar, there are buttons for 'Saved', 'Preview', 'Publish', and a settings gear icon.

The main editing area shows a block toolbar for an 'Informational Notice' block. The toolbar includes an information icon, a 'Type: Informational' dropdown, a bold 'B' icon, a link icon, a dropdown arrow, and a three-dot menu icon. Below the toolbar is a light blue notice box with the text: 'This post was last updated in June 2022. View more [articles in this category.](#)'

On the right side, the 'Block' settings panel is open. It features a title 'Informational Notice' and a description: 'Add a color-coded notice to your post.' Below the description are five icons representing different notice styles: a dark blue box with an 'i', a light blue box with a checkmark, a light blue box with a question mark, a light blue box with a warning triangle, and a light blue box with an exclamation mark. The panel also has expandable sections for 'Typography', 'Dimensions', and 'Advanced'.

At the bottom of the editor, a breadcrumb trail reads 'Page > Informational Notice'.




**Sharing**




## Browse: Block

Block Plugins as used in the Block Directory




**Unlimited Photos**  
☆☆☆☆☆ (0)  
Search over 3 million photos, textures, wallpapers, and more.

Kevin Batdorf  
Fewer than 10 active installations Tested with 6.0




**Button Block – Get fully customizable & multi-functional buttons**  
☆☆☆☆☆ (0)  
Get multi functional buttons

bPlugins LLC  
20+ active installations Tested with 6.0




**Video Gallery Block – Display your videos as gallery in a professional way**  
☆☆☆☆☆ (0)  
Display your videos as gallery in a professional way.

bPlugins LLC  
Fewer than 10 active installations Tested with 6.0




**Jotform Shopping Cart – E-commerce Plugin for Online Merchants**  
★★★★★ (1)  
Jotform Store Builder's WP plugin to embed your online store apps into your websites and...

Jotform  
80+ active installations Tested with 6.0



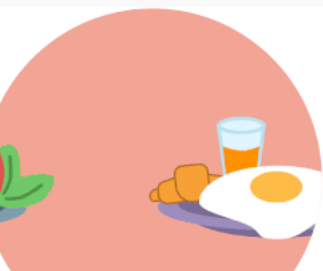
**B Accordion – Add Horizontal / Vertical Accordion in WordPress**  
☆☆☆☆☆ (0)  
Make fully functional accordion to display various contents in a professional way.

bPlugins LLC  
10+ active installations Tested with 6.0




**Omnipress**  
☆☆☆☆☆ (0)  
Omnipress is a ready-made WordPress Design Blocks, similar to the Gutenberg WordPress block editor, that...


everestthemes  
30+ active installations Tested with 5.9.3



**B Carousel Block – Responsive slider**  
☆☆☆☆☆ (0)  
A lightweight and fully functional carousel builder plugin for WordPress



**Image Filters**  
★★★★★ (1)  
Choose from 22 beautiful image filters.

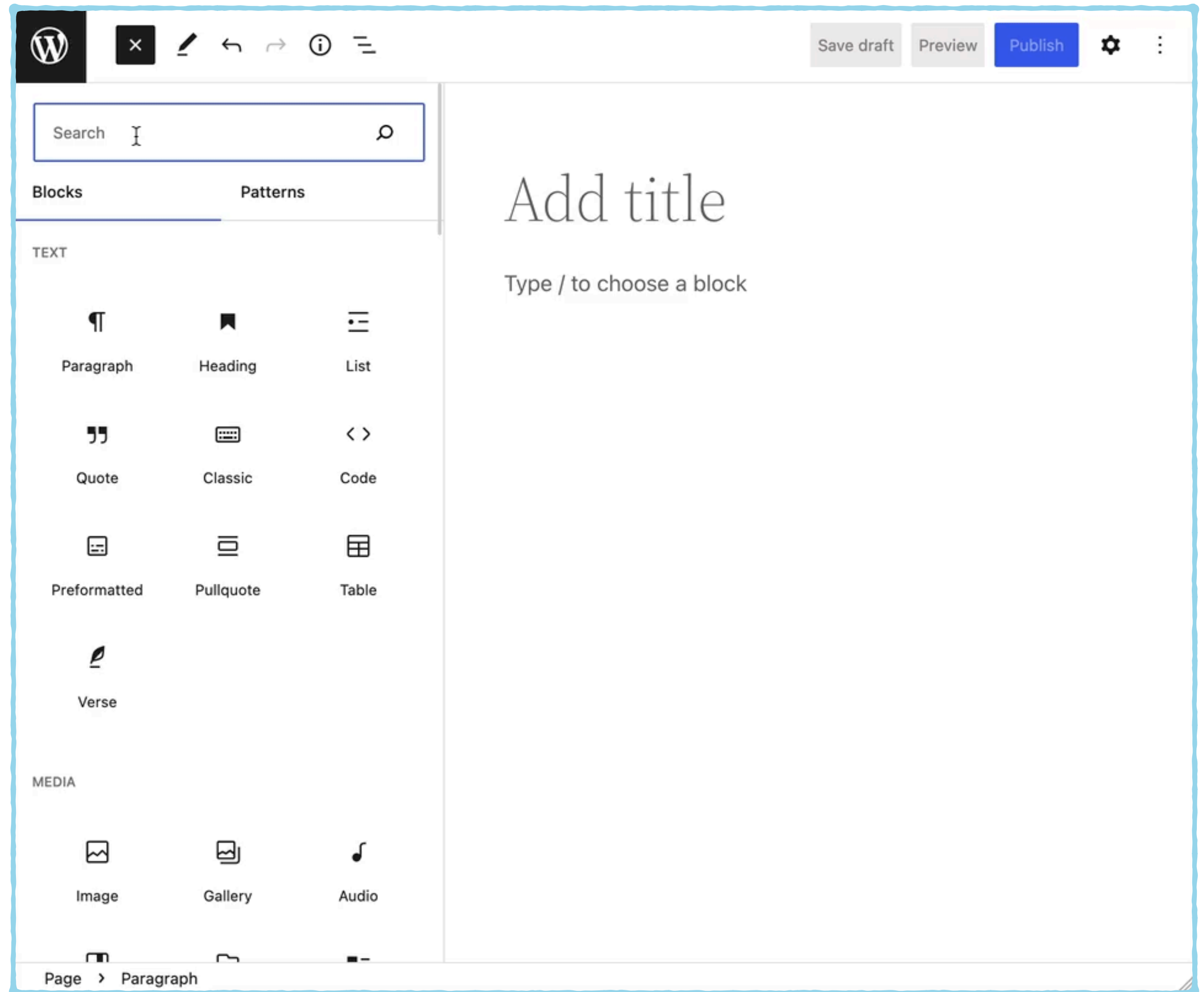


**Portfolio Block – Make and display your portfolio in a professional way**  
☆☆☆☆☆ (0)  
Make and display your portfolio in a professional way.

# Block Directory

<https://wordpress.org/plugins/browse/block/>

# Finding & installing blocks



# Publishing your block plugin

[wordpress.org/plugins/developers/block-plugin-validator/](https://wordpress.org/plugins/developers/block-plugin-validator/)

## Block Plugin Checker

This tool will help determine if a WordPress block plugin is suitable for inclusion in the Block Directory. Enter a SVN repository URL, Github URL, or plugin slug to check. Please note this is a work in progress.

Plugin repo URL

Or upload a plugin ZIP file.

## Results

Results for <https://github.com/ryelle/notice-block.git/branches/error> revision 21

Some problems were found. They need to be addressed for your plugin to be included in the Block Directory.

### FATAL ERRORS

These issues must be fixed before this block can appear in the block directory.

#### ▼ No blocks found in plugin.

To work in the Block Directory, a plugin must register a block. Generally one per plugin (multiple blocks may be permitted if those blocks are interdependent, such as a list block that contains list item blocks).

If your plugin doesn't register a block, it probably belongs in the main Plugin Directory rather than the Block Directory.

[Learn how to create a block.](#)

#### ▼ Issues found in block.json file.

[src/block.json](#): block.json[name] does not match pattern `^[a-z][a-z0-9-]*/[a-z][a-z0-9-]*$`.

### RECOMMENDATIONS

These are suggestions to improve your block. While they are not required for your block plugin to be added to the Block Directory, addressing them will help people discover and use your block.

#### ► No translations are loaded for the scripts.

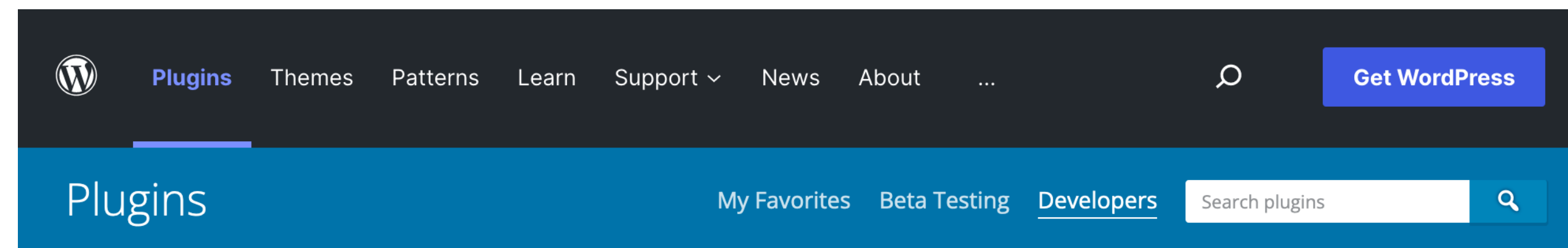
### NOTES

Found a license in readme.txt: GPL-2.0-or-later.

Found the "block" tag in readme.txt.

Found 806 B of PHP code. Thanks for keeping it minimal!

# Publishing your block plugin



## Add Your Plugin

Before you submit your plugin, we ask you to review our [Guidelines](#) and read the [Frequently Asked Questions](#). A brief selection of common questions are listed below the form.

Currently there are 38 plugins awaiting review.

Select File

Maximum allowed file size: 10 MB

- I have read the [Frequently Asked Questions](#).
- This plugin complies with all of the [Plugin Developer Guidelines](#).
- I have permission to upload this plugin to WordPress.org for others to use and share.
- This plugin, all included libraries, and any other included assets are licenced as GPL or are under a GPL compatible license.

Upload

Once submitted, your plugin will be manually reviewed for any common errors as well as ensuring it complies with [all the guidelines](#).

wordpress.org/plugins/developers/add/

# Publishing your block plugin

[wordpress.org/plugins/developers/block-plugin-validator/](https://wordpress.org/plugins/developers/block-plugin-validator/)

## Block Plugin Checker

This tool will help determine if a WordPress block plugin is suitable for inclusion in the Block Directory. Enter a SVN repository URL, Github URL, or plugin slug to check. Please note this is a work in progress.

Plugin repo URL

Or upload a plugin ZIP file.

## Results

Results for <https://plugins.svn.wordpress.org/recipe-block/trunk> revision 2745472

No issues were found. You can add your plugin to the Block Directory.

## PLUGIN REVIEW TOOLS

### Test Results

[Test details](#)

Test passed.

Screenshot from last test run

- [Edit plugin](#)
- [Trac browser](#)

## NOTES

Found a license in readme.txt: GPLv2 or later.

Found the "block" tag in readme.txt.

Found 4 blocks.

Found file `/build/recipe-block.js`.

Found file `/build/recipe-block.css`.

JSON file `assets/js/blocks/recipe-ingredients/block.json` is valid.

JSON file `assets/js/blocks/recipe-meta/block.json` is valid.

JSON file `assets/js/blocks/recipe-directions/block.json` is valid.

ryelle.codes/wcmontclair-2022

**q&a**

#WCMontclair | @ryelle