

**WordCamp**  
Wrocław 2023

# WordPress bez instalacji, komputera, i internetu: Poznaj WordPress Playground

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**Adam Zieliński**



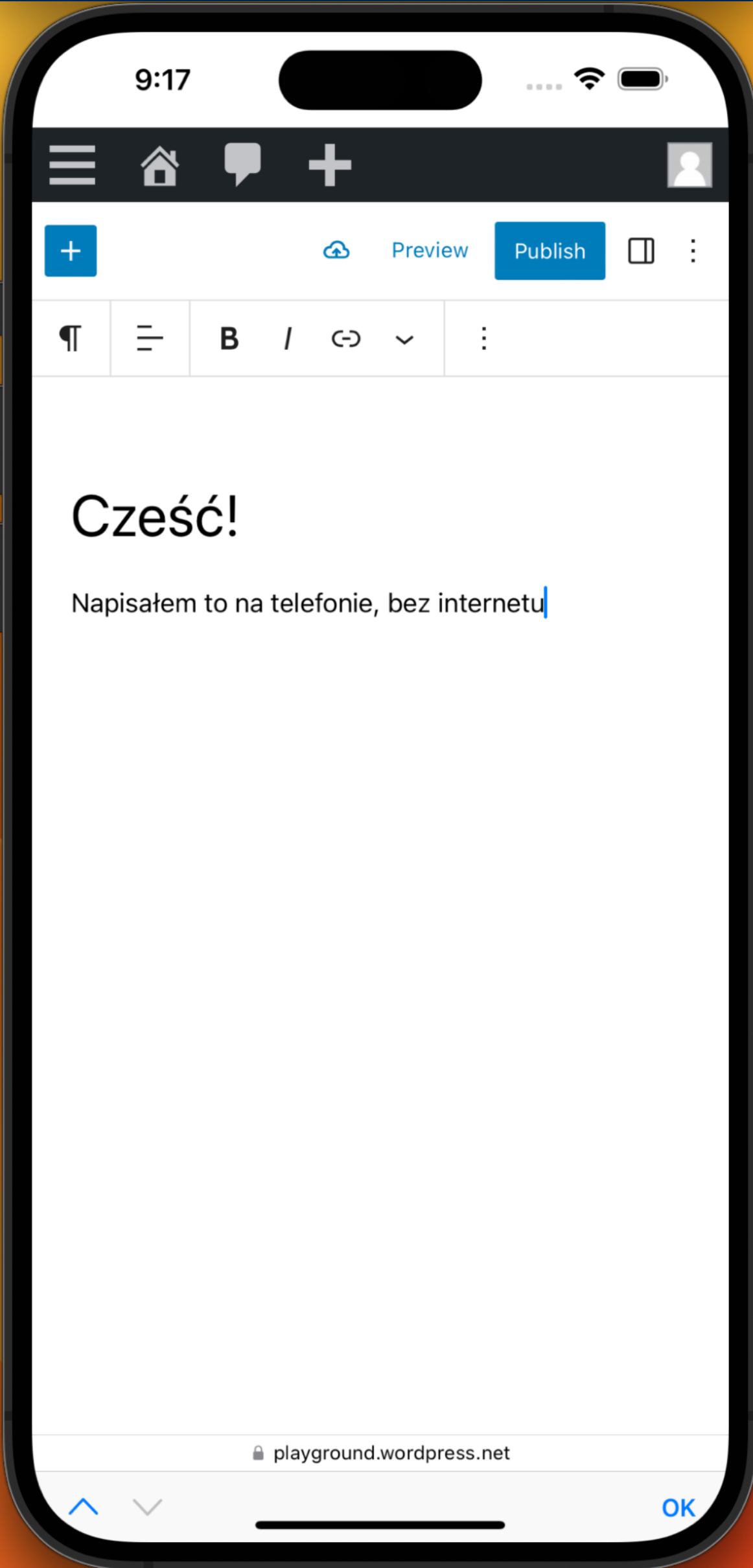
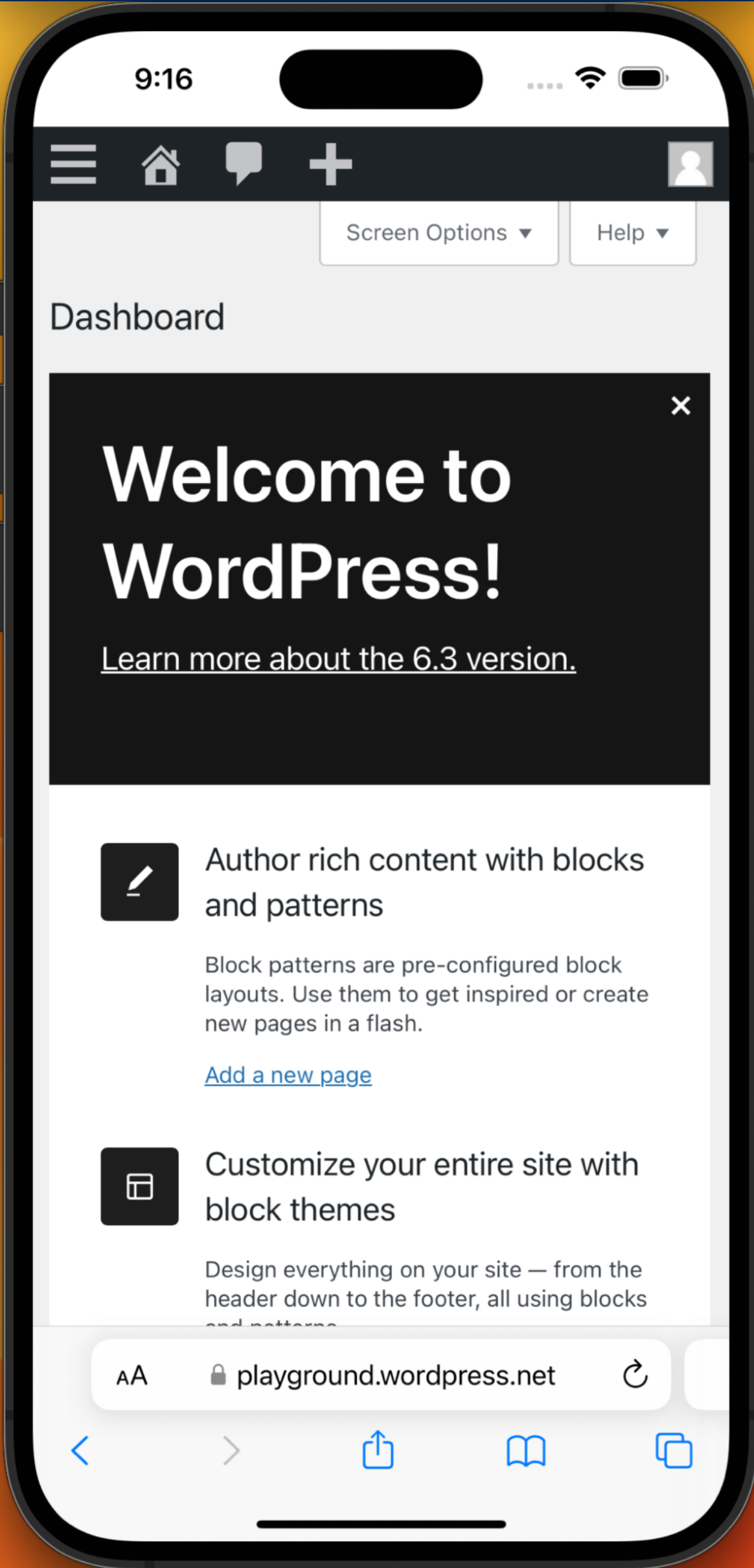
# Ten WordPress działa w przeglądarce!

developer.wordpress.org/playground/



# Ten WordPress działa w przeglądarce!

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Problem:

**WordPress jest trudny**

*/ WordPress jest trudny*

# Instalacja nie trwa 5 minut

Jestem użytkownikiem, chcę użyć WordPressa.

How to install WordPress [Edit](#)

## TOPICS

[Things to Know Before Installing WordPress](#)

[Basic Instructions](#)

[Detailed instructions](#)

- [Step 1: Download and Extract](#)
- [Step 2: Download and Extract](#)
  - [Using phpMyAdmin](#)
- [Step 3: Set up wp-config.php](#)
- [Step 4: Upload the files](#)
  - [In the Root Directory](#)
  - [In a Subdirectory](#)
- [Step 5: Run the Install Script](#)
  - [Setup configuration file](#)
  - [Finishing installation](#)
- [Installing WordPress at popular Hosting Companies](#)
  - [installing WordPress at Atlantic.net](#)
  - [Installing WordPress at AWS](#)
  - [Installing WordPress at DigitalOcean](#)
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  - [Installing WordPress at iPage Hosting](#)
  - [Installing WordPress at Microsoft Azure](#)
- [Common installation problems](#)
- [Changelog](#)

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# Instalacja nie trwa 5 minut

Jestem użytkownikiem, chcę użyć WordPressa.

Ale tu piszą że potrzebuję PHP, MySQL, HTTPS, FTP, Apache...

Więc może innym razem 🙄

## How to install WordPress [Edit](#)

### TOPICS

[Things to Know Before Installing WordPress](#)

[Basic Instructions](#)

[Detailed instructions](#)

- [Step 1: Download and Extract](#)
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  - [Using phpMyAdmin](#)
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Browse: [Home](#) / [How-to Guides](#) / [Create your First App with Gutenberg Data](#) / [Setup](#)

## Setup [Edit](#)

We will build the application as a WordPress plugin, which means you need to have WordPress itself installed. One way to do this is by following the instructions on the [Getting Started](#) page. Once your setup is complete, you can follow along with the rest of this tutorial.

Also, this tutorial will lean heavily on Redux concepts such as state, actions, and selectors. If you are not familiar with them, you may want to start by reviewing [Getting Started With Redux](#).

### [Creating a plugin](#)

We'll do all the development inside of a WordPress plugin. Let's start by creating a `wp-content/plugins/my-first-gutenberg-app` directory in your local WordPress environment. We will need to create four files inside that directory:

- `my-first-gutenberg-app.php` – to create a new admin page
- `src/index.js` – for our JavaScript application
- `style.css` – for the minimal stylesheet
- `package.json` – for the build process

Go ahead and create these files using the following snippets:

`src/index.js`:

```
1 import { render } from '@wordpress/element';
2
3 function MyFirstApp() {
4   return <span>Hello from JavaScript!</span>;
5 }
6
7 window.addEventListener(
8   'load',
9   function () {
10     render(
11       <MyFirstApp />,
12       document.querySelector( '#my-first-gutenberg-app
13     );
14   },
15   false
16 );
```

*/ WordPress jest trudny*

# Nauka wymaga determinacji

Jestem programistą. Chcę nauczyć się WordPressa.

Browse: [Home](#) / [How-to Guides](#) / [Create your First App with Gutenberg Data](#) / [Setup](#)

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```

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# Nauka wymaga determinacji

Jestem programistą. Chcę nauczyć się WordPressa. Tylko, że:

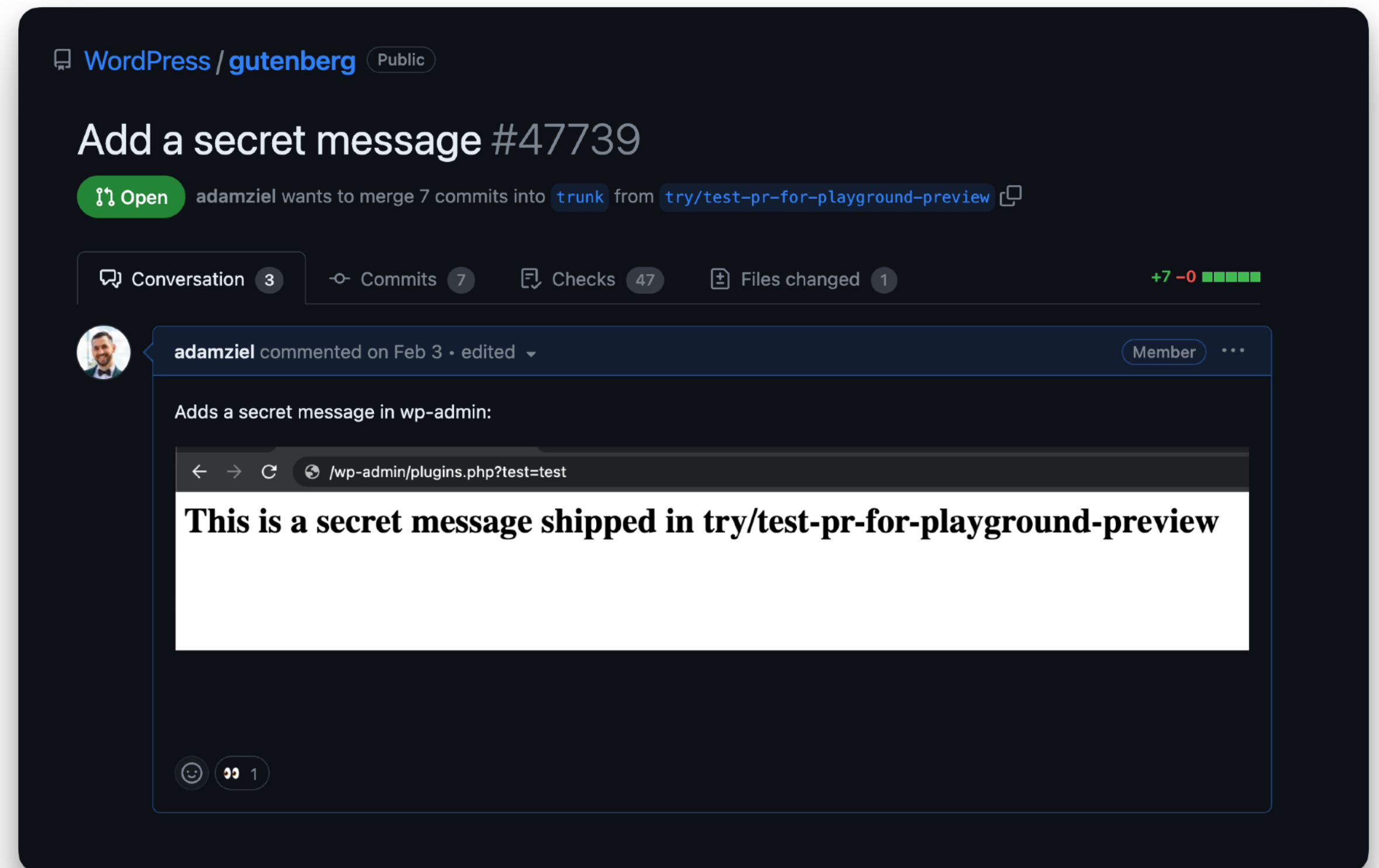
- Setup jest trudny
- Ciągłe przeklejam kod
- Na filmiku jest coś inaczej niż u mnie

Więc może nauczę się Shopify? 🙄

*/ WordPress jest trudny*

# Testowanie wymaga wiedzy lub serwerów

Jestem designerem. Chcę przetestować Pull Request.



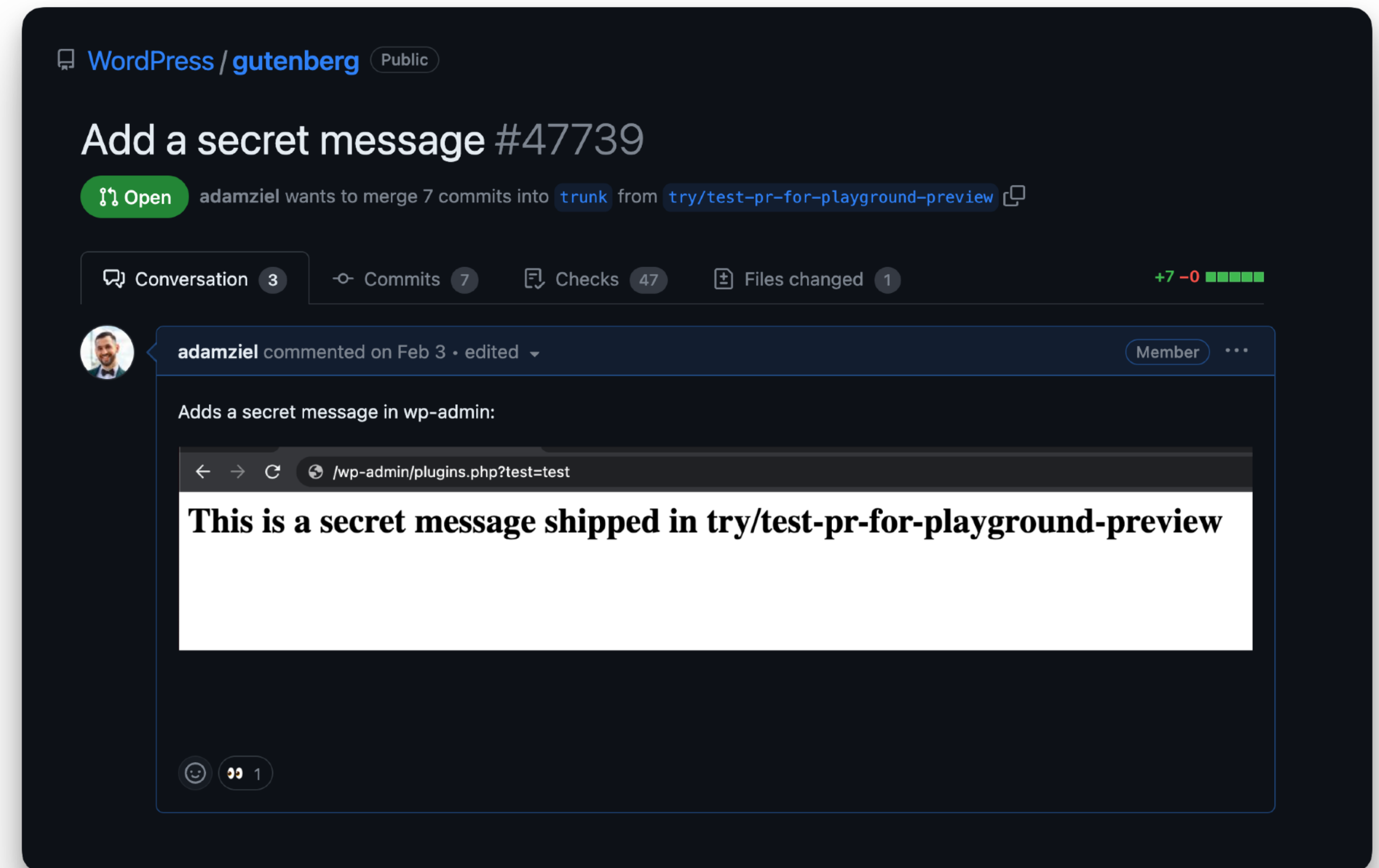
*/ WordPress jest trudny*

# Testowanie wymaga wiedzy lub serwerów

Jestem designerem. Chcę przetestować Pull Request.

Gdybym tylko miał środowisko lokalne albo staging...

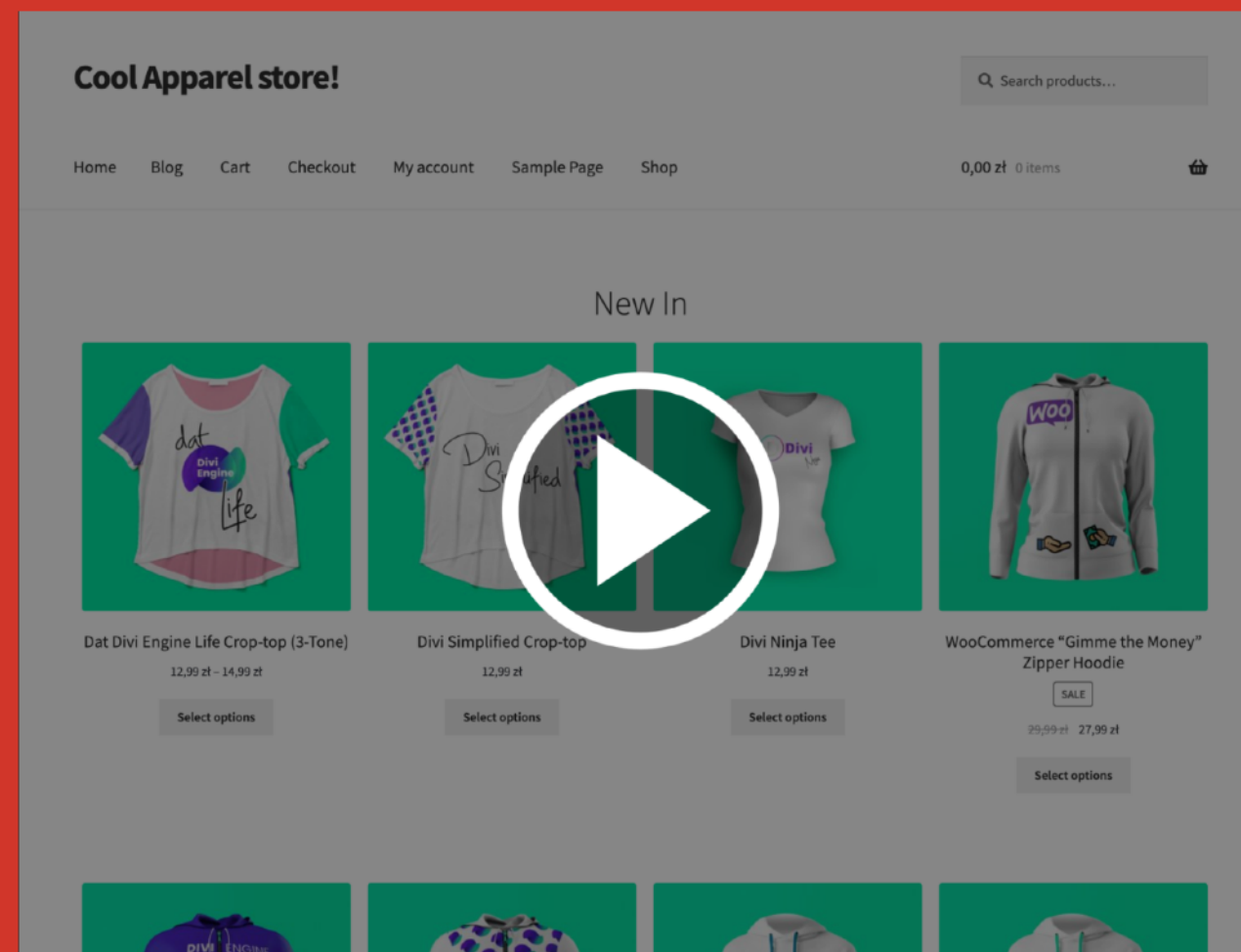
Ale nie mam 🙄



# Apparelly

## Woo Plugin For Selling Apparel

Buy now \$99

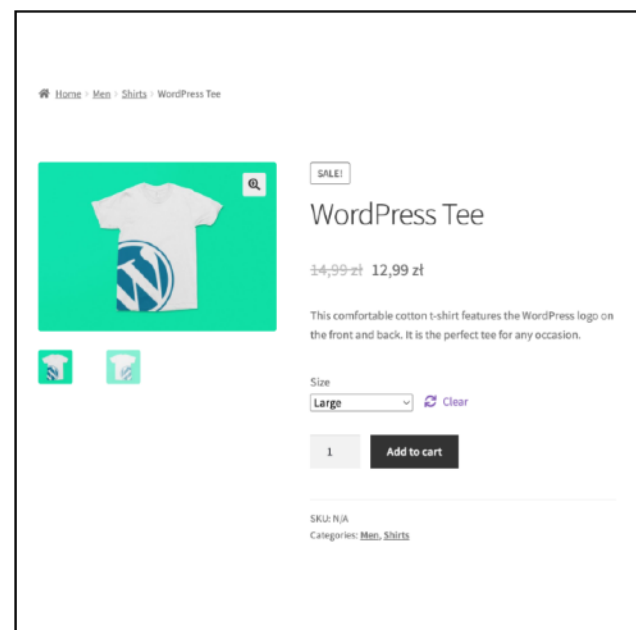


*/ WordPress jest trudny*

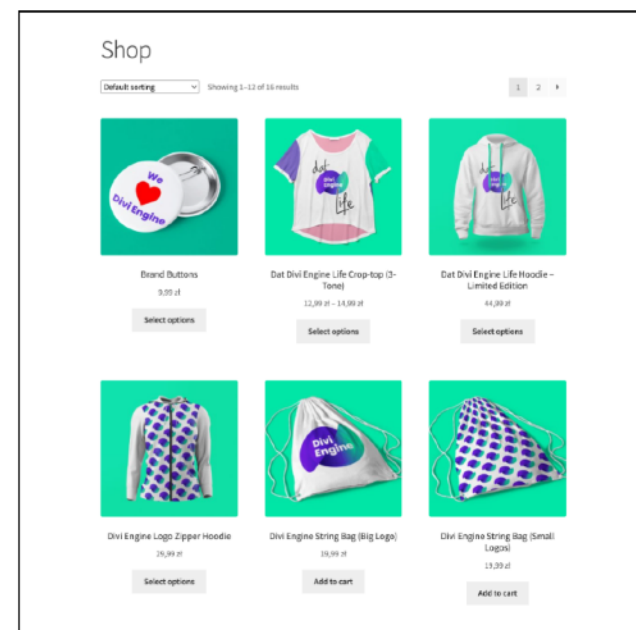
# Niewiele wtyczek ma demo

Jestem firmą, chcę dać klientom wypróbować moją wtyczkę.

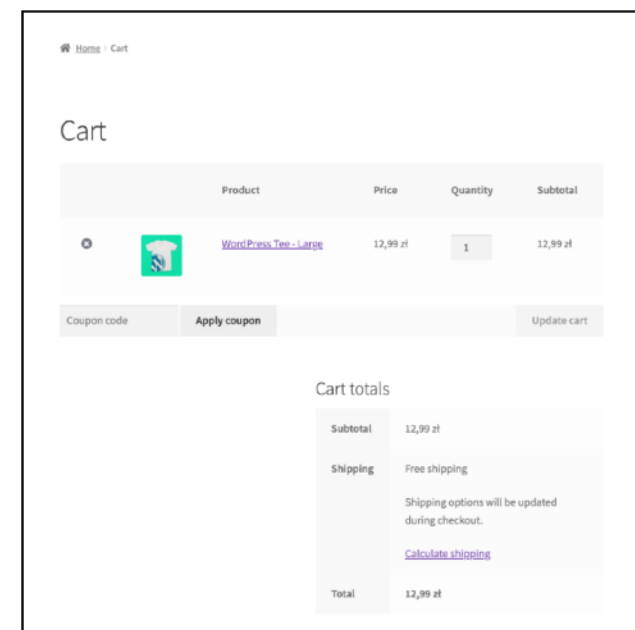
**There's no live demo so we hope you like screenshots!**



Sell T-shirts like never before!



Woooh, you can even sell hoodies and bags

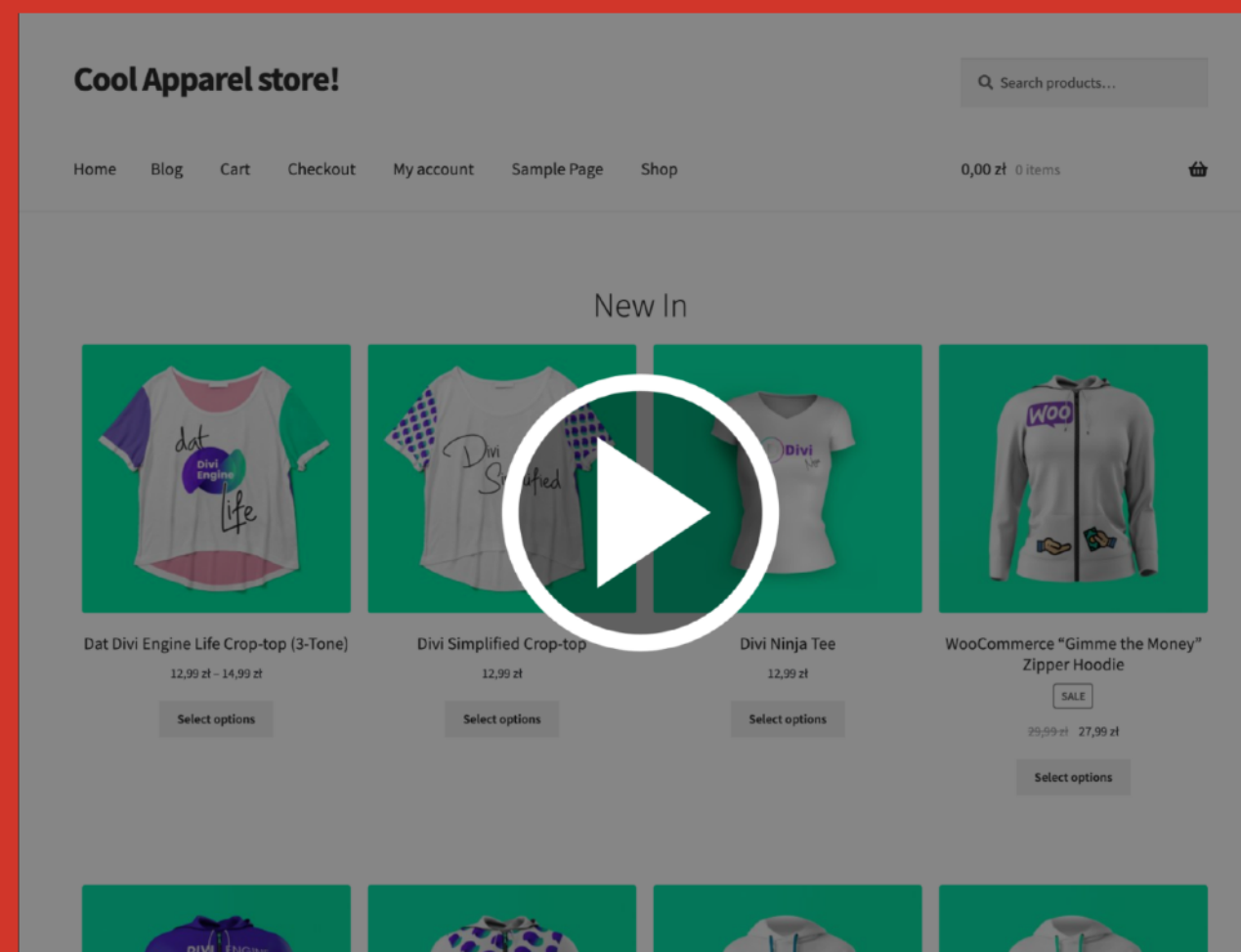


This is the coolest shopping cart ever

# Apparelly

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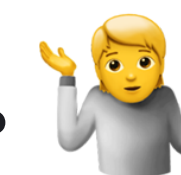
/ WordPress jest trudny

# Niewiele wtyczek ma demo

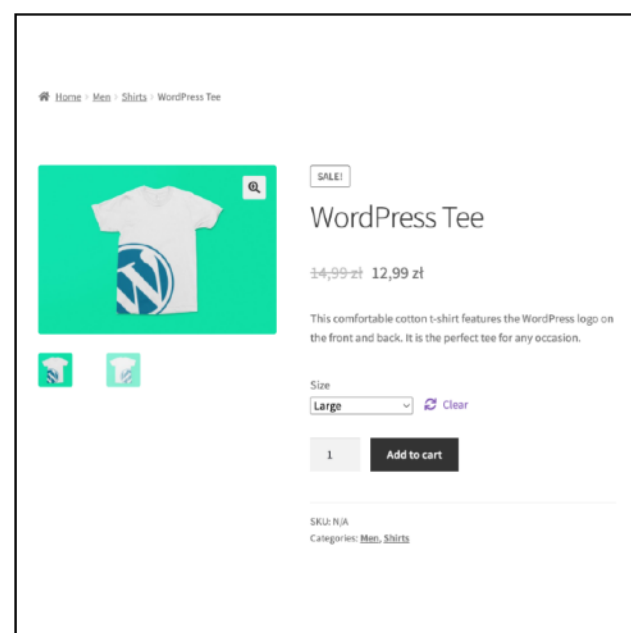
Jestem firmą, chcę dać klientom wypróbować moją wtyczkę. Tylko że:

- Ludzie będą zmieniać treści w wp-adminie
- Osobny WordPress dla każdego = koszt
- Tryb read-only nie jest przydatny

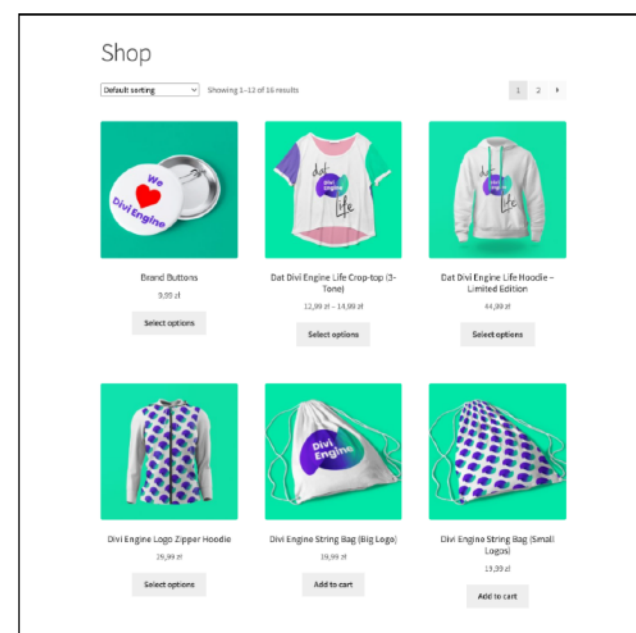
Więc może screenshot wystarczy?



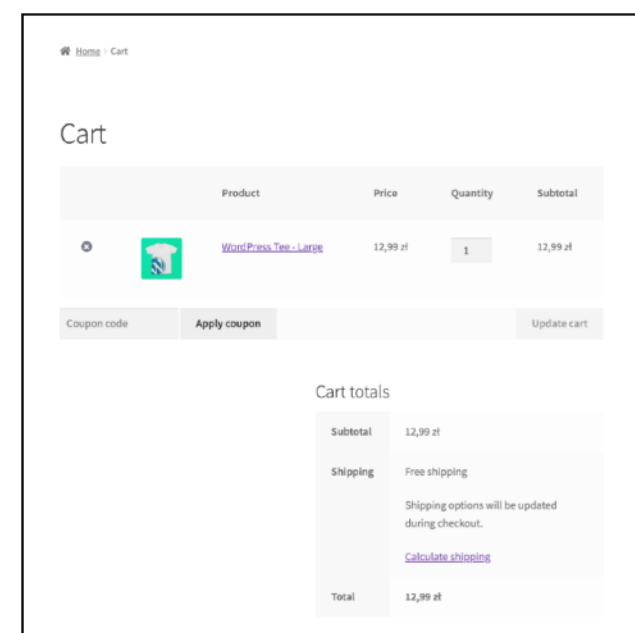
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# **TRUDNE RZECZY W WORDPRESSIE**

- Instalacja
- Nauka i Praca
- Testowanie
- Dystrybucja (demo)

Rozwiązanie:

**WordPress Playground: Klik i gotowe**

*/ WordPress Playground*

# Instalacja? Klik i jest

Start WordPress Playground





# developer.wordpress.org/playground



Get WordPress

This project is experimental and under active development.

The screenshot shows a browser window with a dark theme. The address bar shows 'My WordPress Website'. The site header includes 'My WordPress Website' on the left and 'Sample Page' on the right. The main content area features a large heading 'Mindblown: a blog about philosophy.' followed by a sub-heading 'Hello world!' and a paragraph: 'Welcome to WordPress. This is your first post. Edit or delete it, then start writing!' The browser's address bar and navigation icons are visible at the top of the window.

# developer.wordpress.org/playground

This project is experimental and under active development.

My WordPress Website Edit site 0 + New Howdy, admin

My WordPress Website Sample Page

## Mindblown: a blog about philosophy.

### Hello world!

Welcome to WordPress. This is your first post. Edit or delete it, then start writing!

# developer.wordpress.org/playground

WordPress Playground

Howdy, zieladam

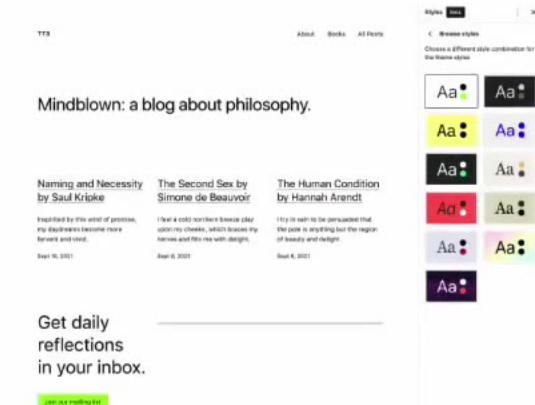
News Download & Extend Learn

Get WordPress


## WordPress Playground

Welcome to a new and exciting way of testing WordPress Themes and Plugins. Choose a theme, sprinkle with a plugin or a few, and start a new WordPress Playground – all inside of your browser!


### Select a theme



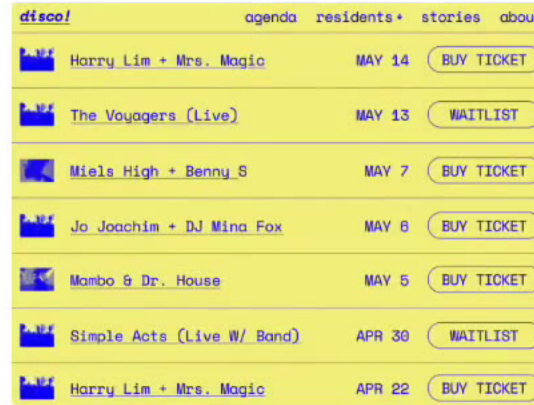
Twenty Twenty-Three



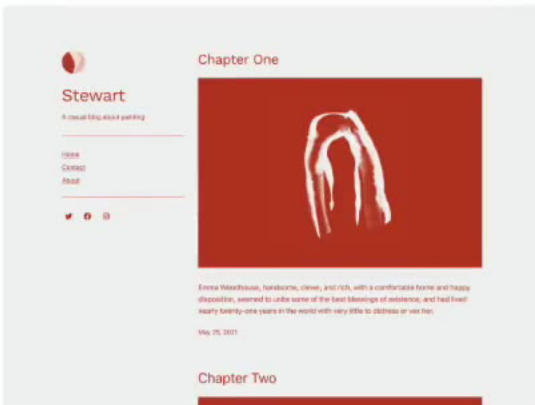
Skatepark



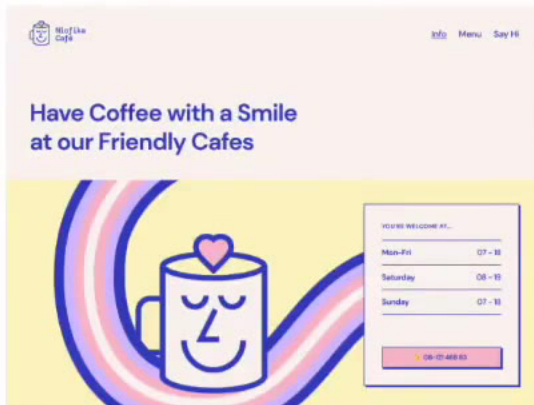
Pendant



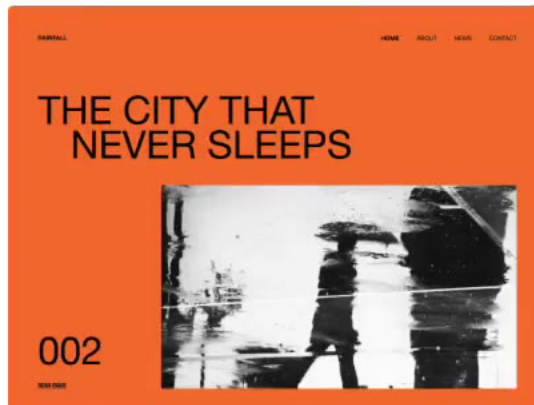
Disco



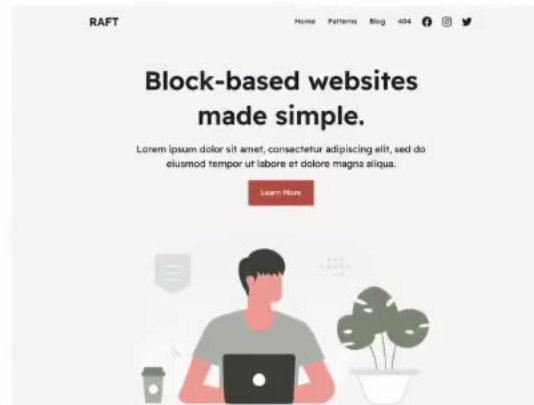
Stewart



Tove



Rainfall



Raft

### Add plugins

Coblocks

bbPress

BuddyPress

Gutenberg

Classic Editor

Duplicate Page

Ultimate Blocks

Start Playground

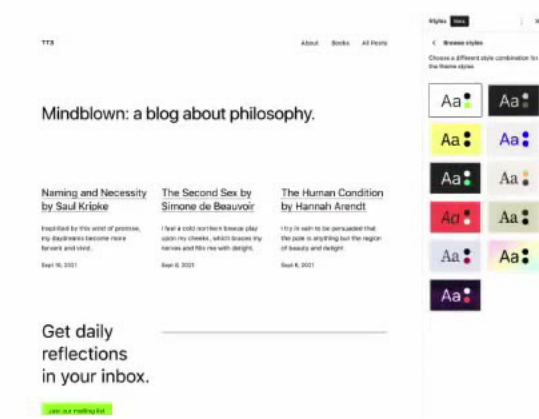
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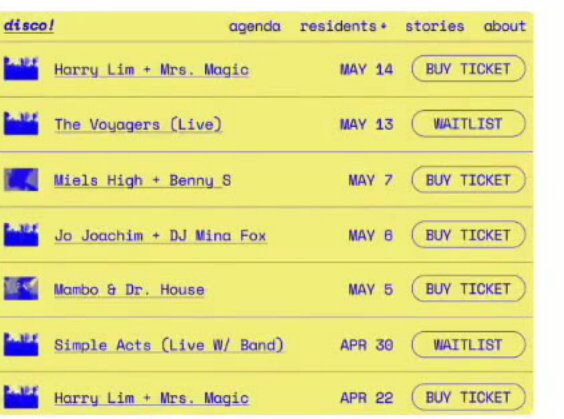
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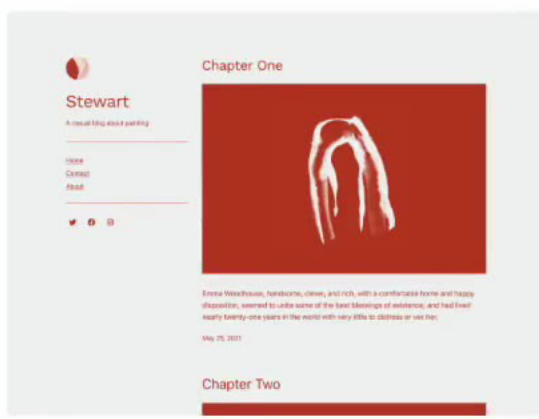
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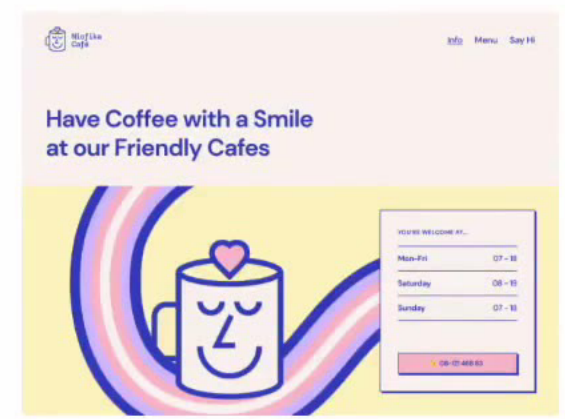
Pendant



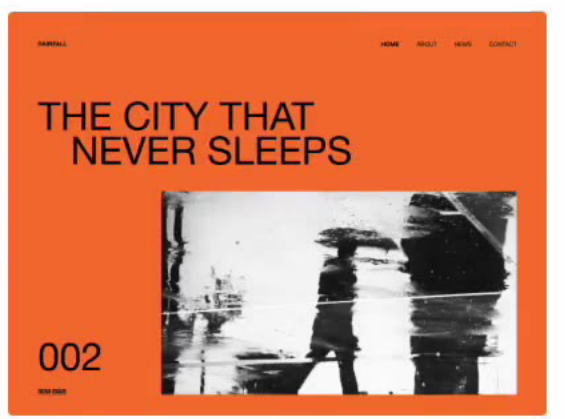
Disco



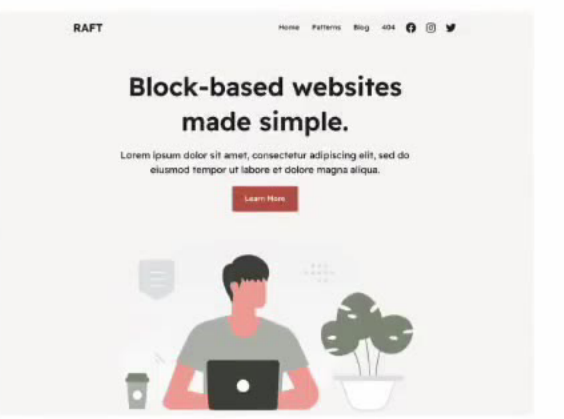
Stewart



Tove





Rainfall

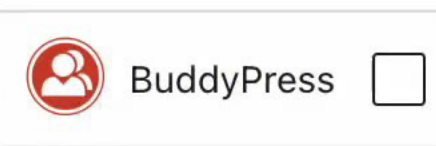



Raft

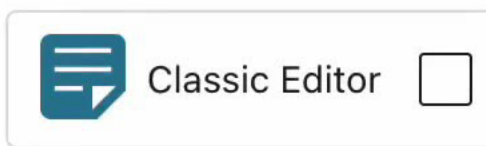
Add plugins

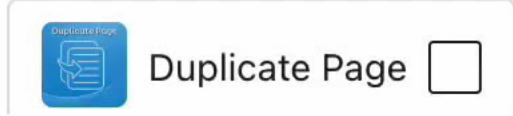


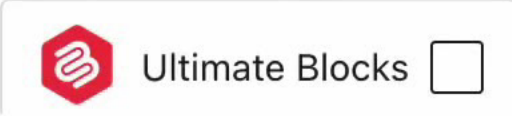








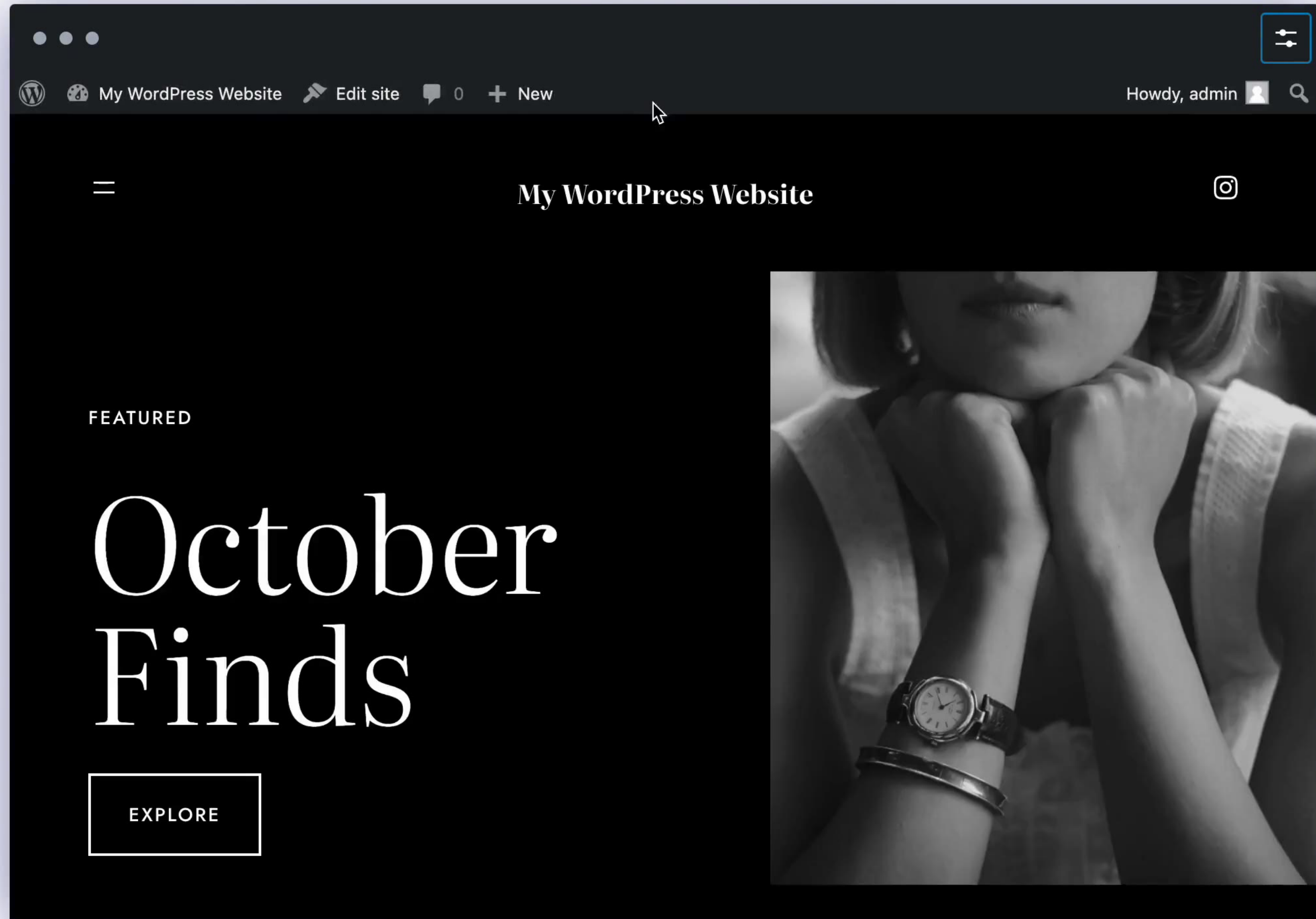




[Start Playground](#)



Get WordPress



# Nauka? Klik i zacznym

## WordPress course

Live code example:

▶ Run

```
1 <?php
2 echo 'Live PHP code!';
```

PHP output:

Live PHP code!

# How to Modify HTML in a PHP WordPress Plugin Using The New Tag Processor API

Adjusting the HTML markup in PHP has always been a struggle, but WordPress 6.2 makes it a breeze with the [WP\\_HTML\\_Tag\\_Processor](#) API.

For example, here's how you can add an `alt=""` attribute to an `<img />` tag:

Live example:

▶ Run

```
1 <?php
2 $html = '';
3 $p = new WP_HTML_Tag_Processor( $html );
4 if ( $p->next_tag() ) {
5     $p->set_attribute( 'alt', 'Husky in the snow' );
6 }
7 echo $p->get_updated_html();
```

If you've ever struggled to add an HTML attribute using regular expressions, you know how big of an improvement this is! In fact, Tag Processor was born out of this exact struggle.

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PHP output:

```

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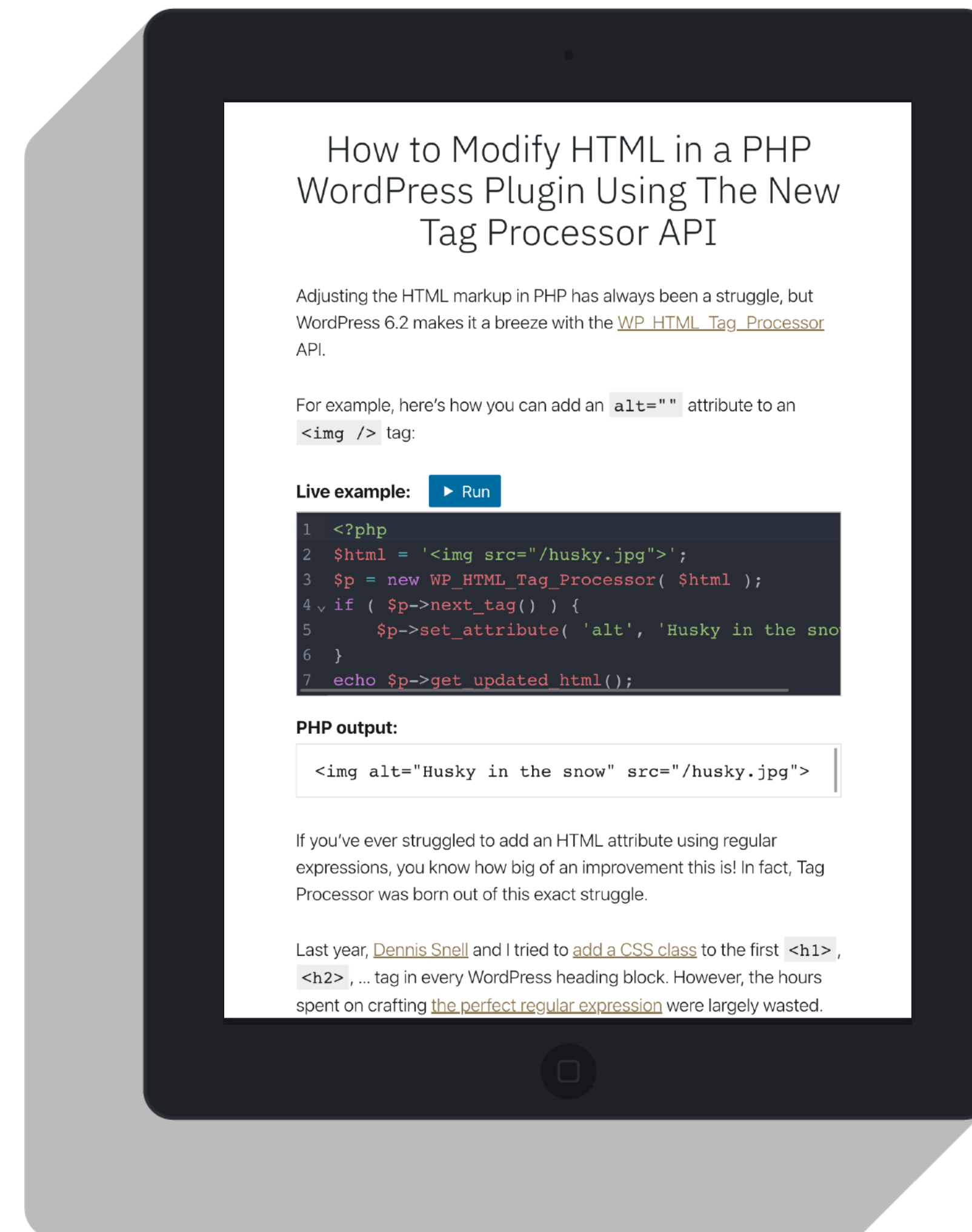
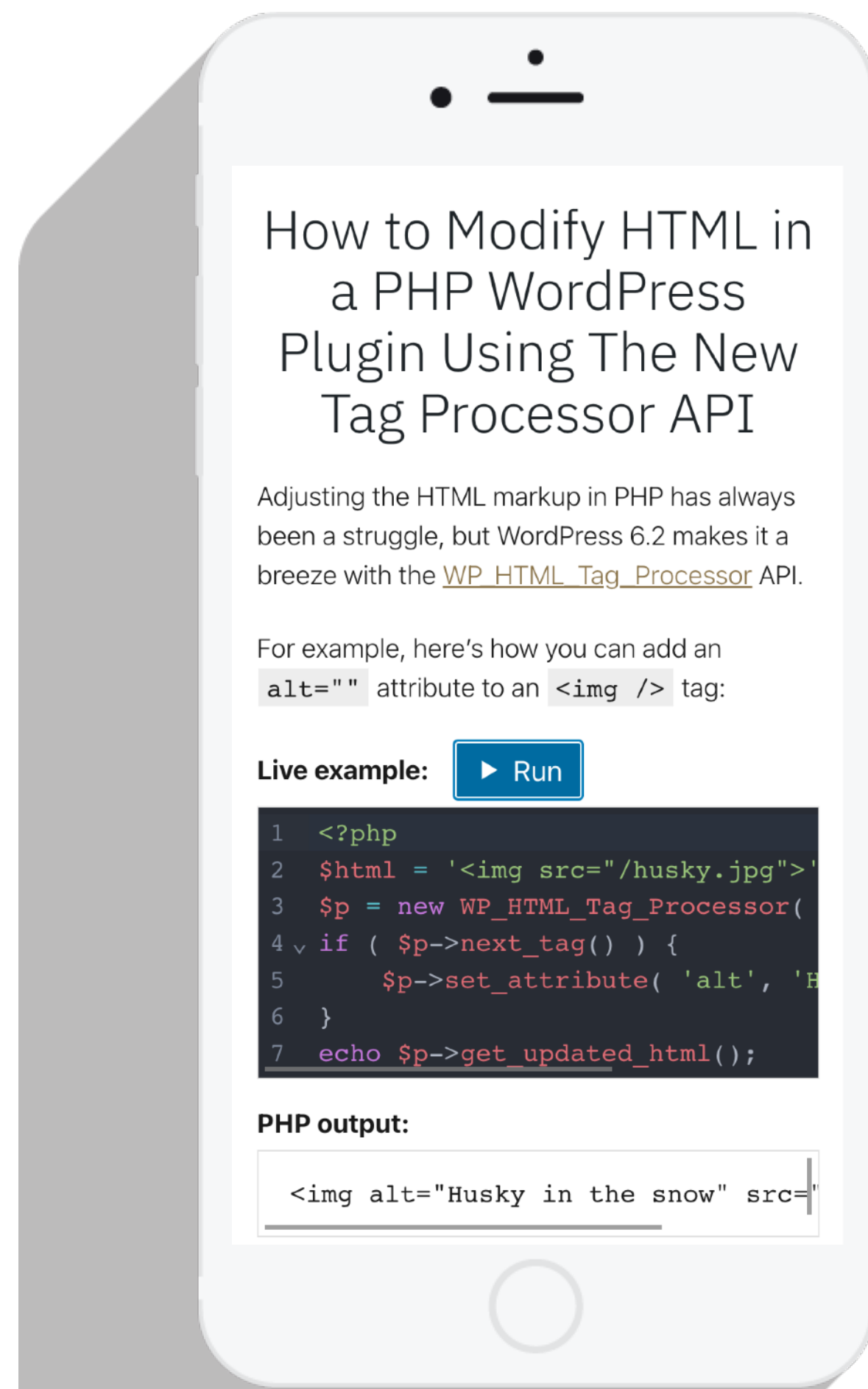
PHP output:

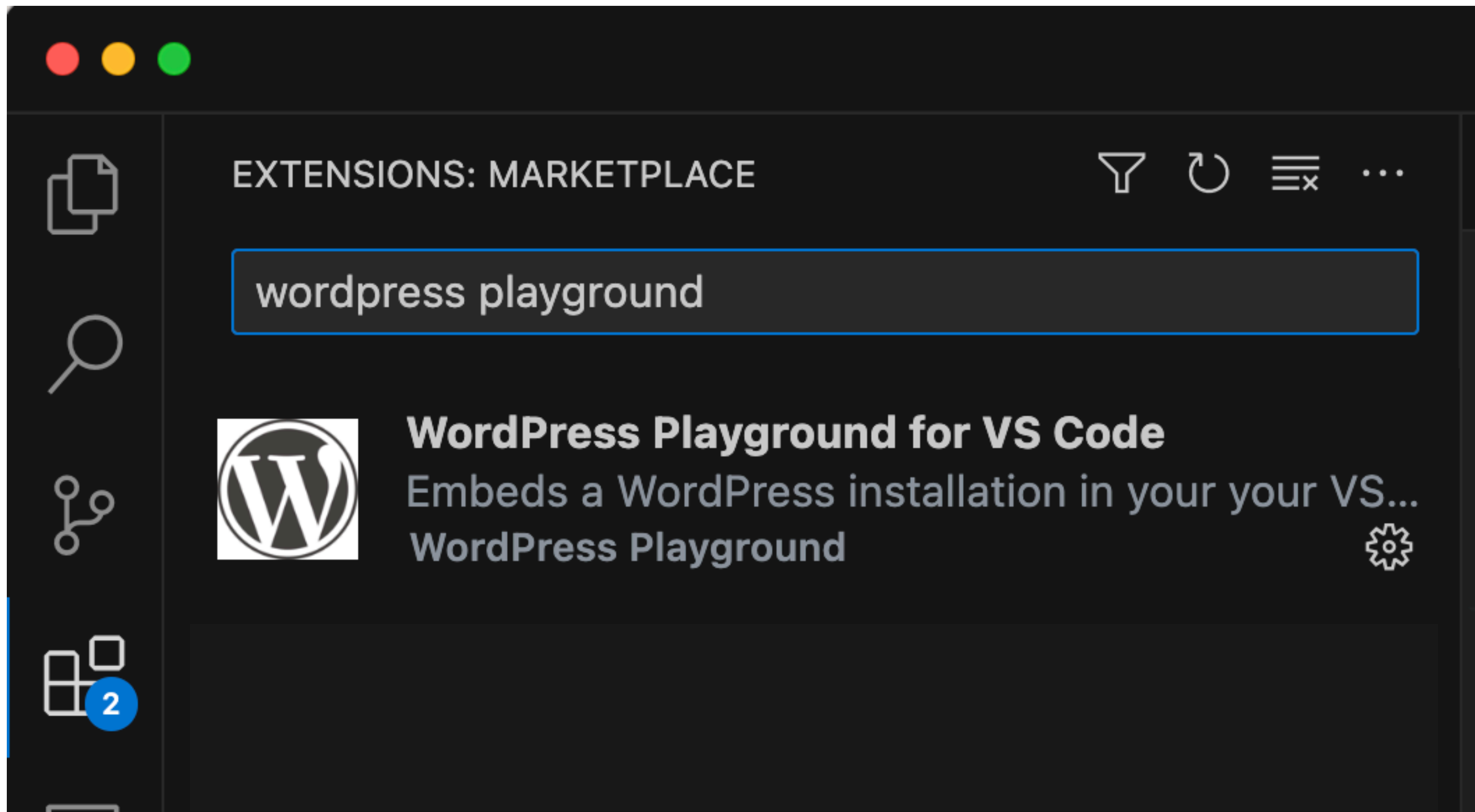
```

```

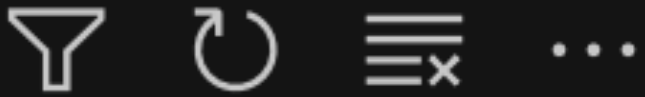
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# Nauka nawet na telefonie





EXTENSIONS: MARKETPLACE



wordpress playground



**WordPress Playground for VS Code**

Embeds a WordPress installation in your your VS...

WordPress Playground



WordPress Playground: SERVER

WordPress Playground is a tool for developing WordPress themes and plugins locally in Visual Studio Code.

It provides a working local WordPress environment, with which you can develop and test your WordPress plugin or theme, and even WordPress core itself.

To get started, make sure to open a folder with either your plugin, theme, or an entire WordPress, and then press the button below to start the playground:

[Start WordPress Server](#)

# Plugins [Add New](#)

Screen Options Help

Search installed plugins...

All (4) | Active (1) | Inactive (3) | Drop-in (1) | Auto-updates Disabled (4)

Bulk actions [Apply](#)

4 items

<input type="checkbox"/> Plugin	Description	Automatic Updates
<input type="checkbox"/> <b>Akismet Anti-Spam</b> <a href="#">Activate</a>   <a href="#">Delete</a>	Used by millions, Akismet is quite possibly the best way in the world to <b>protect your blog from spam</b> . It keeps your site protected even while you sleep. To get started: activate the Akismet plugin and then go to your Akismet Settings page to set up your API key.  Version 5.1   By Automattic   <a href="#">Visit plugin site</a>	
<input type="checkbox"/> <b>Awesome Plugin</b> <a href="#">Deactivate</a>	Easily launch WordPress Playground sites.	
<input type="checkbox"/> <b>Hello Dolly</b> <a href="#">Activate</a>   <a href="#">Delete</a>	This is not just a plugin, it symbolizes the hope and enthusiasm of an entire generation summed up in two words sung most famously by Louis Armstrong: Hello, Dolly. When activated you will randomly see a lyric from Hello, Dolly in the upper right of your admin screen on every page.  Version 1.7.2   By Matt Mullenweg   <a href="#">Visit plugin site</a>	
<input type="checkbox"/> <b>SQLite Database Integration</b> <a href="#">Activate</a>   <a href="#">Delete</a>	SQLite database driver drop-in. (based on SQLite Integration by Kojima Toshiyasu)  Version 2.0   By WordPress Performance Team	
<input type="checkbox"/> Plugin	Description	Automatic Updates

Bulk actions [Apply](#)

4 items

- Dashboard
- Posts
- Media
- Pages
- Comments
- Appearance
- Plugins**
- Installed Plugins
- Add New
- Users
- Tools
- Settings
- Collapse menu

*/ WordPress Playground*

# Testowanie? Klik i testuję

## Gutenberg Pull Request

Preview



# Add a secret message #47739

Edit <> Code

Open adamziel wants to merge 9 commits into trunk from try/test-pr-for-playground-preview

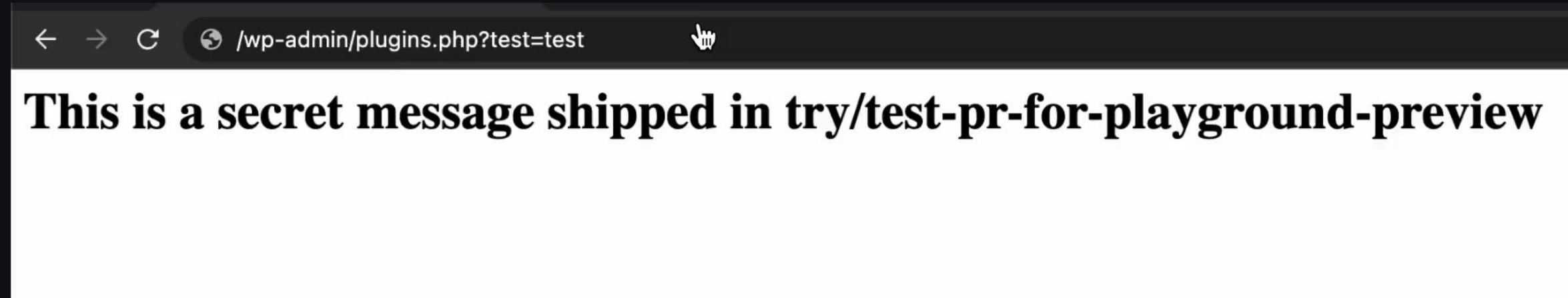
Conversation 4 Commits 9 Checks 5 Files changed 1 +7 -0



adamziel commented on Feb 3 · edited

Member

Adds a secret message in wp-admin:



Try it here: <https://playground.wordpress.net/wordpress.html?gutenberg-pr=47739&php=7.4&url=/wp-admin/plugins.php?test=42test>

1

Commit: Add a secret message

86aedc0

adamziel requested a review from spacedmonkey as a code owner 2 months ago

### Reviewers

spacedmonkey

At least 1 approving review is required to merge this pull request.

Still in progress? Convert to draft

### Assignees

No one—assign yourself

### Labels

None yet

### Projects

None yet

### Milestone

No milestone



/wp-admin/plugins.php?test=42test

PHP 7.4

WP 6.2



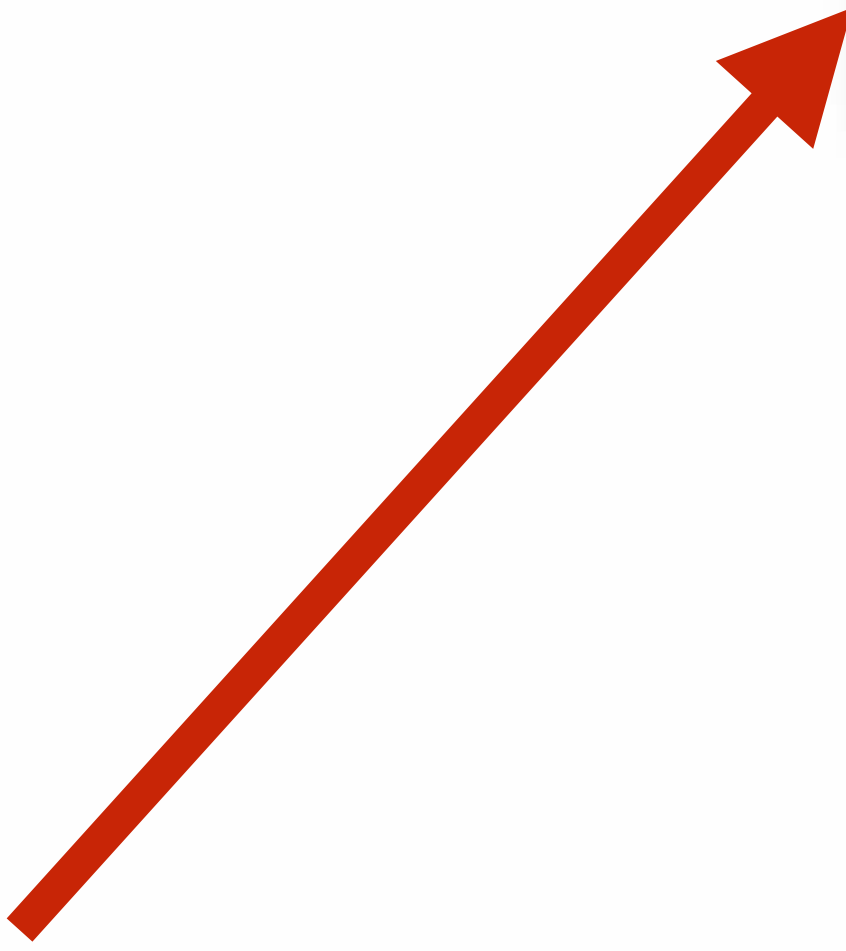
**This is a secret message shipped in try/test-pr-for-playground-preview**

This is a cool fun experimental WordPress running in your browser :) All your changes are private and gone after a page refresh.



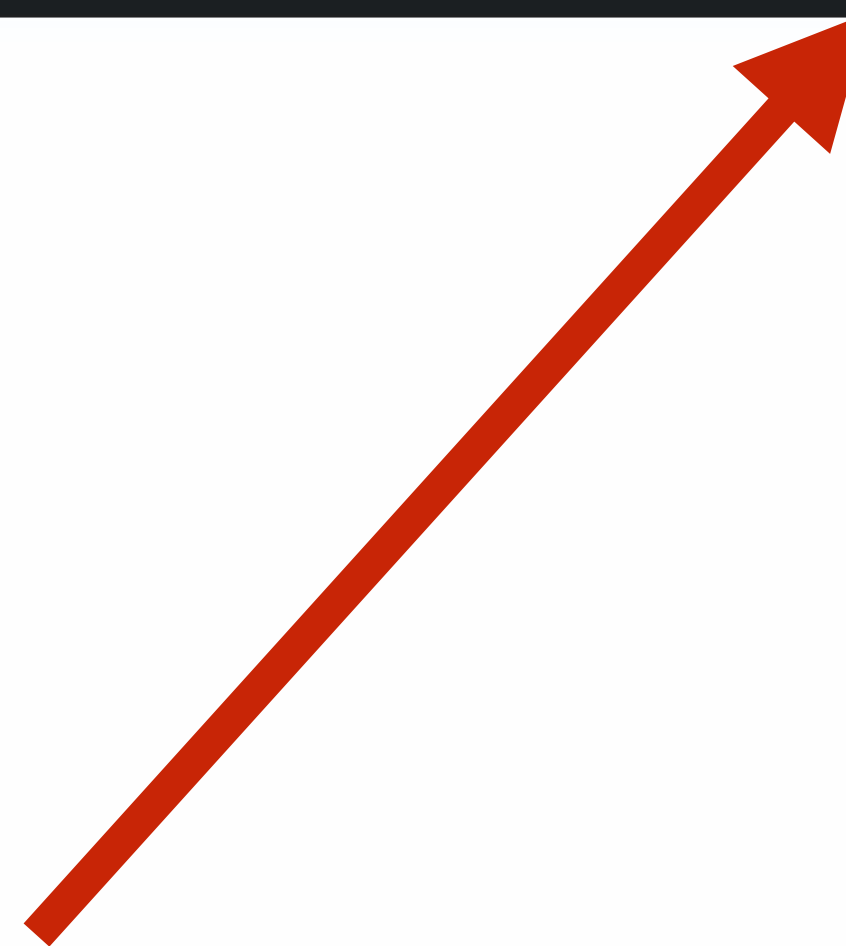
**This is a secret message shipped in try/test-pr-for-playground-pr**

- PHP 8.0
- ✓ PHP 7.4
- PHP 7.3
- PHP 7.2
- PHP 7.1
- PHP 7.0
- PHP 5.6





# Fatal error: Unexpected query parameters





Pull request number or URL:

Go

# Demo produktu? Na stronie głównej!

## Apparelly

### Woo Plugin For Selling Apparel

Buy now \$99

Just try it out

#### Cool Apparel store!

Menu

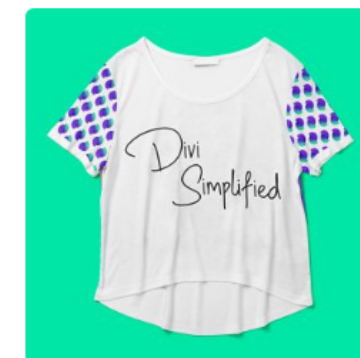
#### New In



Dat Divi Engine  
Life Crop-top (3-  
Tone)

12,99 zł – 14,99 zł

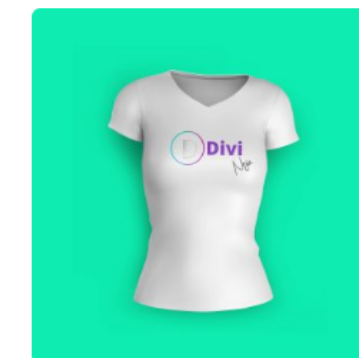
Select options



Divi Simplified  
Crop-top

12,99 zł

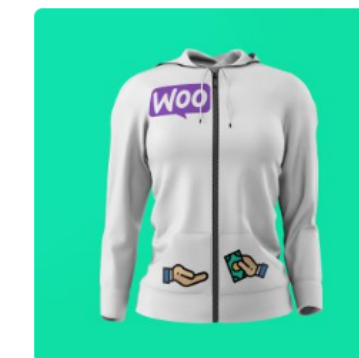
Select options



Divi Ninja Tee

12,99 zł

Select options



WooCommerce  
"Gimme the  
Money" Zipper  
Hoodie

SALE

~~29,99 zł~~ 27,99 zł

# Apparelly

## Woo Plugin For Selling Apparel

Buy now \$99

Just try it out

### Cool Apparel store!

Menu

#### New In



Dat Divi Engine Life Crop-top (3-Tone)



Divi Simplified Crop-top 12,99 zł



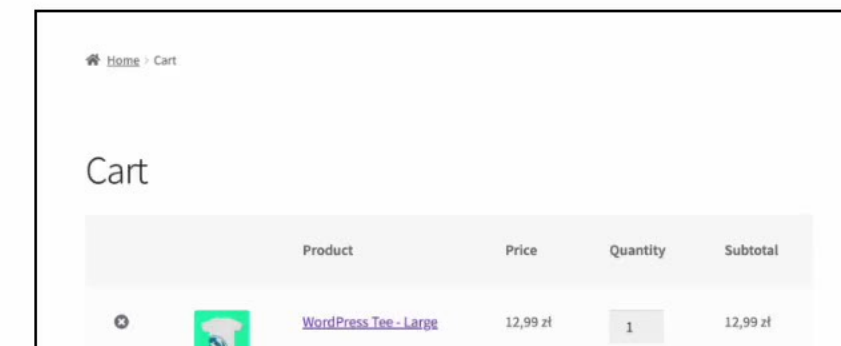
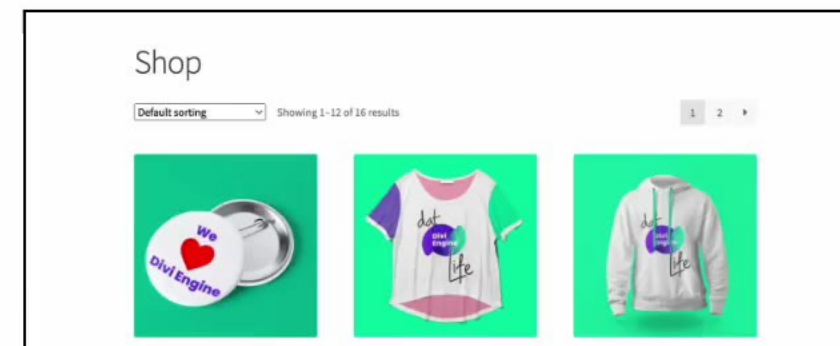
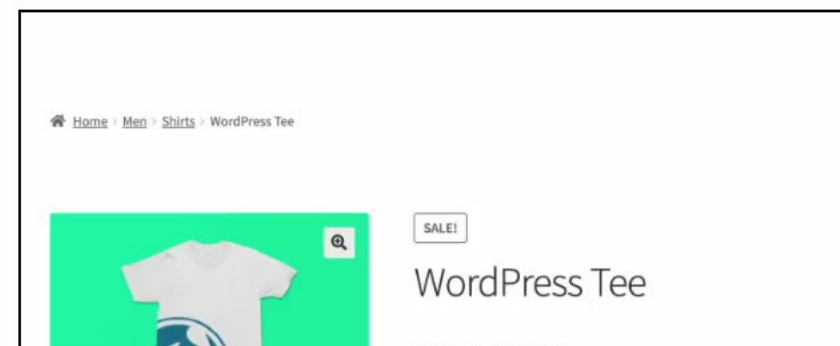
Divi Ninja Tee 12,99 zł



WooCommerce "Gimme the Money" Zipper



### Even more reasons to love it!



# Apparelly

## Woo Plugin For Selling Apparel

Buy now \$99

Just try it out

### Dat Divi Engine Life Crop-top (3-Tone)

12,99 zł - 14,99 zł

This comfortable cotton crop-top features the Divi Engine logo on the front expressing how easy "data Divi Engine life" is. It is the perfect tee for any occasion.

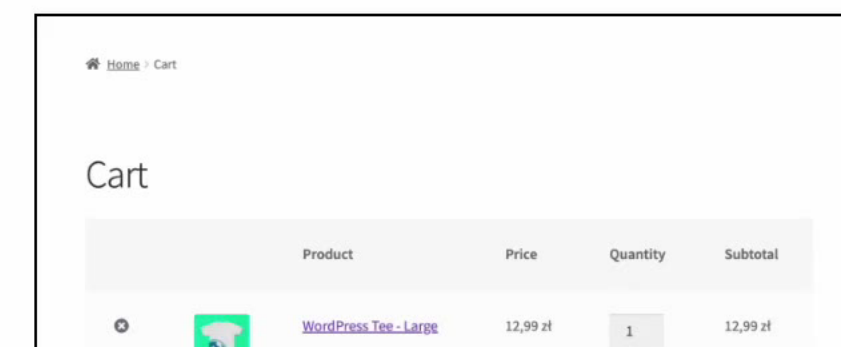
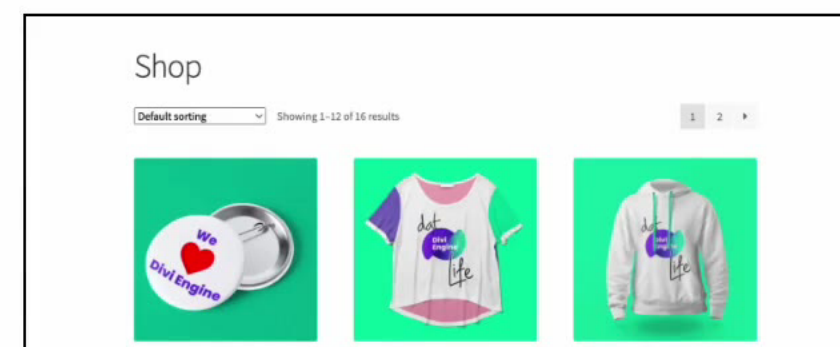
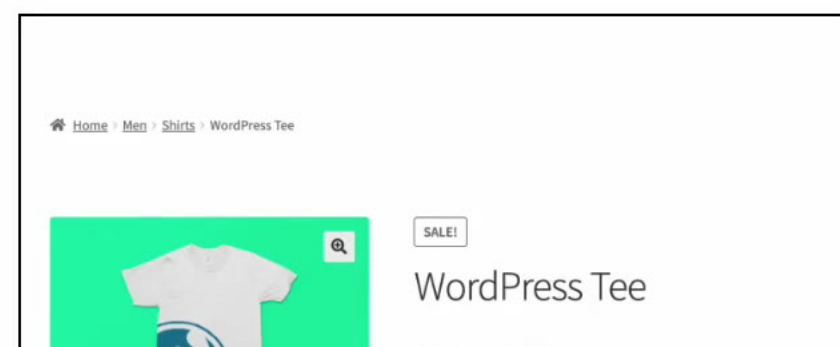
Size

Large

14,99 zł



### Even more reasons to love it!



# Apparelly

## Woo Plugin For Selling Apparel

Buy now \$99

Just try it out 

This comfortable cotton crop-top features the Divi Engine logo on the front expressing how easy “data Divi Engine life” is. It is the perfect tee for any occasion.




Size  
Large

14,99 zł

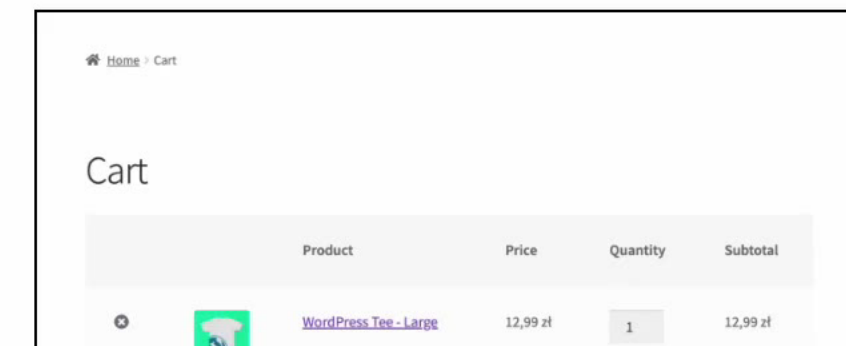
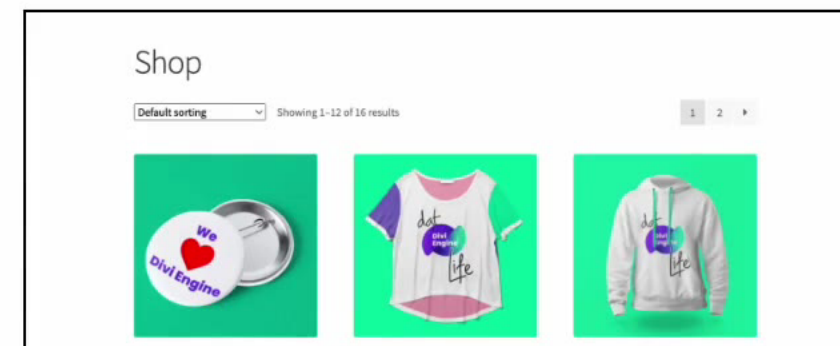
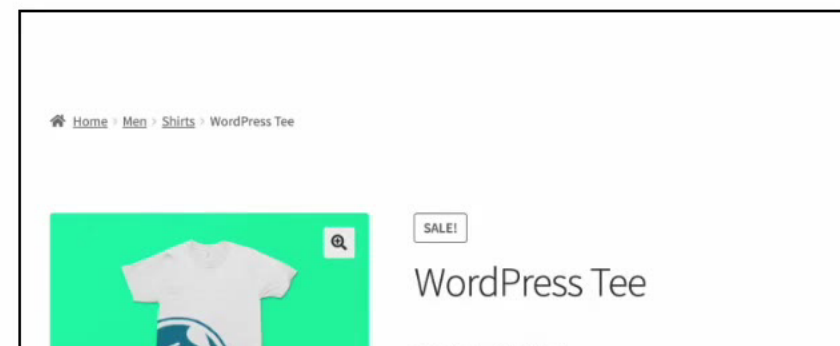
1

---

SKU: N/A  
Categories: [Shirts](#), [Women](#)

### Even more reasons to love it!

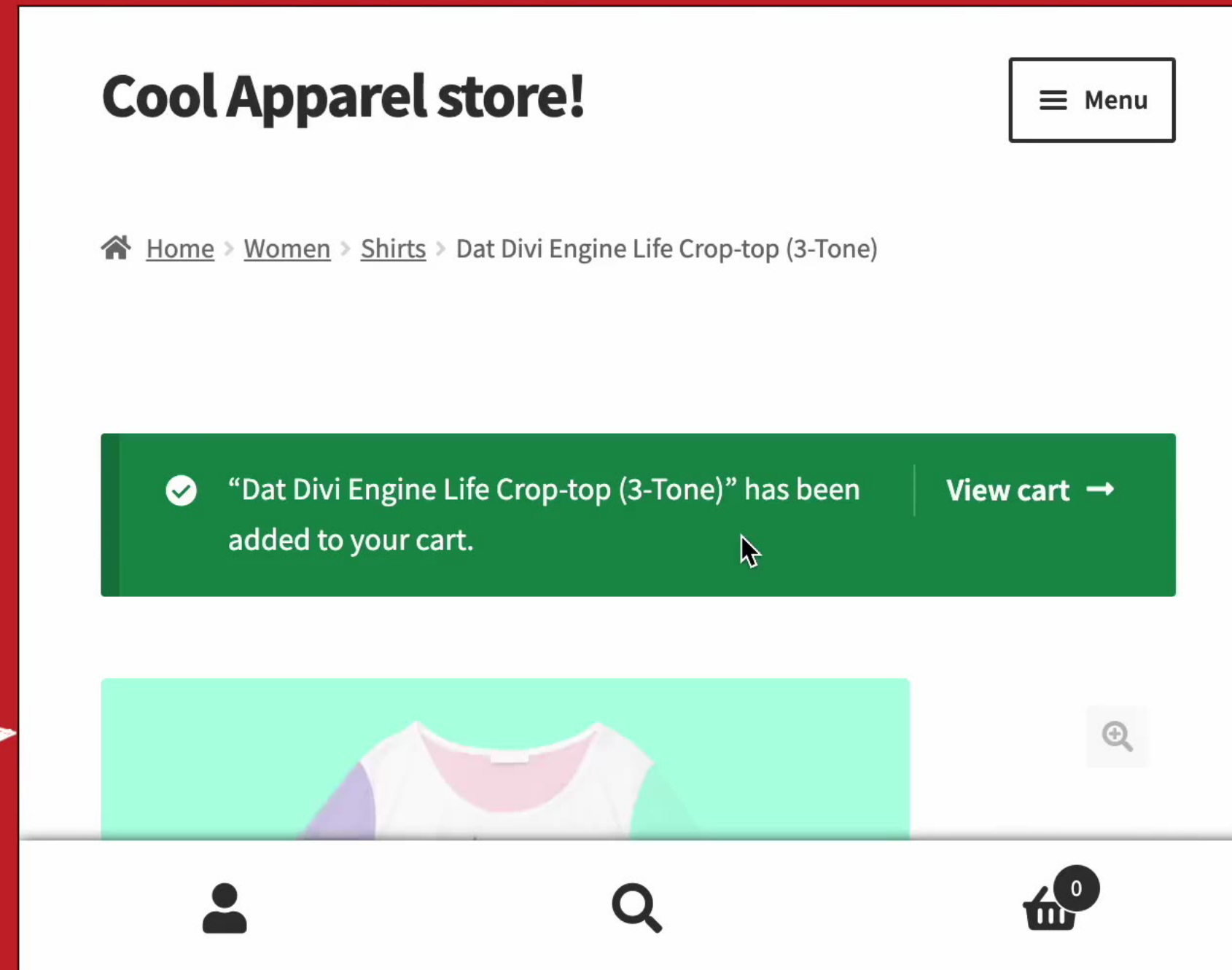


# Apparelly

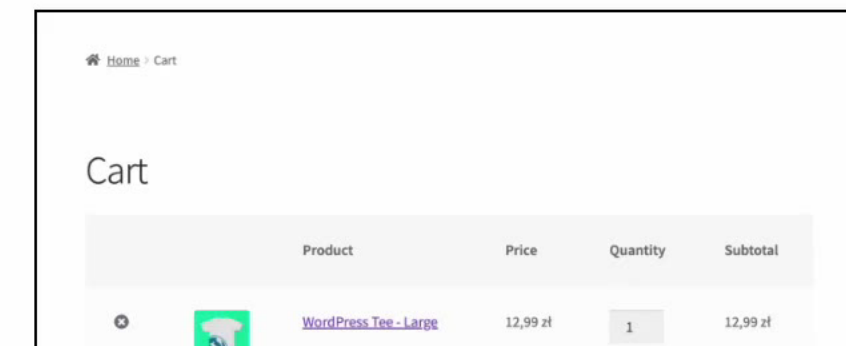
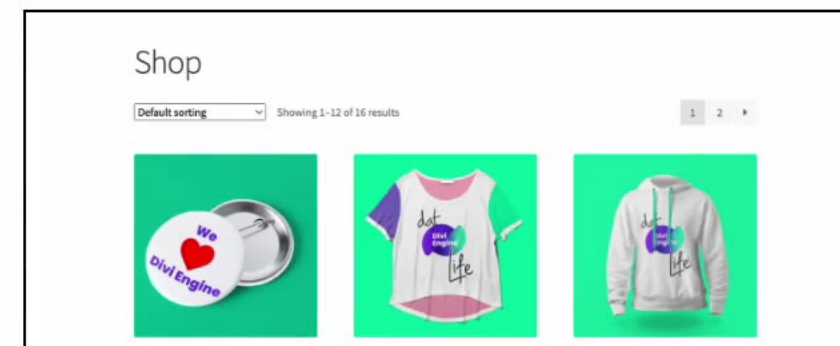
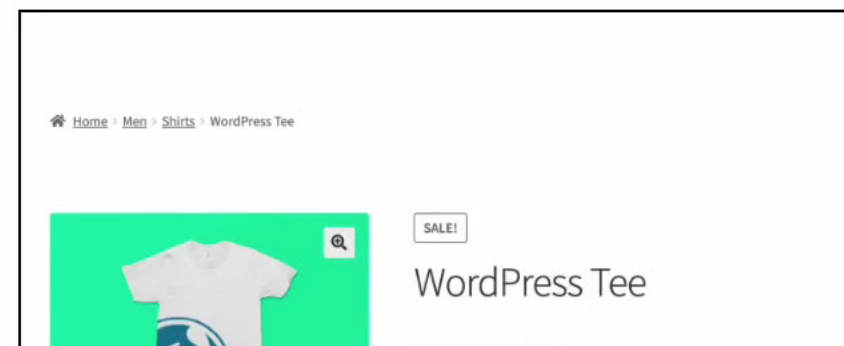
## Woo Plugin For Selling Apparel

Buy now \$99

Just try it out



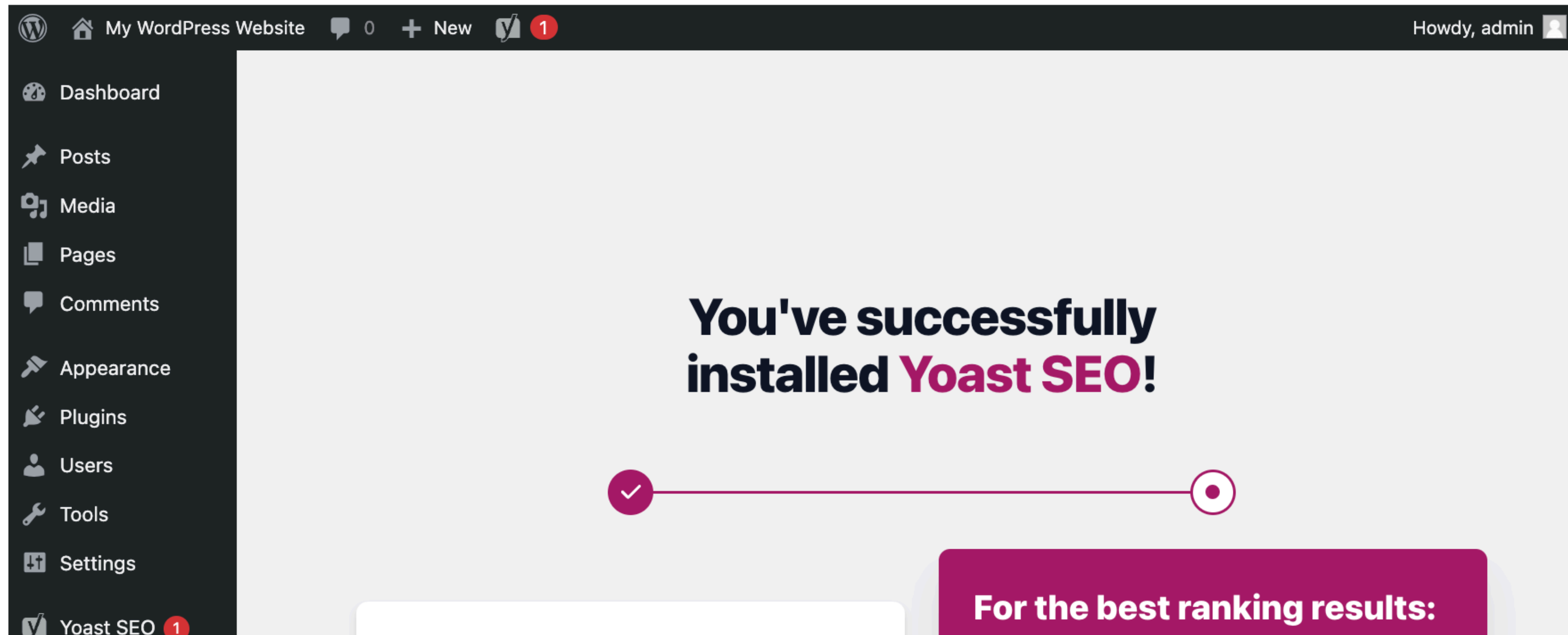
### Even more reasons to love it!





# Embedded playground

This playground below is embedded through the [playground embedder plugin](#), with a simple [blueprint](#) to log in and install & activate a plugin (Yoast SEO):



INNE ZASTOSOWANIA

Thumaczenie WordPressa: <https://translate.wordpress.org/projects/wp-plugins/friends/dev/de/default/>

The screenshot shows the WordPress dashboard for a user named 'admin'. The 'Friends' plugin is active, and the 'Benachrichtigungen verwalten' (Manage Notifications) settings page is open. The page title is 'Friends', and the sub-header is 'Benachrichtigungen verwalten'. The main content area shows a message: 'No notification keywords have been specified. [\(Bearbeiten\)](#)'. Below this is a table with four columns: 'Freund', 'Auf Freunde-Seite anzeigen', 'E-Mail-Benachrichtigung', and 'Keyword Notification'. A blue button labeled 'Änderungen speichern' (Save Changes) is located below the table. The footer of the page includes the text 'Danke für dein Vertrauen in [WordPress](#).' and 'Version 6.2'.

My WordPress Website Friends 0 + Neu Willkommen, admin

Dashboard Friends

Startseite Einstellungen Benachrichtigungen verwalten Neuen Freund hinzufügen Freunde & Anfragen Plugins Automatic Status

Beiträge Medien Seiten Kommentare Design Plugins Benutzer Werkzeuge Einstellungen GlotPress Menü einklappen

Friends

Willkommen Einstellungen Benachrichtigungen verwalten Automatic Status

Benachrichtigungen verwalten

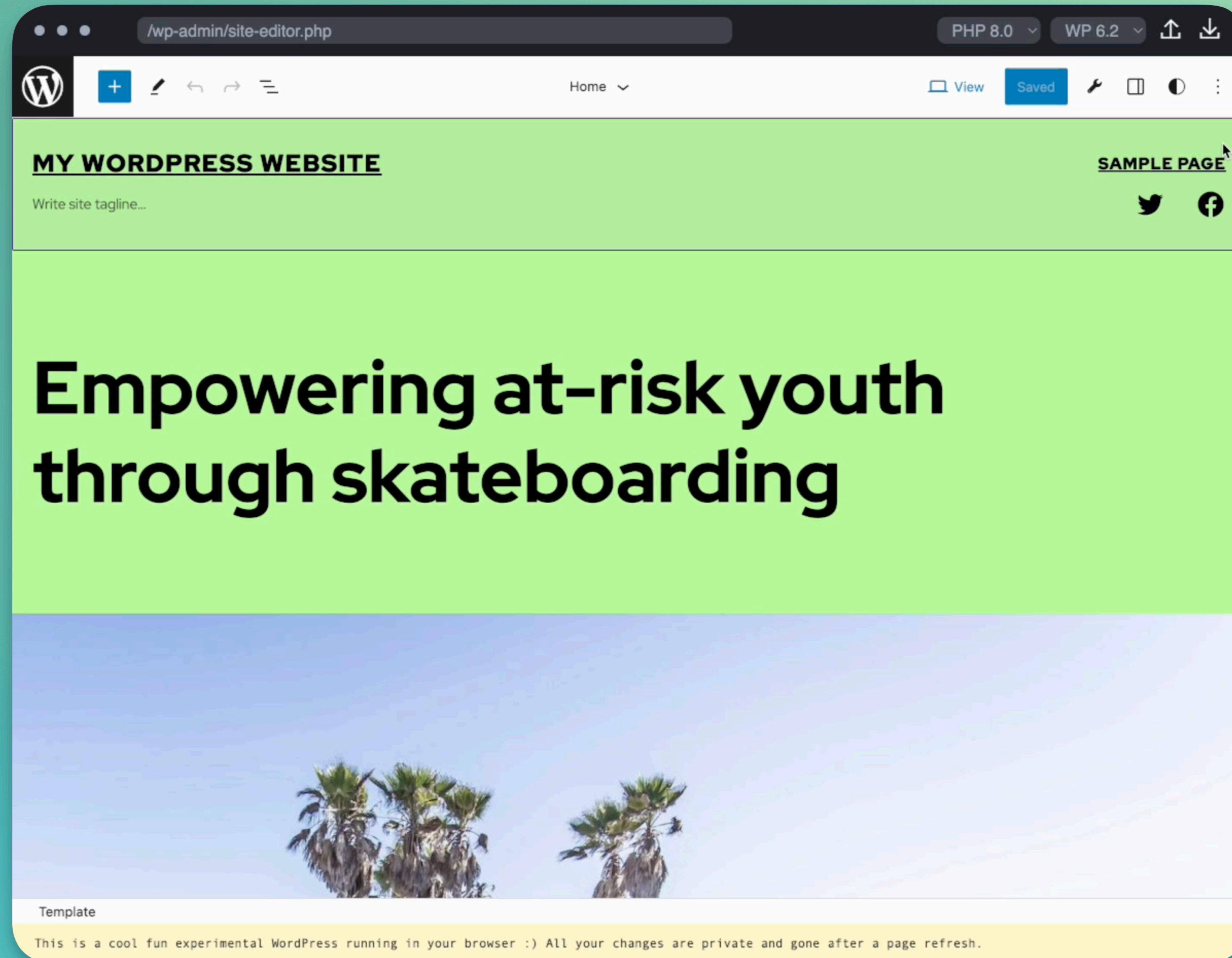
No notification keywords have been specified. [\(Bearbeiten\)](#)

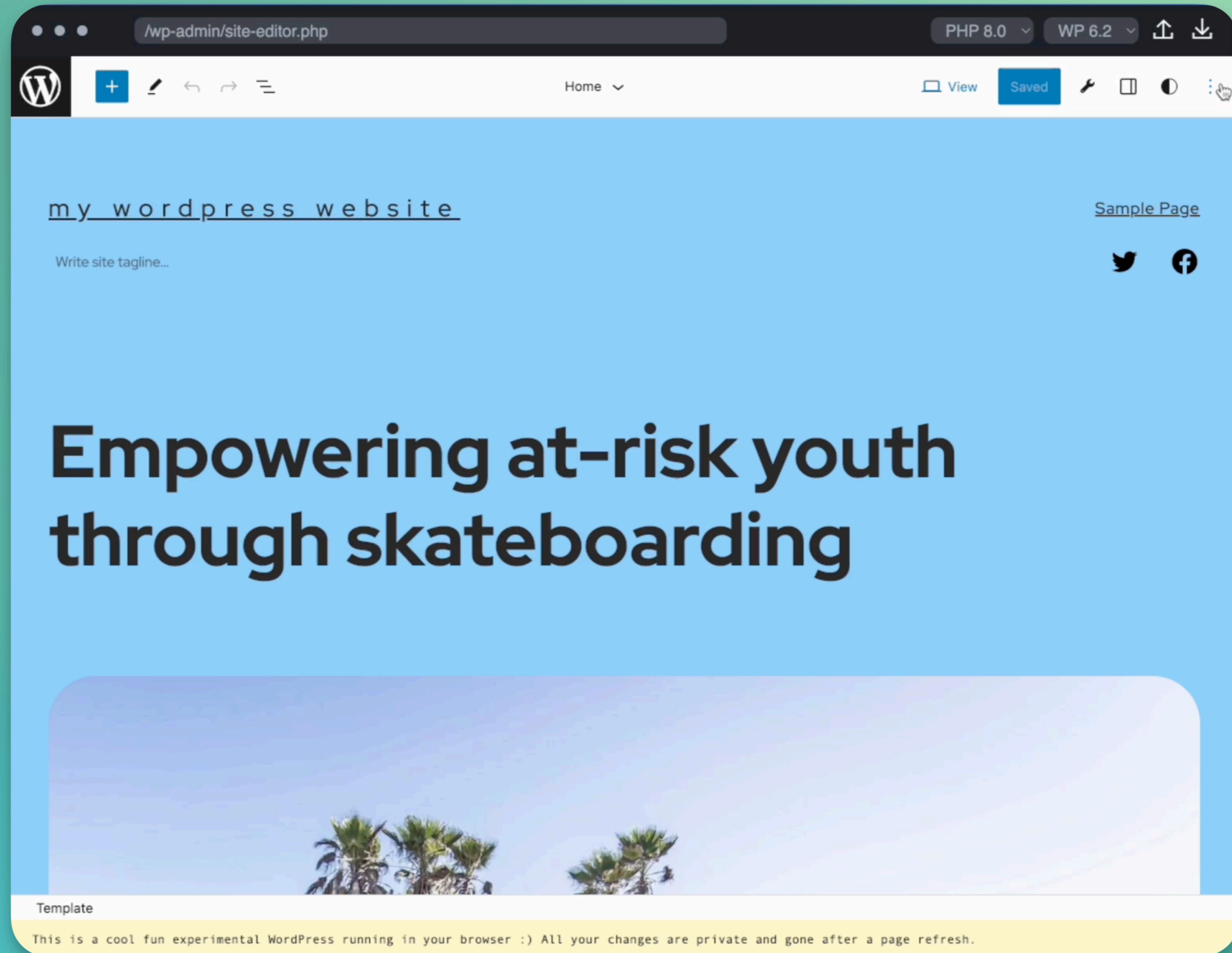
Freund	Auf Freunde-Seite anzeigen	E-Mail-Benachrichtigung	Keyword Notification
--------	----------------------------	-------------------------	----------------------

Änderungen speichern

Danke für dein Vertrauen in [WordPress](#).

Version 6.2





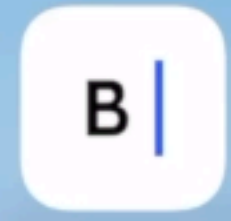
```
> wp-now  
WordPress is running on  
http://localhost:8080/  
█
```

**B**



09:39

100



Blocknotes

Search







Draft



My first note

this is awesome !!



# JAK TO WŁAŚCIWIE DZIAŁA?

ZAJRZYJMY POD MASKĘ

## **Dwa składniki**

1. PHP w przeglądarce
2. WordPress bez serwera

# PHP W PRZEGLĄDARCE



WEBASSEMBLY

# Programy w C

hello.c

```
#include <stdio.h>
int main() {
    printf("Hello, World!");
    return 0;
}
```

# Programy w C

hello.c

```
#include <stdio.h>
int main() {
    printf("Hello, World!");
    return 0;
}
```

Kompilator

GCC

Plik wykonywalny

hello.out

Wynik

```
$ ./hello.out
Hello, World!
```



# Programy w C

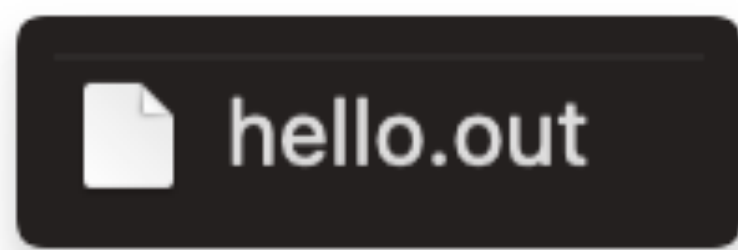
hello.c

```
#include <stdio.h>
int main() {
    printf("Hello, World!");
    return 0;
}
```

Kompilator

GCC

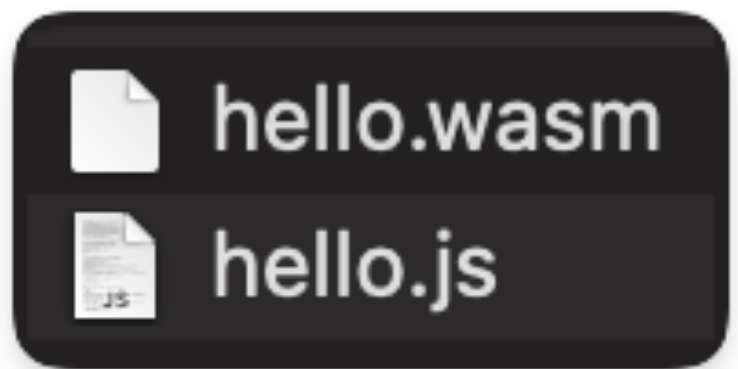
Plik wykonywalny



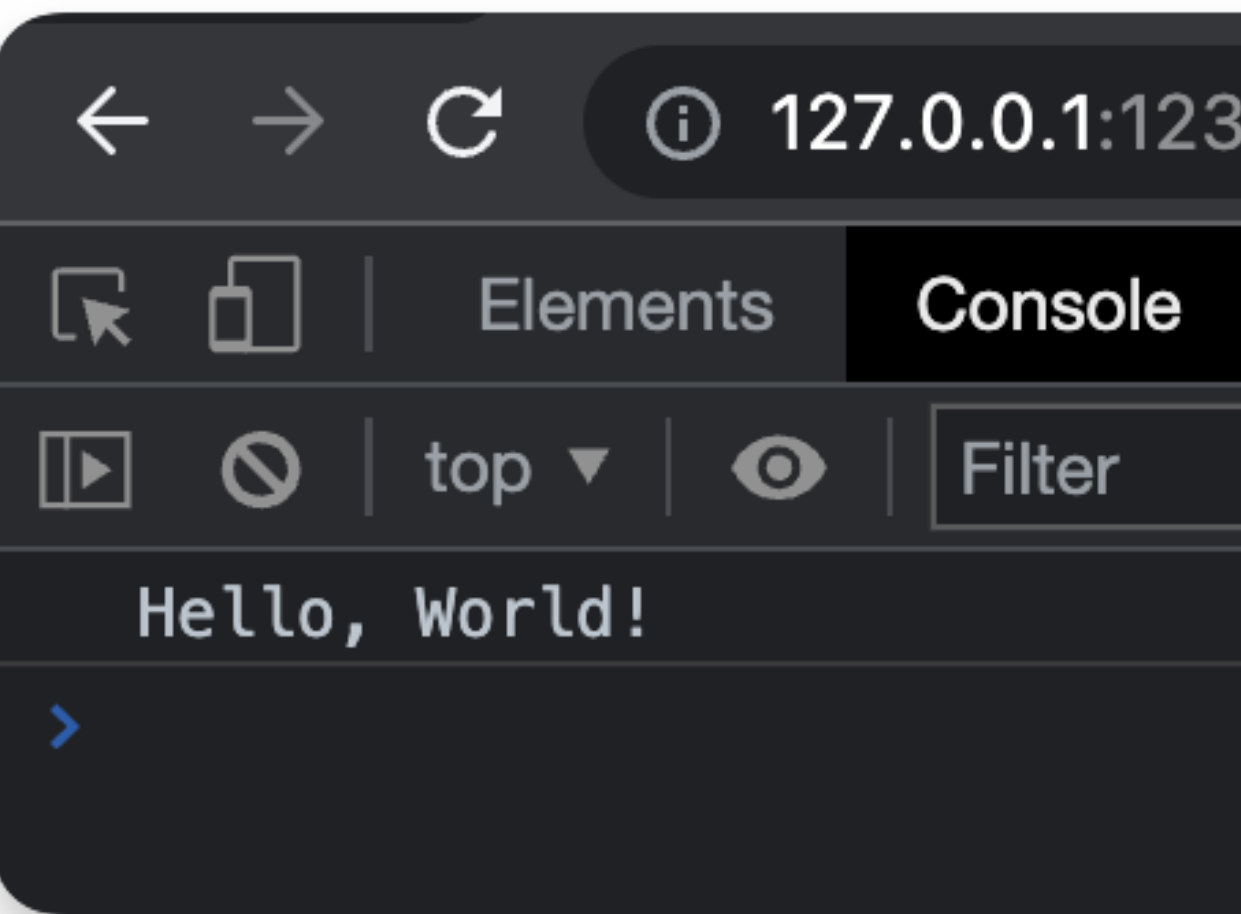
Wynik

```
$ ./hello.out
Hello, World!
```

EMSCRIPTEN



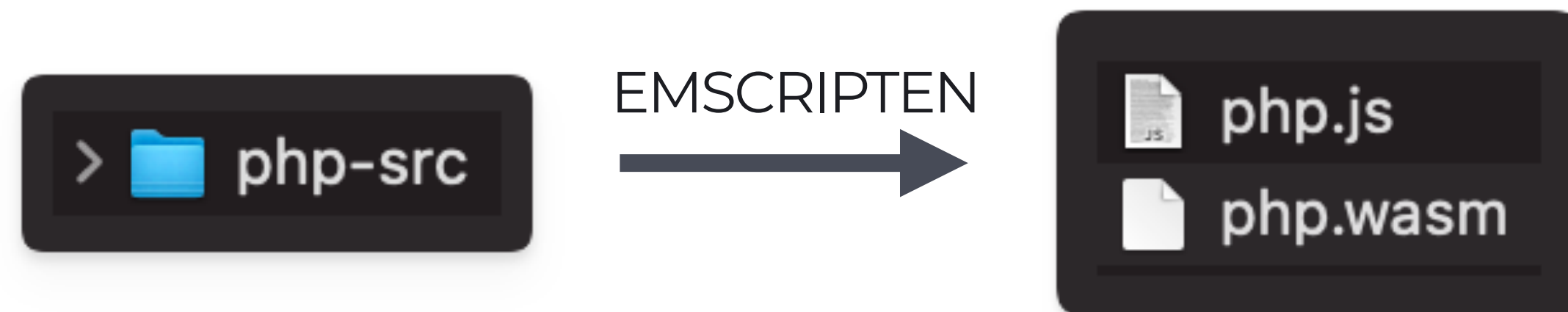
```
$ node hello.js
Hello, World!
```



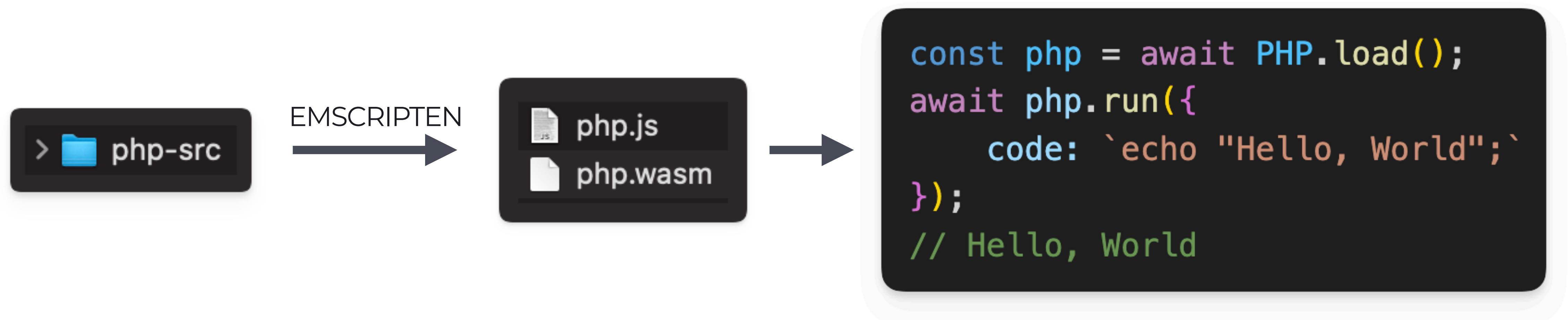
# **Interpreter PHP jest programem w C**



# Interpreter PHP jest programem w C



# Interpreter PHP jest programem w C



# WORDPRESS BEZ SERWERA



# Instalacja Klasycznego WordPressa



WordPress



MySQL

# Instalacja WordPress Playground



WordPress



MySQL

# Instalacja WordPress Playground



WordPress  
Playground

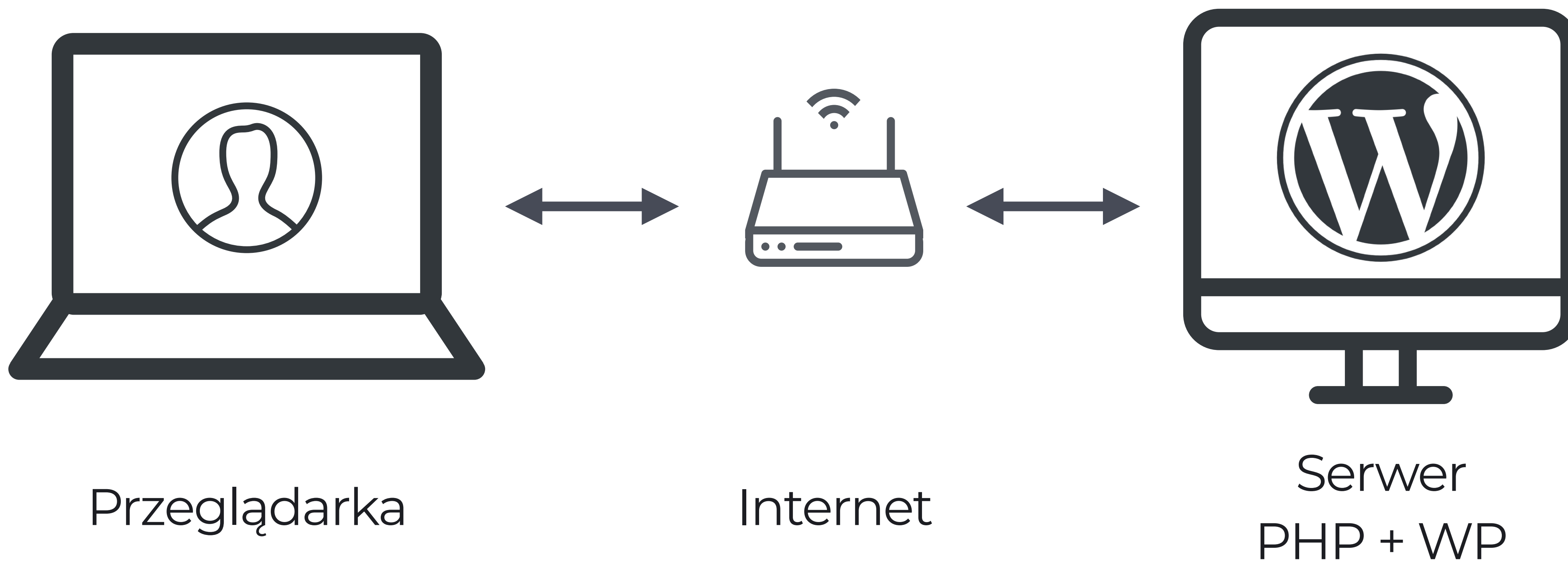


Translator zapytań



SQLite

# Nawigacja po klasycznym WordPressie



# Nawigacja po WordPress Playground



Przeglądarka



Internet



Serwer  
PHP + WordPress



# Nawigacja po WordPress Playground



Przeglądarka = Serwer PHP + WP

# JAK MOŻESZ UŻYĆ WORDPRESS PLAYGROUND?

---

ZBUDUJ APLIKACJĘ NA NAJBLIŻSZEJ PRZERWIE

## **Cztery sposoby**

1. Bez kodu
2. IFrame
3. JSON API (Blueprints)
4. JavaScript API

*Jak użyć WordPress Playground?*

**BEZ KODU**

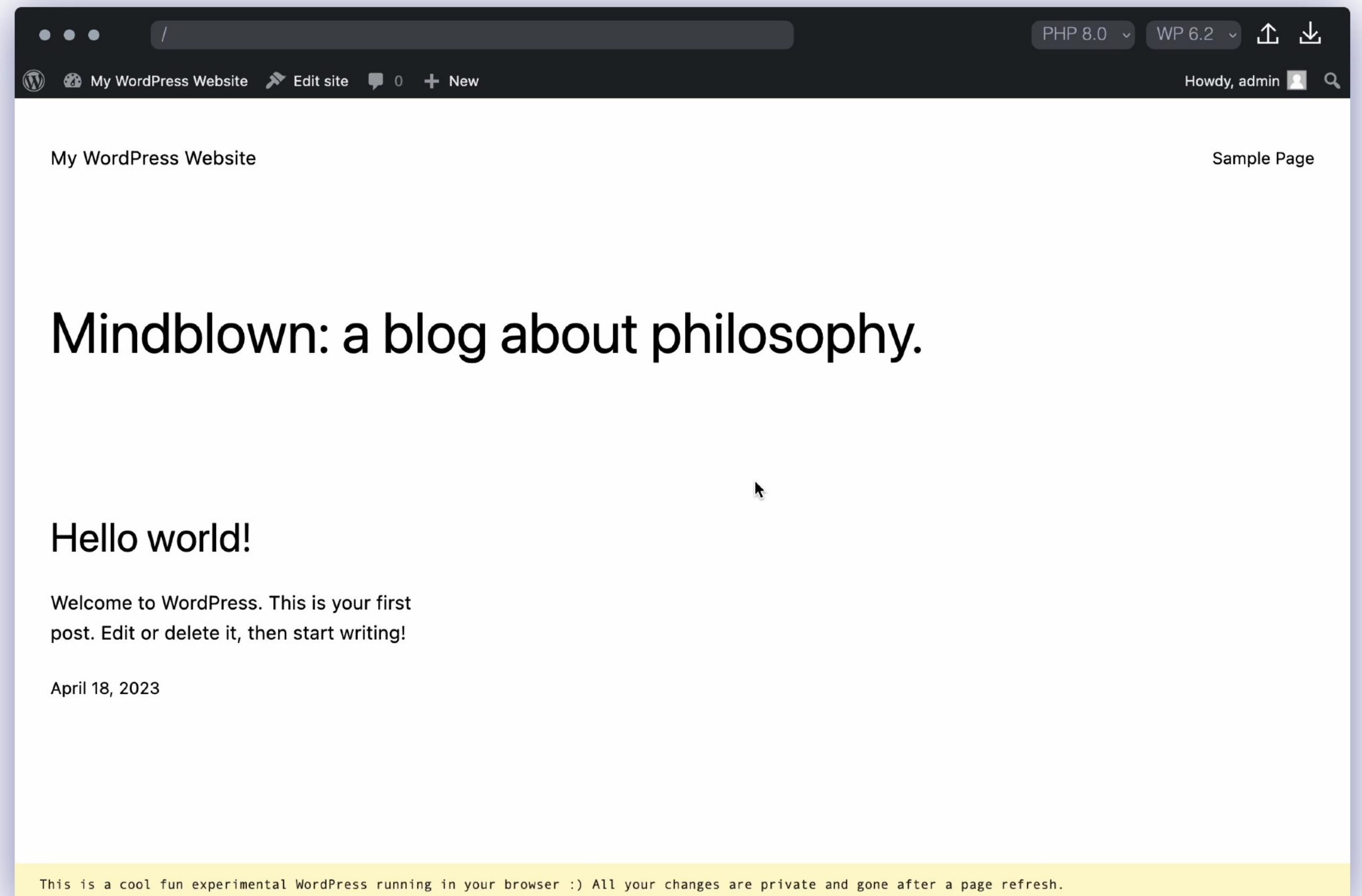
[playground.wordpress.net](https://playground.wordpress.net)



*Jak użyć WordPress Playground?*

**BEZ KODU**

[playground.wordpress.net](https://playground.wordpress.net)

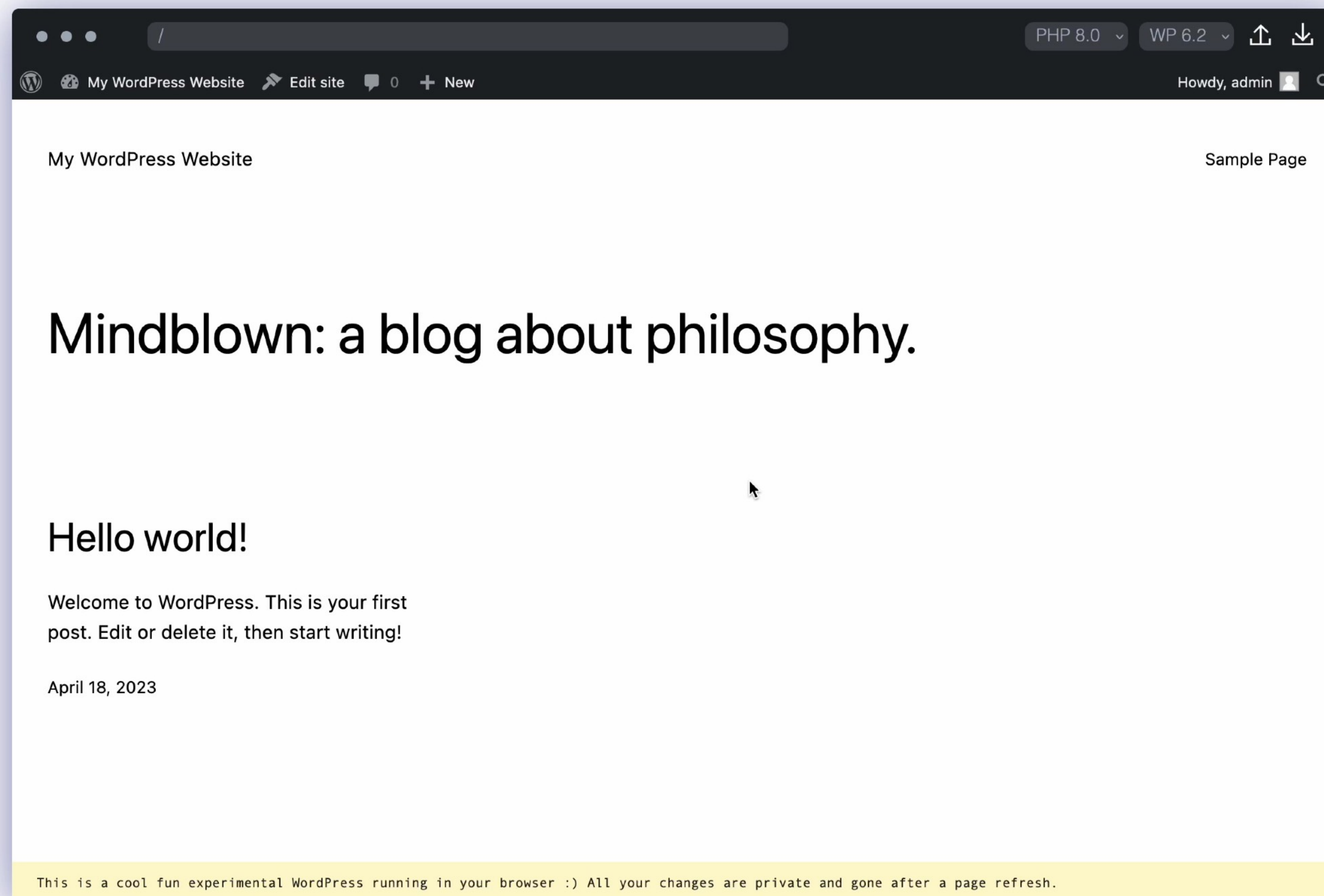


*Jak użyć WordPress Playground?*

## BEZ KODU

- Zbuduj i wyeksportuj stronę
- Przetestuj wtyczkę
- Przetestuj z inną wersją PHP / WP

[playground.wordpress.net](https://playground.wordpress.net)

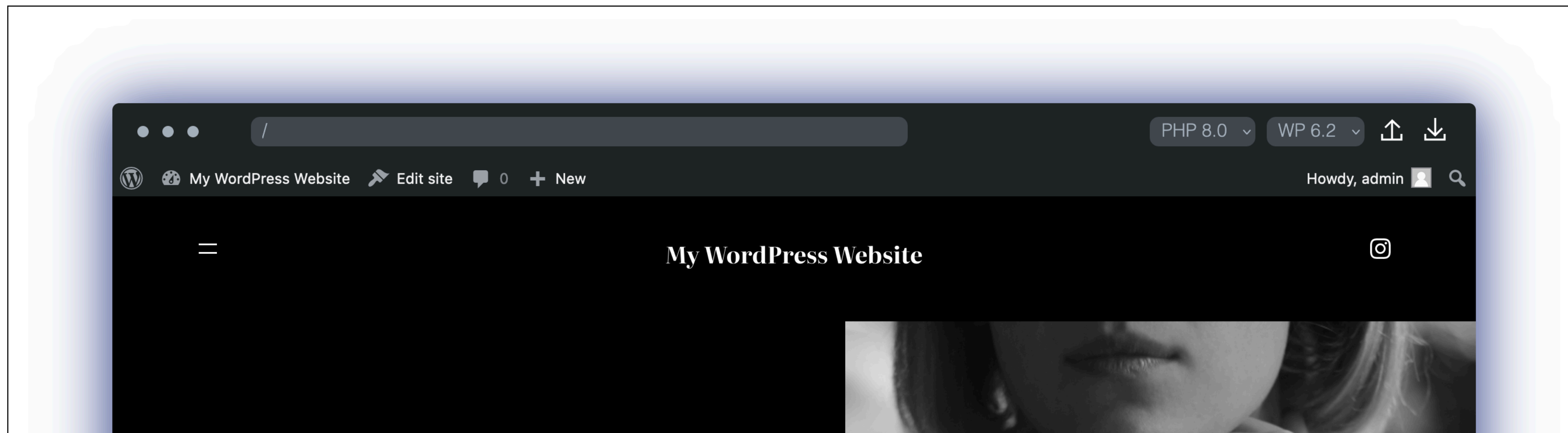


# **IFrame**

# IFrame

```
<h2>Theme Preview:</h2>  
<iframe  
  src="https://playground.wordpress.net/?theme=pendant"  
></iframe>
```

## Theme Preview:





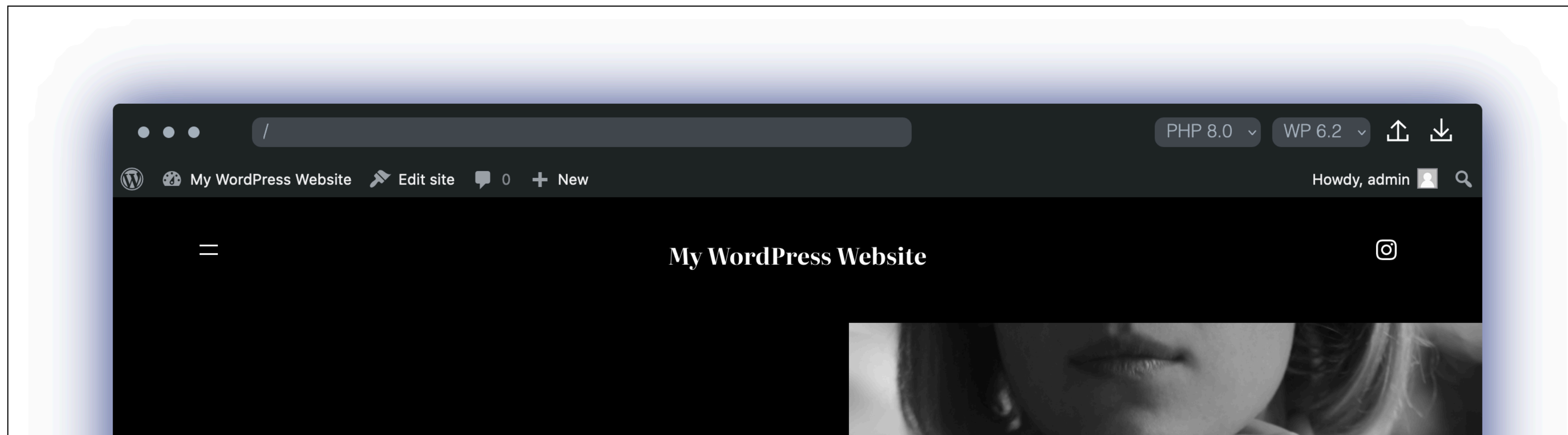
# IFrame

```
<h2>Theme Preview:</h2>  
<iframe  
  src="https://playground.wordpress.net/?theme=pendant"  
></iframe>
```

albo →

```
?php=8.0&wp=6.1  
?plugin=coblocks  
?mode=seamless  
?url=/wp-admin/
```

## Theme Preview:



*Jak użyć WordPress Playground?*

# Blueprints

# Blueprints

```
{"step": "installPlugin", "plugin": "bbpress"},  
{"step": "installPlugin", "plugin": "gutenberg"},  
{"step": "installTheme", "theme": "pendant"},  
{"step": "importData", "url": "https://..."},  
{"step": "login"},  
{"step": "runPHP", "code": "<?php ..."},  
{"step": "writeFile", "path": "/wordpress/phpinfo.php", "content": "..."},
```

*Jak użyć WordPress Playground?*

# JAVASCRIPT API

*Jak użyć WordPress Playground?*

# JAVASCRIPT API

```
import { startPlaygroundWeb } from '@wp-playground/client';

const client = await startPlaygroundWeb({
  iframe,
  remoteUrl: "https://playground.wordpress.net/remote.html",
});

await client.writeFile(
  '/index.php',
  '<?php echo "Hi!"; '
);

await client.run({
  scriptPath: '/index.php',
});

await client.request({
  url: '/index.php',
  method: 'POST',
  formData: {
    foo: 'bar',
  },
});
```

# PODSUMOWUJĄC

---

PO CO NAM WORDPRESS PLAYGROUND?



*/ Podsumowanie*

# **WORDPRESS PLAYGROUND**

- To WordPress w Twojej przeglądarce
- Gotowy na kliknięcie myszki
- Oficjalny, darmowy, open-source

*/ Podsumowanie*

# DOWIEDZ SIĘ WIĘCEJ



Ta prezentacja + linki: [bit.ly/wp-playground](https://bit.ly/wp-playground)

Wyszukaj **WordPress Playground** w GitHub, Twitter, Google

#meta-playground na WordPress.org Slack



adamzielin



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adamadam.blog