WordCamp US Portland Oregon 25

Contributing by Testing WordPress

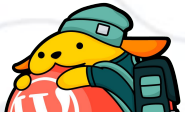
Dive into Contributing to WordPress and Make a Difference by Testing

Evan Mullins @circlecube

evanmullins.com

I use WordPress every day in my role at Bluehost, where I build WordPress tools for customers and contribute back to the project. I also use it for my own freelance and hobby projects. I love the visual problem-solving side of websites and strive to make the web a better place for everyone—even your grandma.

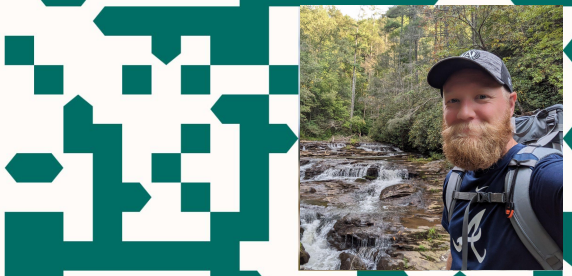
bluehost



Let’s explore the ways you can contribute by testing WordPress.

Follow Along:

evanmullins.com



Who Can Test?

You can!

Even if you have not yet contributed to WordPress and feel under-qualified.

It might seem like a small contribution but it helps move the project along.

All are invited and welcome to help test on any level you can.

Even You Can Test WordPress!

Testing WordPress is a valuable contribution that anyone can make!

Why? Contributions keep open source projects alive and moving!

Contribution History

Test Contributor

Opportunities to Test WordPress

1. Test Releases ✸
2. Test Tickets/Issues ✸
3. Outreach & Usability Tests
4. Accessibility Tests
5. Automated Tests

1. Testing Releases

Release Cycle Testing

WordPress 6.8

Beta 1: March 4, 2025

Beta 2: March 11

Beta 3: March 18

Release Candidate 1: March 25

Release Candidate 2: April 1

Release Candidate 3: April 8

Dry Run: April 14

General Release: April 15

WordPress 6.9

Beta 1: October 21, 2025

Beta 2: October 28

Beta 3: November 4

Release Candidate 1: November 11

Release Candidate 2: November 18

Release Candidate 3: November 25

Dry Run: December 1

General Release: December 2

Release Party Testing

Release Party Testing

During each release, a build is available to test in real-time just before the release is public.

Release parties are held in the official WordPress slack (#core).

The slack team is open and free to join with a wordpress.org account.

core WordPress CORE development only. NOT for su... 46,842 Canvas

1 Pinned Tickets Core Contributor Hand... Meeting Calendar +

huge.

Tuesday, July 16th

meher APP 12:02 PM

@here Welcome to the WordPress 6.6 release party.

🎉 6 👋 👋 6

Meher Bala 12:02 PM

<6.6-release-party>

If this is your first release party, welcome! And, if you attend release parties occasionally or regularly, welcome!

This post details out the process https://make.wordpress.org/core/2024/07/12/wordpress-6-6-release-day-process/

Zunaid Amin 12:02 PM

👋

Jigar Panchal 12:02 PM

👋

Vagelis Papaioannou 12:02 PM

🥳

Tremi Dkhar 12:02 PM

👋

Sergey Biryukov 🇷🇺 12:02 PM

❤️

❤️ 3

Benjamin Zekavica 🌍 12:03 PM

core WordPress CORE development only. NOT for su... 46,842 Canvas

Tuesday, July 16th

Meher Bala 12:27 PM

It's testing time!

7 8 1

There are 2 ways to help test the package:

1. Use WP-CLI to test: wp core update https://wordpress.org/wordpress-6.6.zip
2. Directly download the Beta/RC version (e.g., https://wordpress.org/wordpress-6.6.zip)

Tips On What to Test

In particular, testing the following types of installs and updates would be much appreciated:

- WordPress install works correctly for manual install processes, as well as WP-CLI or one-click installers.
- Test upgrading from 4.0.38, 4.9.22, 5.8.6, 5.9.5, 6.0.3, 6.1.3, 6.2.2, and 6.3, 6.4, 6.5, 6.6-RC4, as well as any other versions possible.
- Remove the wp-config.php file and test a fresh install.
- Test single site and multisite/network (both subdirectory and subdomain) installations.
- Does it upgrade correctly? Are the files listed in $_old_files removed when you upgrade?
- Does multisite upgrade properly?

You can report back by sharing how you tested and what the result was with an emoji. For example: 6.5 > 6.6 via beta tester

If it works, add ✅
If any issues happen, add 🔴 so we can investigate.

NEW

LaurentMILLET 12:29 PM

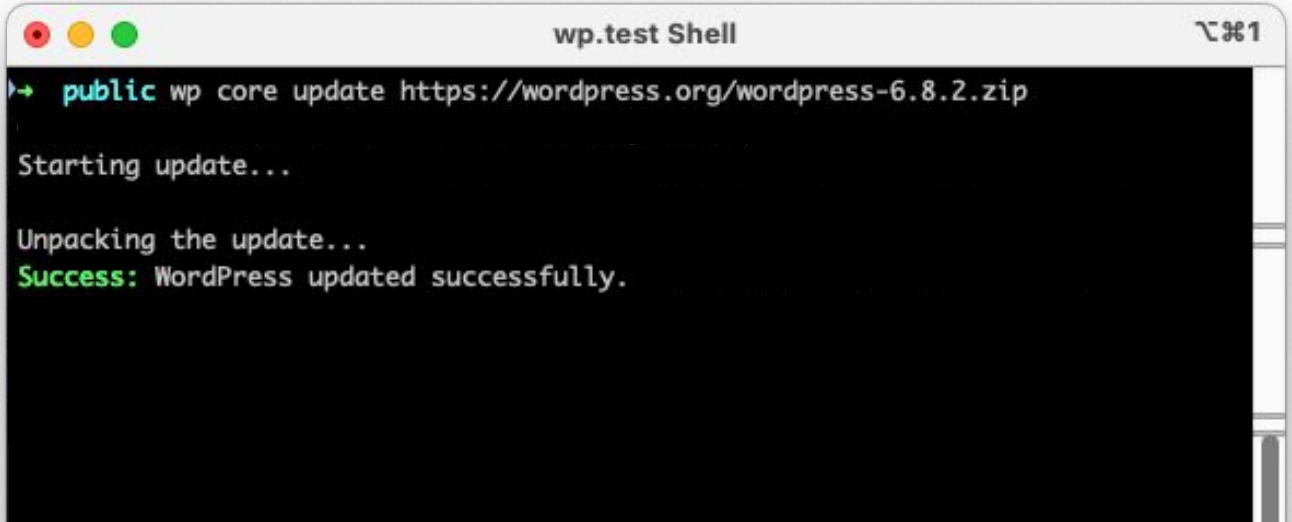
6.6-RC4 -> 6.6 via ZIP ✅
(PHP 8.3)
Create a post ✅
Create a comment ✅

2

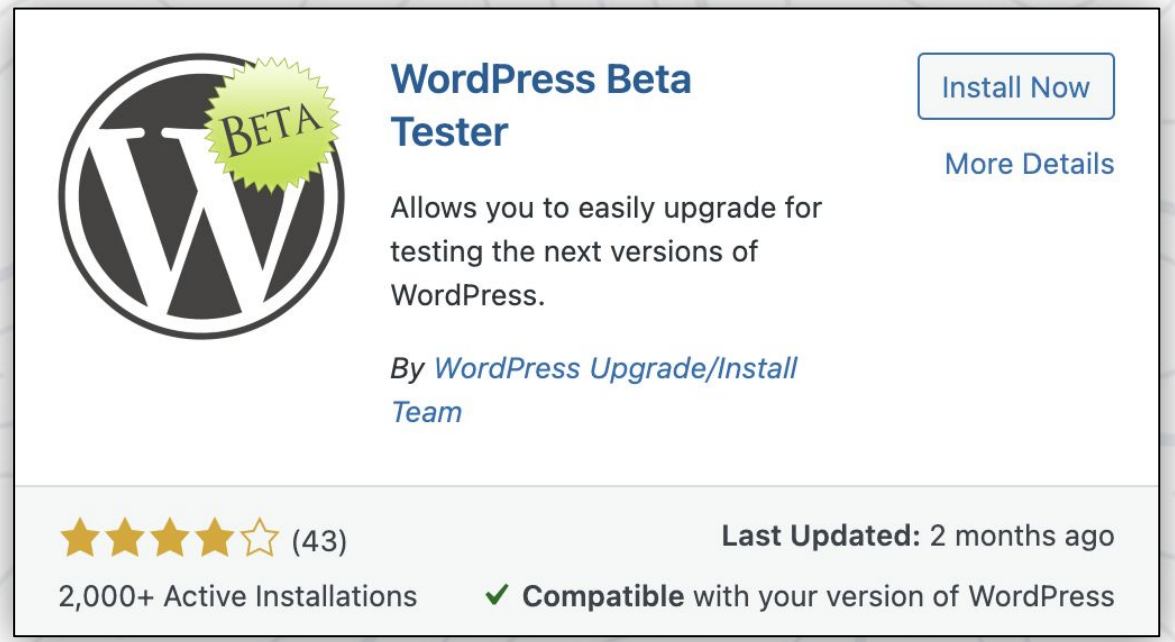
Release Party Testing

WP-CLI Command:

```
> wp core update https://wp.org/wp-X.Y.Z.zip
```



WordPress Beta Tester Plugin



Beta Testing WordPress

Help

WP Beta Tester Settings | Extra Settings

Core Settings

By their nature, these releases are unstable and should not be used anyplace where your data is important. So please back up your database before upgrading to a test release. In order to hear about the latest beta releases, your best bet is to watch the development blog and the beta forum.

Thank you for helping test WordPress. Please report any bugs you find.

By default, your WordPress installation uses the stable update channel. To return to this, please deactivate this plugin and re-install from the WordPress Updates page.

Currently your site is set to update to **version 6.8.3, 6.9-beta1, 6.9-RC1, or 6.9, whichever is released first**.

Select the update channel you would like this website to use:

Save after switching

- ○ **Point release** — This contains the work that is occurring on a branch in preparation for a 6.8.3 point release. This should also be fairly stable but will be available before the branch is ready for release.
- ◉ **Bleeding edge** — This is the bleeding edge development code from `trunk` which may be unstable at times. *Only use this if you really know what you are doing*.

Select one of the stream options below:

- ○ **Nightlies** — Latest daily updates.
- ◉ **Beta/RC Only** — This is for the Beta/RC releases only of the selected channel.
- ○ **Release Candidates Only** — This is for the Release Candidate releases only of the selected channel.

core WordPress Core Development Only – Not for Suppo... 50,649

Messages Files Bookmarks

Tuesday, July 8th

David Baumwald 11:37 AM
Please test: https://wordpress.org/wordpress-6.8.2-RC1.zip
🚀 2

Estela Rueda 11:37 AM
It's testing time!

Courtney Robertson 11:37 AM
6.8.1 on Playground to 6.8.2 via Beta Tester ✅
✅ 1

Estela Rueda 11:37 AM
There are several ways to test, so pick whatever feels most comfortable and report back as you go:

1. Install and activate the WordPress Beta Tester plugin. Select the Bleeding edge channel and then Beta/RC Only stream.
2. Use WP-CLI to test: wp core update –version=6.8.2
3. Directly download the Beta/RC version from https://wordpress.org/wordpress-6.8.2-RC1.zip (edited)

✅ 3

4 replies Last reply 1 month ago

Estela Rueda 11:38 AM
You can report back by sharing how you tested and what the result was with an emoji. For example:
6.8 > 6.8.2 via beta tester

core WordPress Core Development Only – Not for Suppo...

50,649

Messages Files Bookmarks +

Tuesday, July 8th

Jigar Panchal 11:39 AM
6.8.1 to 6.8.2 via Beta Tester ✅
✅ 1

Zunaid Amin 11:40 AM
6.8.1 -> 6.8.2 RC1 Via WP-CLI ✅
✅ 1

Shane Muirhead 11:40 AM
6.8.1 > 6.8.2 RC1 via clean install ✅ (edited)
✅ 1

Sukhendu Sekhar Guria 11:40 AM
6.7.2 → 6.8.2 RC1 via Beta Tester ✅
✅ 1

Ravi Gadhiya 11:40 AM
6.8.1 -> 6.8.2-RC1 Via Beta Tester Plugin ✅ (edited)
✅ 1

Kishan Jasani 11:40 AM
6.8.1 to 6.8.2-RC1 via Beta Tester and WP-CLI ✅
✅ 1

Kausar Alam 11:41 AM
6.8.1 to 6.8.2 via Beta Tester ✅
✅ 1

core

WordPress Core Development Only – Not for Suppo...

50,649

Messages | Files | Bookmarks | +

Tuesday, July 8th

mwillman1991 11:44 AM

6.8.2 RC1 on PHP 7.4 via LocalWP

Create new post ✅
Create new page ✅
Upload media file ✅
Create category & tag ✅
Assign category & tag to posts ✅
Create user ✅
Install plugin via plugin repository ✅
Install new theme via theme repository ✅

Azhar Deraiya 🏡 11:44 AM

Add/Edit Posts ✅
Add/Edit/Delete Category ✅
General Settings ✅
Add/Edit/Delete User ✅

Moses Cursor Ssebunya 11:44 AM

6.8.1 -> 6.8.2 RC1 Via Localhost ✅

Add/Edit Posts ✅
Add/Edit/Delete Category ✅
General Settings ✅
Add/Edit/Delete User ✅

Faisal Ahammad 11:44 AM

6.8.1 to 6.8.2-RC1 via Beta Tester plugin ✅

Estela Rueda 11:44 AM

More Slack Meeting Shout-outs

<testing-onboarding> in `#core-test`

Open meeting to ask questions about testing and working with Trac.

<patch-testing-scrub> in `#core-test`

Go through a list of tickets and help move each one towards resolution. Determining the next step needed, test, and update the ticket.

2. Testing Issues

Testing Bug Fixes

With every bug or issue that is reported in WordPress, we have the opportunity to:

1. reproduce the issue
2. test that a patch fixes the issue
3. that it doesn’t cause other issues.

2 Paths: Core/Trac OR Gutenberg/GitHub

News Showcase Hosting Extend Learn Community About Get WordPress

Make WordPress Core

Blog Handbook Tickets Components
logged in as circlecube Notifications Logout

Search

New Ticket

WordPress Trac

Create a new ticket

Trac is the place to follow along with the development of WordPress. You can view recent code changes in the Timeline section of this site.

If you are looking to submit a bug report, please head on over.

You will automatically receive notifications for tickets you have reported or participated in. If you would like to receive notifications for any other ticket, click the star next to its summary to "watch" it.

You can browse the source of WordPress here, but you probably also want to install a development version of WordPress locally.

Security Issues

If you have encountered a security issue that isn't addressed in a released version of WordPress, please report it to the WordPress HackerOne program. For more, see our Security FAQ in the handbook.

Contributing

There are many ways to contribute to WordPress. We have a detailed contributor handbook to help get you started.

If you want to get started quickly, test a patch, or grab a bug and see if you can reproduce the problem it describes. Don't miss the PHP and JS unit tests — and if you like writing unit tests, there are some tickets that could use them.

There are a lot of resources in the handbook, including sections on reporting bugs and how we use Trac, tutorials on how to create patches, and more.

Follow the Firehose

There is also an RSS feed and an mailing list to follow along with every single discussion on Trac, but be aware that these can be ver

WordPress / gutenberg

Type / to search

Code Issues 5k+ Pull requests 1.2k Discussions Actions Projects 15 Security

gutenberg Public

Edit Pins Watch 351 Fork 4.1k Starred 10

trunk Go to file t Code

3 people Double click block ... fae4d1b · 1 hour ago 33,347 Commits

.cache	Run PHPUnit jobs across multip...	last year
.github	task: Remove dcalhoun code o...	last week
.husky	Tools: Husky upgrade and git ig...	3 years ago
.vscode	Replaces usages of workspace...	3 years ago
backport-changelog	Relocate backport files for grid ...	2 days ago
bin	JSON Schema Docgen Rework ...	2 months ago
docs	Fix wrong code snippets in API ...	4 days ago
lib	Add new zoom out experiment ...	7 hours ago
packages	Double click block to exit zoom...	1 hour ago
patches	Upgrade postcss-urlrebase pa...	2 months ago
phpunit	Media & Text: don't use backgr...	6 hours ago
platform-docs	Dependencies: Upgrades and d...	3 months ago
schemas	.wp-env.json schema: Fi...	

About

The Block Editor project for Wor
and beyond. Plugin is available fr
official repository.

wordpress.org/gutenberg/

wordpress wordpress-plugin gutenberg

Readme
View license
Code of conduct
Security policy
Activity
Custom properties
10.3k stars
351 watching
4.1k forks
Report repository

Releases 519

Trac Tickets - Path 1

WordPress uses Trac, an open source bug tracker tool.

Tickets are used for both bug reports and feature development.

Tickets may be created by anyone with a WordPress.org account.

Goal to keep in mind: Participate in constructive dialog to resolve issues.

News Showcase Hosting Extend Learn Community About Get WordPress

Make WordPress Core

Blog Handbook Tickets Components
logged in as circlecube Notifications Logout

New Ticket

Search

New Custom Query

{21} Latest Tickets (135 matches)

- All tickets opened in the last two months
- Sort by created
- Highlighted tickets are still 'Awaiting Review'

Update Max items per page 200

Create a new ticket

Today (10 matches)

Ticket	Summary	Reporter	Component	Priority	Severity	Milestone	Type	Workflow	Modified
#63853	Add PHP 8.5 compat array functions: `array_first` and `array_last`	TobiasBg	General	normal	normal	6.9	enhancement		08/20/2025
#63852	Code block does not use fall back to default Monospace font with TwentyTwentyFive theme	climatesaver	Bundled Theme	normal	normal	Awaiting Review	defect (bug)		08/20/2025
#63851	Audit wp_json_encode usage with script tags	jonsurrell	General	normal	normal	6.9	task (blessed)		08/20/2025
#63849	Add Persistent Filtering on WordPress Posts or WooCommerce Products	MyWorldz	General	normal	normal	Awaiting Review	feature request	reporter-feedback	08/20/2025
#63848	Dead link in IXR introspection server (specUrl points to xmlrpc.usefulinc.com)	mayur8991	XML-RPC	normal	normal	Awaiting Review	defect (bug)	dev-feedback	08/20/2025
#63847	Twenty Twenty One :- Quote block does not adjust width for inner block in the editor when it has Full or Wide width.	nidhidhandhukiya	Bundled Theme	normal	normal	Awaiting Review	defect (bug)		08/20/2025
#63846	Connect WordPress Media Library to cloud storage	kimjiwoon	Media	normal	normal	Awaiting Review	feature request	dev-feedback	08/20/2025
#63845	Command Palette: Enqueue command-related assets for all admin pages	wildworks	Editor	normal	normal	6.9	enhancement	has-patch	08/20/2025
#63843	`<wfw:commentRss>` in feeds can be empty causing invalid feed when filtered by `post_comments_feed_link`	jerclarke	Feeds	normal	normal	Awaiting Review	defect (bug)	dev-feedback	08/19/2025

Trac Ticket Reports

Latest Tickets Active Tickets Trac Timeline Ticket Graphs Browse Source Milestones

Me

Create a Ticket My Tickets My Patches Tickets I've Participated In Tickets I'm Watching

Tickets by Release

Next Major Release (6.9)
Grouped by workflow

Next Minor Release
Grouped by workflow

Future Releases
Grouped by workflow

Tickets by Topic

Tickets by Component

Select a component

Tickets by Focus

Select a focus

Design your own query

Getting Started

Patches Needing Testing
Needs Unit Tests
Tickets without a Patch
Good First Bugs for New Contributors

GitHub Issues - Path 2

The block and site editor are both part of the Gutenberg feature plugin.

Issues related to these are in the github gutenberg project.

The ticket lifecycle is essentially the same.

Not to be confused with the WordPress mirror on github, which integrates with trac.

Issues · WordPress/gutenberg

github.com/WordPress/gutenberg/issues

WordPress / gutenberg

Type / to search

Code | Issues 5k+ | Pull requests 1.8k | Discussions | Actions | Projects 9 | Security | Insights

Phase 3: Collaboration
#61162 · priethor opened on Apr 26, 2024 — 2

Editor Roadmap
#52128 · mtias opened on Jun 29, 2023

Block API
#41236 · gziolo opened on May 23, 2022 — 29

is:issue state:open

Labels | Milestones | New issue

Open 5,810 | Closed 24,270 | Author | Labels | Projects | Milestones | Assignees | ···

- `useFocusOutside` doesn't run callback when unmounted [Type] Bug
  #71281 · jeryj opened 30 minutes ago — 1
- Audit wp_json_encode usage with script tags [Status] In Progress [Type] Task Good First Issue
  #71278 · sirreal opened 3 hours ago — 1 — 1
- Improve paragraph handling in Gutenberg to mimic Mastodon-style line breaks [Feature] Writing Flow [Status] In discussion [Type] Enhancement
  #71275 · Jiwoon-Kim opened 4 hours ago — 5
- DataViews: Selection does not persist across pages [Feature] DataViews [Package] DataViews [Type] Bug
  #71269 · talldan opened 10 hours ago
- Command Palette: Add permission check to "Patterns", "Add Post", "Add Page" [Package] Core commands [Status] In Progress [Type] Bug [Type] Command Palette
  #71263 · t-hamano opened 18 hours ago — 1 — 1
- Generate branch-specific Storybook preview sites [Package] Components [Type] Enhancement Storybook
  #71259 · aduth opened yesterday
- Command Palette: Add "Dashboard" option to return to wp admin [Package] Commands [Status] In Progress [Type] Command Palette [Type] Enhancement
  #71258 · annezazu opened yesterday — 1 — 2
- Command Palette: Add "Site Editor" and "Editor" options [Package] Commands [Status] In Progress [Type] Command Palette [Type] Enhancement
  #71257 · annezazu opened yesterday — 1 — 2

github.com/WordPress/wordpress-develop

WordPress / wordpress-develop

Type / to search

Code | Pull requests 2.4k | Actions | Security 27 | Insights

wordpress-develop

Public

Edit Pins | Watch 142 | Fork 3k | Starred 3.1k

trunk | 61 Branches | 781 Tags | Go to file t | + | Code

SergeyBiryukov XML-RPC: Update `specUrl` links in `IXR_Server` and `IX... 55644dc · yesterday 51,325 Commits

.cache	Build/Test Tools: Cache the results of `PHP_CodeSniffer` ...	4 years ago
.devcontainer	Build/Test Tools: Mount correct volume directory for dev...	5 months ago
.github	Build/Test Tools: Adjust various jobs names in the GitHu...	last week
src	XML-RPC: Update `specUrl` links in `IXR_Server` and `IXR...	yesterday
tests	Posts, Post Types: Avoid an extra database query in `WP_...	2 days ago
tools	Build/Test Tools: Don't run WP-CLI commands as root in...	last month
.editorconfig	General: Instruct file editors not to trim trailing whitespa...	7 years ago
.env.example	Build/Test Tools: Use MySQL 8.4 as the default.	8 months ago
.eslintignore	Build/Test: Fix JavaScript linting scripts	6 months ago
.eslintrc-jsdoc.js	Build/Test Tools: Enable JSDocs to be linted with ESLint.	5 years ago
.git-blame-ignore-revs	Coding Standards: Ignore blank space only commit.	2 months ago
.gitignore	Build/Test Tools: Instruct git and svn to ignore SQLite files	7 months ago
.jshintrc	Bump `esversion` from 6 to 10 in JSHint config.	5 months ago
.mailmap	Add Adam Zieliński to the mailmap file.	last year
.npmrc	Build/Test Tools: Configure npm to `prefer-dedupe`.	10 months ago
.nvmrc	Build/Test Tools: Raise minimum required version of Nod...	2 years ago

About

WordPress Develop, Git-ified. Synced from git://develop.git.wordpress.org/, including branches and tags! This repository is just a mirror of the WordPress subversion repository. Please include a link to a pre-existing ticket on https://core.trac.wordpress.org/ with every pull request.

make.wordpress.org/core/handbook/c...

Readme
Code of conduct
Contributing
Security policy
Activity
Custom properties
3.1k stars
142 watching
3k forks
Report repository

Releases

781 tags

Contributors 92

Simplified Bug Lifecycle

1. Report
2. Reproduce *
3. Patch
4. Validate *
5. Merge
6. Ship

* requires testing

Report

Create New Ticket

ARE YOU IN THE RIGHT PLACE

This is not for support.
Please try the support forums.

Do not report potential security vulnerabilities here.
See the Security FAQ and visit the WordPress HackerOne program.

This form is for suggesting enhancements and reporting bugs in WordPress. Here are some questions and tips to help you write a great bug report:

- Are you using either the latest version of WordPress, or the latest development version? If not, please update first.
- What steps should be taken to consistently reproduce the problem?
- Does the problem occur even when you deactivate all plugins and use the default theme?
- In case it's relevant to the ticket, what is the expected output or result? What did you see instead?
- Please provide any additional information that you think we'd find useful. (OS and browser for UI defects, server environment for crashes, etc.)
- Please create Gutenberg issues on the project's GitHub issue tracker.

You can search for existing tickets here. For more help, please see the contributor handbook.

Summary:

Description: B I A PHP — ¶ ↵ You may use WikiFormatting here.

Type: defect (bug)

Severity: normal

Version:

Component: General

Workflow Keywords: - Add - Manual

Contributor Focuses:

ui | accessibility | javascript | css | tests | docs | rtl | admin | template | multisite | rest-api | performance | privacy | sustainability | ui-copy | coding-standards | php-compatibility

Action

create *The status will be 'new'.*

assign to < default > *The owner will be the specified user.*

I have files to attach to this ticket

Preview | Create ticket

Report

☑ I have files to attach to this ticket

Preview | Create ticket

(ticket not yet created)

new defect (bug)

X does not Y when using Z

Reported by:	desrosjbot	Owned by:	
Priority:	normal	Milestone:	Awaiting Review
Component:	Media	Version:	5.6
Severity:	normal	Keywords:	needs-unit-tests
		Focuses:	docs

Description

When using Z, X does not Y. Instead, it does A, and B. Because this is an unexpected outcome, this causes C.

To reproduce:

1. Step 1
2. Step 2
3. Step 3
4. Step 4

I've verified this issue on a fresh install of WordPress with all plugins disabled.

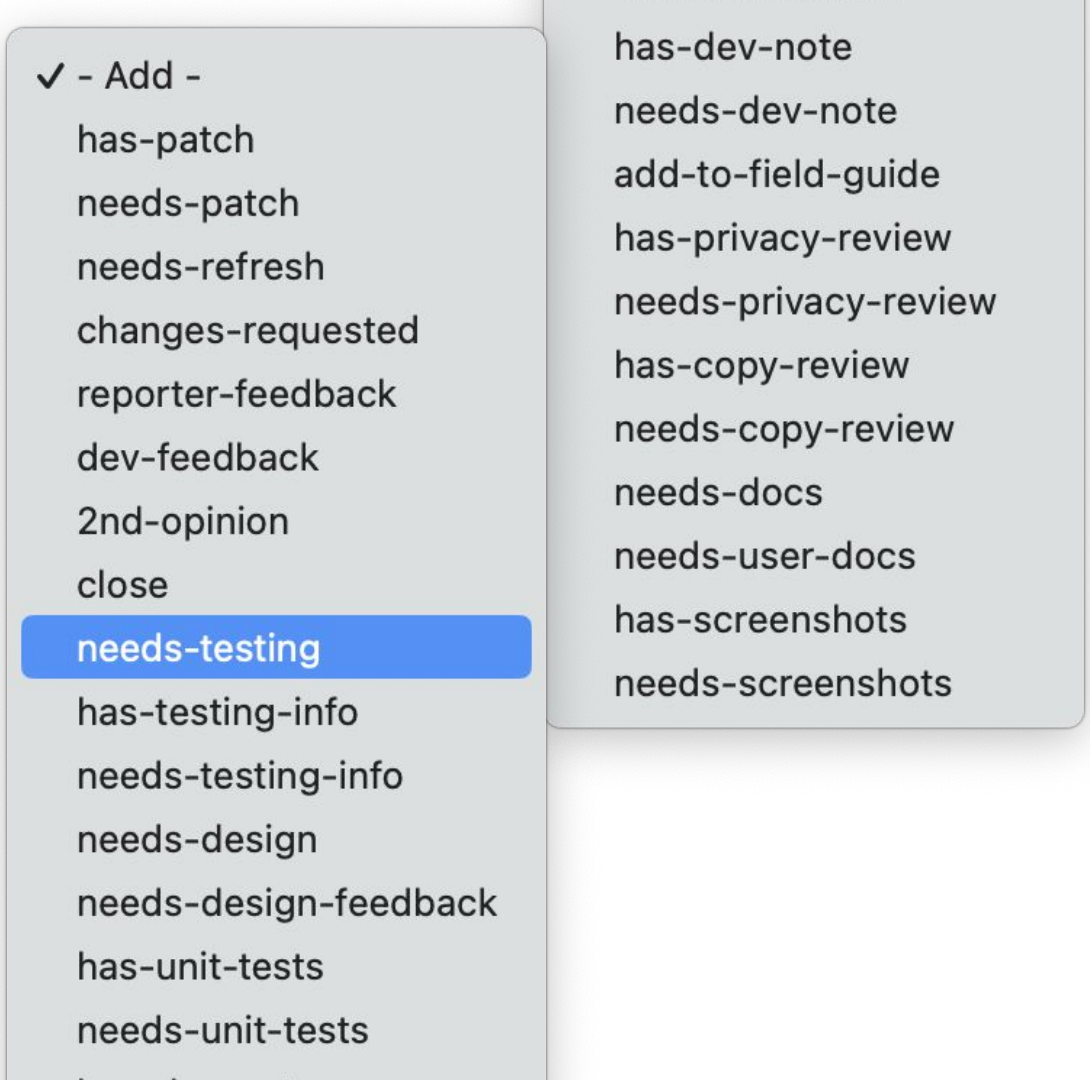
DRAFT

Note: See TracTickets for help on using tickets.

Workflow Keywords

You can contribute at any state, but pay close attention to workflow keywords:

- #needs-testing indicates the ticket is looking for testers
- #has-patch the ticket has a patch and is ready for testing to ensure it fixes the issue
- #needs-screenshots can you reproduce the issue and add screenshots?



Report
Security Vulnerabilities
should be reported at HackerOne
and not publicly on trac!

Report

Reporting

A user (Issue Reporter) submits a bug in WordPress core.

The Reporter’s involvement doesn’t end after submitting the ticket. Others may request more information with the #reporter-feedback keyword.

Reporters can also help validate and test that proposed patches fix the bug.

Report

#40578 closed defect (bug

Opened 8 years ago
Closed 8 years ago
Last modified 8 years ago

Media Library: Clicking the edges of the media does not select, it only focuses the li.

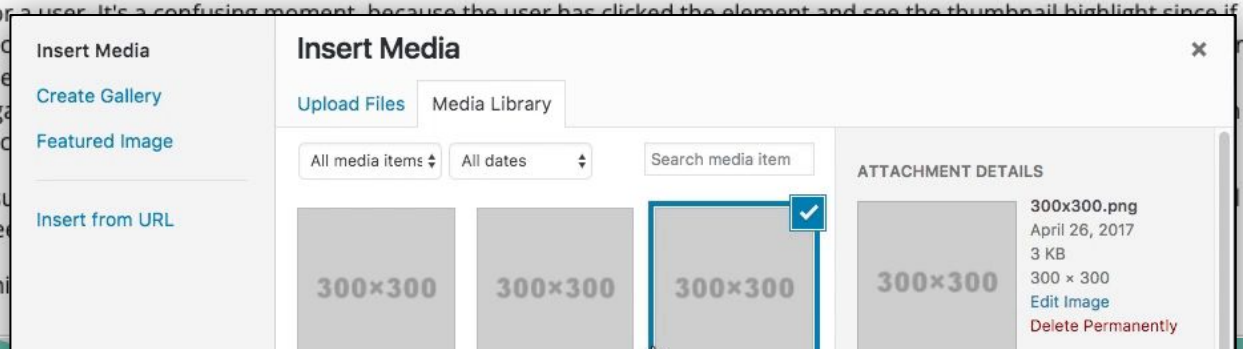
Reported by:	circlecube	Owned by:	adamsilverstein
Milestone:	~~4.9~~	Priority:	normal
Severity:	normal	Version:	4.8
Component:	Media	Keywords:	good-first-bug has-patch needs-testing
Focuses:	ui		

Description

Reply

A user attempting to select the media element from the library can often not click the center of the thumbnail. There is an 8px margin on the containing LI element and if the thumbnail is clicked within that 8pm margin, the LI will receive focus (which is nice), but the thumbnail is not selected. This is also possible to do by clicking the white space between the thumbnails in the grid. The closer thumbnail will receive focus, but not be selected.

For a user, It's a confusing moment, because the user has clicked the element and see the thumbnail highlight since if

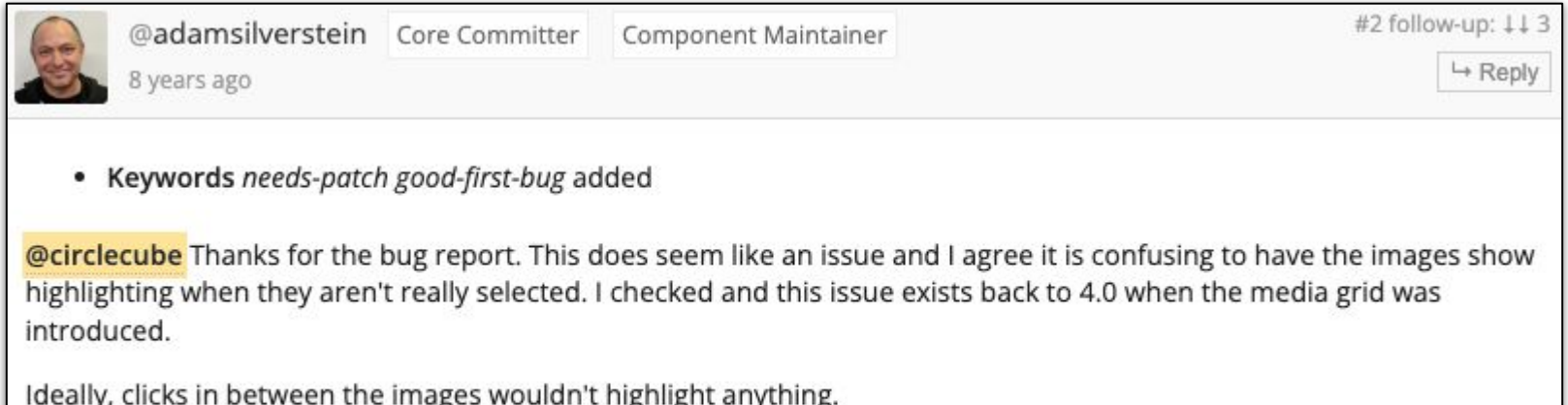


Reproduce

Can the issue be reproduced as reported?

If you can, elaborate on the issue, write clear steps to reproduce and add screenshots.

If you can't, ask for more information and add the #reporter-feedback keyword to let the reporter know too.



Reproduce

#61940 new defect (bug)

12 months ago
ified 11 months ago

`upgrader_process_complete` runs when no plug

Reported by:	brianhenryie	Owned by:	
Milestone:	Awaiting Review	Priority:	normal
Severity:	normal	Version:	
Component:	Upgrade/Install	Keywords:	

Description

When JavaScript is disabled it is possible to submit `plugins.php`'s Bulk actions `bu`
Update option `update-selected`:

> The update process is starting. This process may take a while on some hosts, so ple
> Updating Plugin (1/1)
>
> The plugin is at the latest version.
>
> updated successfully.

@circlecube
12 months ago

- **Keywords** *has-screenshots* added

I tested this and confirm that when javascript is disabled, the plugins bulk update fires with no plugins selected.
Attached a quick gif above.

Debugger

☑ Disable JavaScript

Plugins Add New Plugin

All (6) | Active (2) | Inactive (4) | Must-Use (2) | Drop-ins (2) | Auto-up

✓ Bulk actions
Activate
Deactivate
Update
Delete
Enable Auto-updates
Disable Auto-updates

Apply

Description

Security, performance, and marketin
your site protected so you can focus

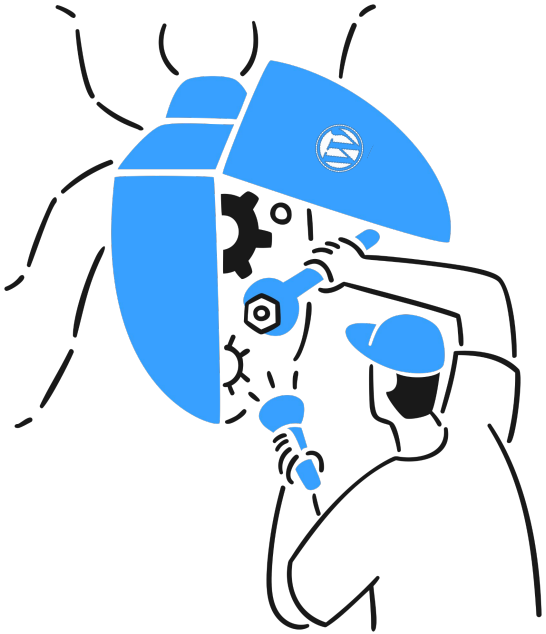
Version 13.7 | By Automattic | View d

Patch

Anyone can submit a code changes that fix reported bugs.

This process is also known as “patching”

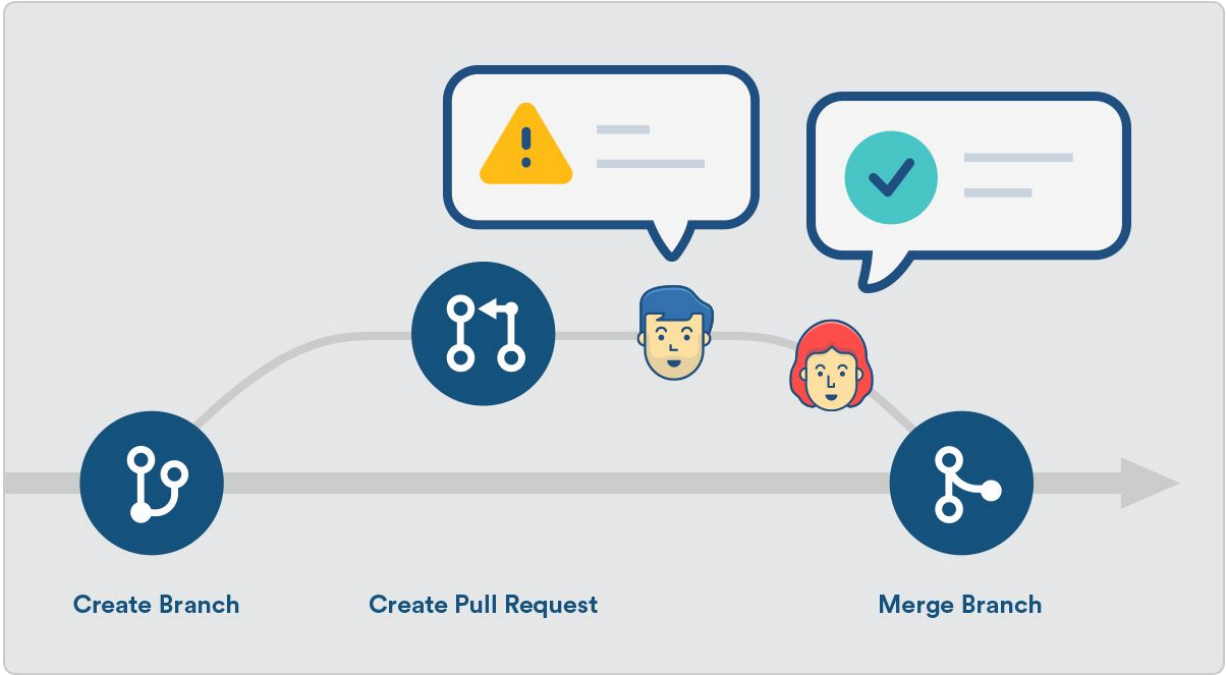
Patches on a ticket are either a submitted file that shows the code changes or a pull request to the github mirror.



Patch

GitHub Pull Requests

The equivalent of a Patch in git is a Pull Request, it’s just a collection of code changes.



Patch

Pull requests · WordPress/gu

github.com/WordPress/gutenberg/pulls

WordPress / gutenberg

Code | Issues 5k+ | Pull requests 1.8k | Discussions | Actions | Projects 9 | Security

Filters | is:pr is:open | Author | Label | Projects

1,762 Open | 38,510 Closed

- Validated form controls: Add story for validation in popover [Package] Components Storybook [Type] Developer Documentation
  #71282 opened 6 minutes ago by mirka · Draft
- Fix: Add JSON_HEX_TAG flag to wp_json_encode in script tags
  #71280 opened 1 hour ago by R1shabh-Gupta · Review required
- Block Editor: Fold `uniqueByBlock` into `options` object [Package] Block editor [Type] Code Quality
  #71279 opened 1 hour ago by Mamaduka · Review required
- DataViews: remove the ability to hide the config [Feature] DataViews [Type] Enhancement
  #71276 opened 4 hours ago by oandregal · Review required
- Bump on-headers, compression and appium dependencies javascript
  #71273 opened 8 hours ago by dependabot bot · Review required
- Button Block: No color contrast warning, regardless of chosen colors [Block] Buttons [Type] Bug
  #71272 opened 8 hours ago by shrivastavanolo · Review required
- Block comments: Add comment indicators in the block toolbar
  #71271 opened 9 hours ago by yashjawale · Draft
- Bump brace-expansion dependencies javascript
  #71270 opened 9 hours ago by dependabot bot · Review required
- Add permission checks to Command Palette commands [Package] Core commands [Type] Bug
  #71267 opened 12 hours ago by R1shabh-Gupta · Review required
- Command Palette: Enqueue assets globally [Type] Code Quality [Type] Command Palette
  #71264 opened 17 hours ago by t-hamano · Approved
- Core Commands: Add `Site Editor` and `Editor` commands to admin dashboard [Type] Enhancement

github.com/WordPress/wordpress-develop/pulls

WordPress / wordpress-develop

Code | Pull requests 2.4k | Actions | Security 27 | Insights

Filters | is:pr is:open | Labels 13 | Milestones 0 | New pull request

2,429 Open | 7,127 Closed | Author | Label | Projects | Milestones | Reviews | Assignee | Sort

- General: Add input validation to `get_calendar()` for invalid week and month parameters
  #9575 opened 7 hours ago by himanshupathak95 · Draft
- Trigger the wp_cron action from the shutdown hook instead of the init hook to reduce TTFB (⏱ Time To First Byte) and improve performance 📈
  #9574 opened 8 hours ago by pmbaldha
- Fix incorrect @var annotation for _WP_Dependency::$args
  #9573 opened 11 hours ago by Adi-ty
- Bump backbone from 1.6.0 to 1.6.1 in the external-miscellaneous group dependencies javascript
  #9572 opened 12 hours ago by dependabot bot
- Bump the external-react group with 3 updates dependencies javascript
  #9571 opened 12 hours ago by dependabot bot
- Bump chalk from 5.4.1 to 5.6.0 in the dev-miscellaneous group dependencies javascript
  #9570 opened 12 hours ago by dependabot bot
- Bump the dev-docker group with 3 updates dependencies javascript
  #9569 opened 12 hours ago by dependabot bot
- Bump the dev-webpack group with 5 updates dependencies javascript
  #9568 opened 12 hours ago by dependabot bot
- Bump the dev-css-sass group with 4 updates dependencies javascript
  #9567 opened 12 hours ago by dependabot bot
- Bump the tests-qunit group with 2 updates dependencies javascript
  #9566 opened 12 hours ago by dependabot bot
- Bump @playwright/test from 1.50.1 to 1.55.0 in the tests-playwright group dependencies javascript
  #9565 opened 12 hours ago by dependabot bot

Patch

@circlecube
8 years ago

#8

Reply Edit

After some digging I think the best way to resolve this is to update the js to match the css. A
`li.attachment` will give it focus, but only by clicking the `div.attachment-preview` (w
`li`) will select the media. So here's a patch that updates the javascript event attached to th
clicking the `li.attachment` will select it.

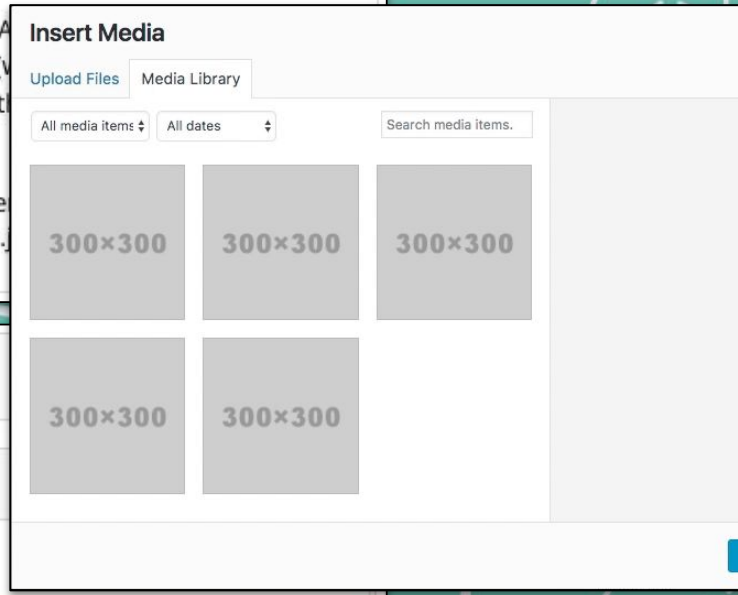
From my testing the keyboard controls all still work, and not I'm not able to focus an eleme
Styling is all the same. See Attachment 40578-2.diff (it includes the js file as well as the min.j

File 40578-3.diff, 519 bytes (added by circlecube, 8 years ago)

cleaner patch with just the single line change

wp-includes/js/media-views.js

```
2697  2697        },
2698  2698
2699  2699        events: {
2700                    'click .js--select-attachment':   'toggleSelectionHandler',
      2700              'click':  'toggleSelectionHandler',
2701  2701              'change [data-setting]':          'updateSetting',
2702  2702              'change [data-setting] input':    'updateSetting',
2703  2703              'change [data-setting] select':   'updateSetting',
```



Validate

Validate or Test a Patch

Testing patches is an important part of ensuring the quality of WordPress.

Steps:

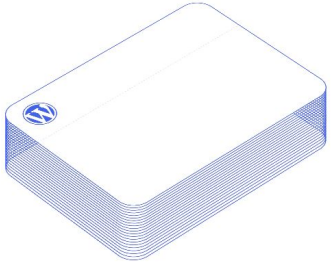
1. WordPress Environment
2. Reproduce the issue
3. Apply the patch
4. Perform Testing: try to reproduce the issue again
5. Give feedback

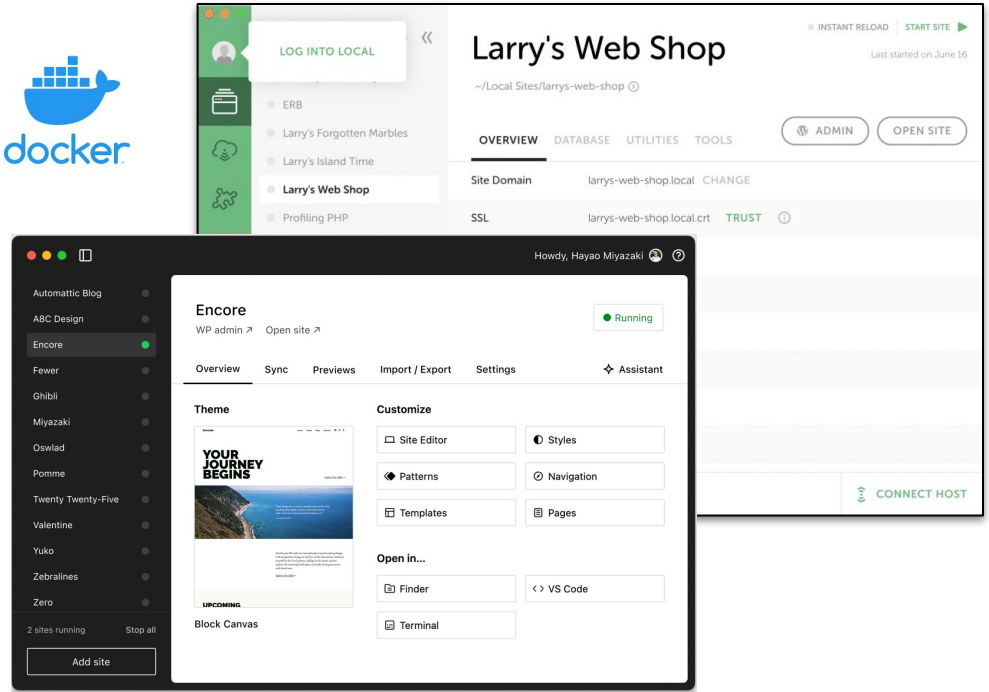
Validate

Test Environment

There are multiple ways to set up a local core WordPress environment. Find one that works for you. There are many helpful tools:

- Docker
- wp-env
- Local
- Studio
- Playground





Validate

Applying Code Updates

There are also multiple ways to update code to test updates in WordPress:

.diffs **PRs** **Playground**

▾ **Attachments** (6)

- 20170426-media-library-focus-select.gif (1.8 MB) - added by circlecube 7 years ago.
  media library focus select issue
- 40578.diff (923 bytes) - added by *psiico* 7 years ago.
  patch
- 40578-2.diff (134.7 KB) - added by circlecube 7 years ago.
- May-01-2017 10-59-20-patch40578-2.gif (2.0 MB) - added by circlecube 7 years ago.
  here's a screengif of the patch with the fix.
- 40578-3.diff (519 bytes) - added by circlecube 7 years ago.
  cleaner patch with just the single line change
- 40578.2.diff (1.1 KB) - added by *adamsilverstein* 7 years ago.

Attach another file

Validate

Apply `.diff` for testing

Apply a patch to your local working copy with grunt commands.

`> npm run grunt patch` - after download the diff

`> npm run grunt patch:00000` - include ticket number

`> npm run grunt patch:<link.to/ticket/00000>` - link

`> npm run grunt patch:<link.to/00000.diff>` - diff link

Validate

```
→  wordpress-develop git:(trunk) npm run grunt patch:61381

> WordPress@6.7.0 grunt
> grunt patch:61381

package.json has not been modified.
Running "patch:61381" (patch) task
patching file 'src/js/_enqueues/wp/updates.js'

Done.
→  wordpress-develop git:(trunk) ✗
```

Validate

Attachments (9)

- Screenshot 2020-10-16 at 11.10.57.png (33.9 KB) - added by *johnbillion* 4 years ago.
- Screenshot 2020-10-16 at 11.11.26.png (25.3 KB) - added by *johnbillion* 4 years ago.
- 51551.patch (429 bytes) - added by *opurockey* 4 years ago.
  Apply patch
- 51551.1.patch (429 bytes) - added by *opurockey* 4 years ago.
  Apply patch
- admin-menu.png (44.1 KB) - added by *ryelle* 3 years ago.
- 51551.2.diff (379 bytes) - added by *kurudrive* 3 years ago.
- 51551_1_ss.png (364.7 KB) - added by *kurudrive* 3 years ago.
- 51551.3.diff (362 bytes) - added by *kurudrive* 3 years ago.
- admin-menu- 51551-3-diff.mov (802.4 KB) - added by *kurudrive* 3 years ago.

Attach another file

Download all attachments as: .zip

Pull Requests (2)

#685 51551 Unclickable area within admi... by @colinduwe	✅ Closed	+17 -1	View patch	View PR
#1629 remove the cursor pointer rule for... by @circlecube	✅ Closed	+0 -1	View patch	View PR

Validate

Apply `.diff` for testing

The same grunt commands work with PRs too

```
> npm run grunt patch:<link.to.patch/00000.diff>
> npm run grunt patch:<link.to.pr/00000>
```

or checkout the git branch associated with the pull request

wordpress.org/playground/

Validate

News Showcase Hosting Extend Learn Community About Get WordPress

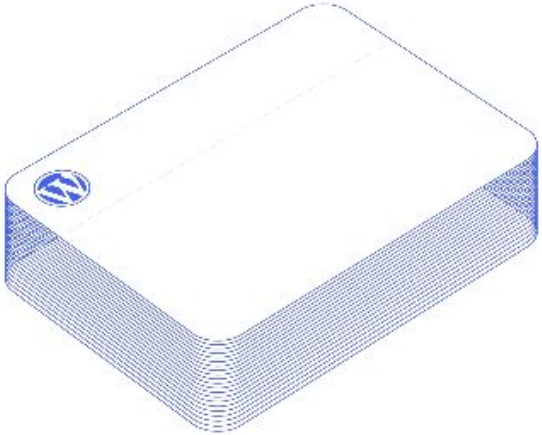
WordPress Playground

Documentation ↗ Philosophy ↗ Contribute ↗

WordPress in one click

WordPress Playground is the platform that lets you run WordPress instantly on any device without a host. It's your place to build, experiment, test, and grow.

Explore Playground



Validate

github-actions bot commented 8 hours a

Test using WordPress Playground

The changes in this pull request can previewed and tested using a WordPress Playground instance.

WordPress Playground is an experimental project that creates a full WordPress instance entirely within the browser.

Some things to be aware of

- The Plugin and Theme Directories cannot be accessed within Playground.
- All changes will be lost when closing a tab with a Playground instance.
- All changes will be lost when refreshing the page.
- A fresh instance is created each time the link below is clicked.
- Every time this pull request is updated, a new ZIP file containing all changes is created. If changes are not reflected in the Playground instance,
  it's possible that the most recent build failed, or has not completed. Check the list of workflow runs to be sure.

For more details about these limitations and more, check out the Limitations page in the WordPress Playground documentation.

Test this pull request with WordPress Playground.

Validate

WordPress PR Previewer

playground.wordpress.net/wordpress.html

Pull request number or URL:

Go

Powered by WordPress Playground . To build a previewer like this for your repository, check the code on GitHub and the documentation page.

Validate

WordPress Playground

playground.wordpress.net/?core-pr=9545#%7B "$schema": "https://playgroun...

/wp-admin/

My WordPress Website 0 New

Howdy, admin

Dashboard
Home
Updates
Posts
Media
Pages
Comments
Appearance
Plugins
Users
Tools
Settings
Collapse Menu

Dismiss

Welcome to WordPress!

Learn more about the 6.9 version.

Author rich content with blocks and patterns

Block patterns are pre-configured block layouts. Use them to get inspired or create new pages in a flash.

Add a new page

Customize your entire site with block themes

Design everything on your site — from the header down to the footer, all using blocks and patterns.

Open site editor

Switch up your site's look & feel with Styles

Tweak your site, or give it a whole new look! Get creative — how about a new color palette or font?

Edit styles

PHP Update Recommended

Your site is running on an outdated version of PHP (7.4.31-dev), which does not receive security updates. It

Quick Draft

Title

Validate

0 + New

Welcome to WordP

Learn more about the 6.9 version.

Author rich content with blocks and patterns

Block patterns are pre-configured block layouts. Use them to get inspired or create new pages in a flash.

Add a new page

Customize your e with block theme

Design everything on y from the header down footer, all using blocks patterns.

Open site editor

Playground settings

WordPress Version -- Select a version --

Need an older version?

PHP Version PHP 7.4

Language English (United Stat...

- [x] Allow network access
- [ ] Create a multisite network

Destructive action! Applying these settings will reset the WordPress site to its initial state.

Apply Settings & Reset Playground

Validate

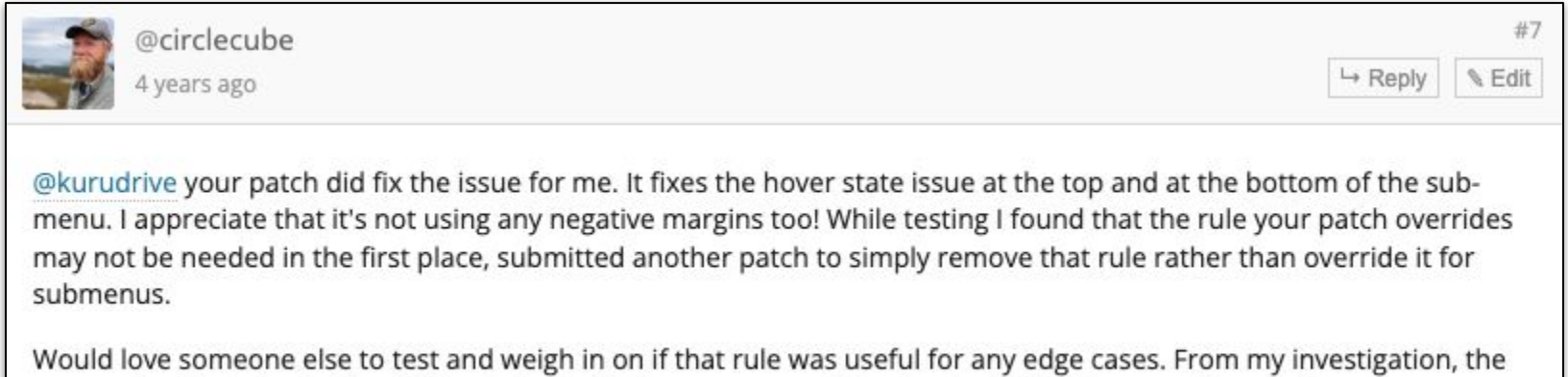
Give Feedback, Continue the Discussion

Whether testing in Playground or locally, be sure to give feedback after testing a patch!

Most importantly, indicate if the patch fixes the issue for you.

As always, screenshots are worth a thousand words!

There are even templates to get you started if you’re not sure what to say.



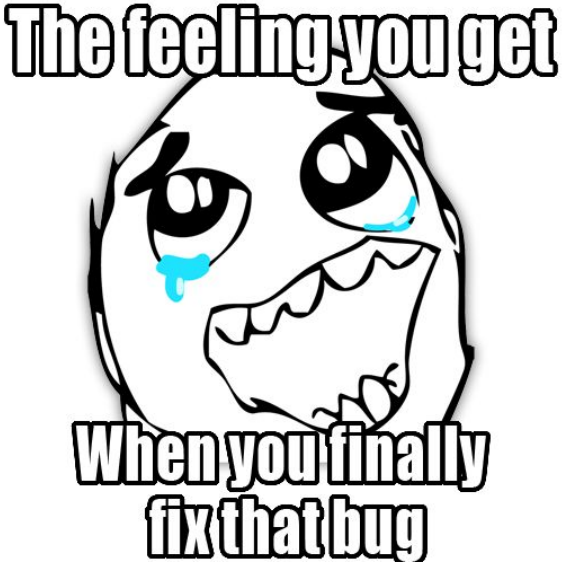
Validate

```
== Test Report
This report validates that the indicated patch addresses the issue.
Patch tested: REPLACE_WITH_PATCH_URL

=== Environment
- OS: macOS 12.3.1
- Web Server: Nginx
- PHP: 7.4.29
- WordPress: 6.0-RC1-53341-src
- Browser: Safari 15.4
- Theme: Twenty Twenty-Two
- Active Plugins:
  - Gutenberg 13.2.0
  - WordPress Beta Tester 3.2.1

=== Actual Results
- ✅ Issue resolved with patch.

=== Additional Notes
- Any additional details worth mention.

=== Supplemental Artifacts
Add Inline: [[Image(REPLACE_WITH_IMAGE_URL)]]
Or
Add as Attachment
```

Merge and Ship

Once the bug is reported, reproduced, patched and validated a core committer may then merge the code changes.

This updates the source code to WordPress and is typically then released in the next release!



/wp-admin/credits.php

My WordPress Website 0 New Howdy, admin

- Dashboard
- Posts
- Media
- Pages
- Comments
- Appearance
- Plugins
- Users
- Tools
- Settings
- Collapse Menu

Contributors

Created by a worldwide team
of passionate individuals

What's New | Credits | Freedoms | Privacy | Get Involved

Want to see your name in lights on this page?
Get involved in WordPress.

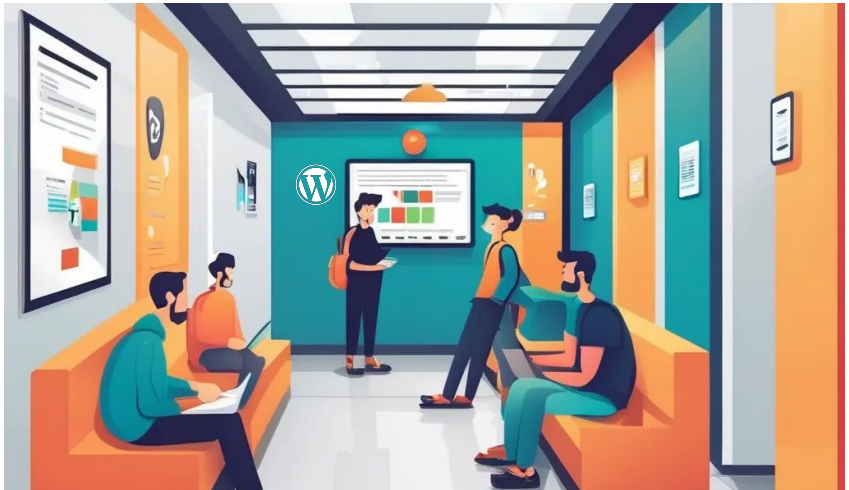
Noteworthy Contributors

3. Usability Testing/Outreach

FSE Outreach Experiment Project

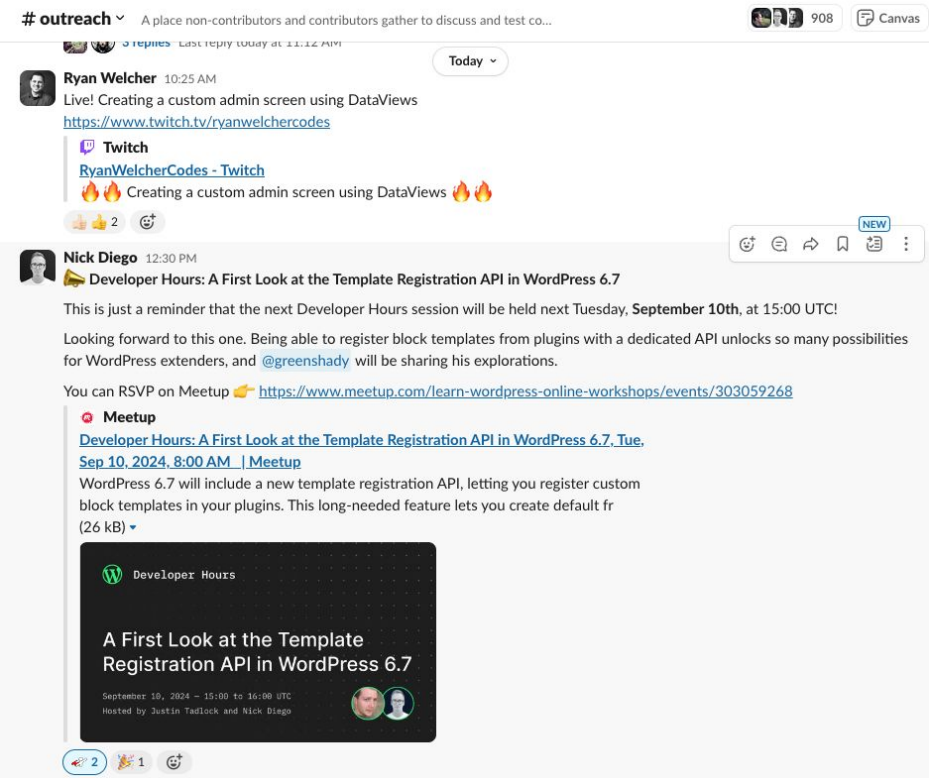
In 2020, experiment outreach project started to better connect those building with WordPress and upcoming features.

The program now encompases various hallway hangouts, calls for testing, and an outreach channel in slack.



#outreach

A slack channel where non-contributors and contributors gather to discuss and test coming features. Beyond bug reports and PRs. A space for site builders and extenders.



4. Accessibility Testing

Testing for Web Accessibility (a11y)

One in four people in the United States has a disability.

Technology built with accessibility in mind makes things easier for everyone.

WordPress tests against the WCAG 2.1 AA guidelines.

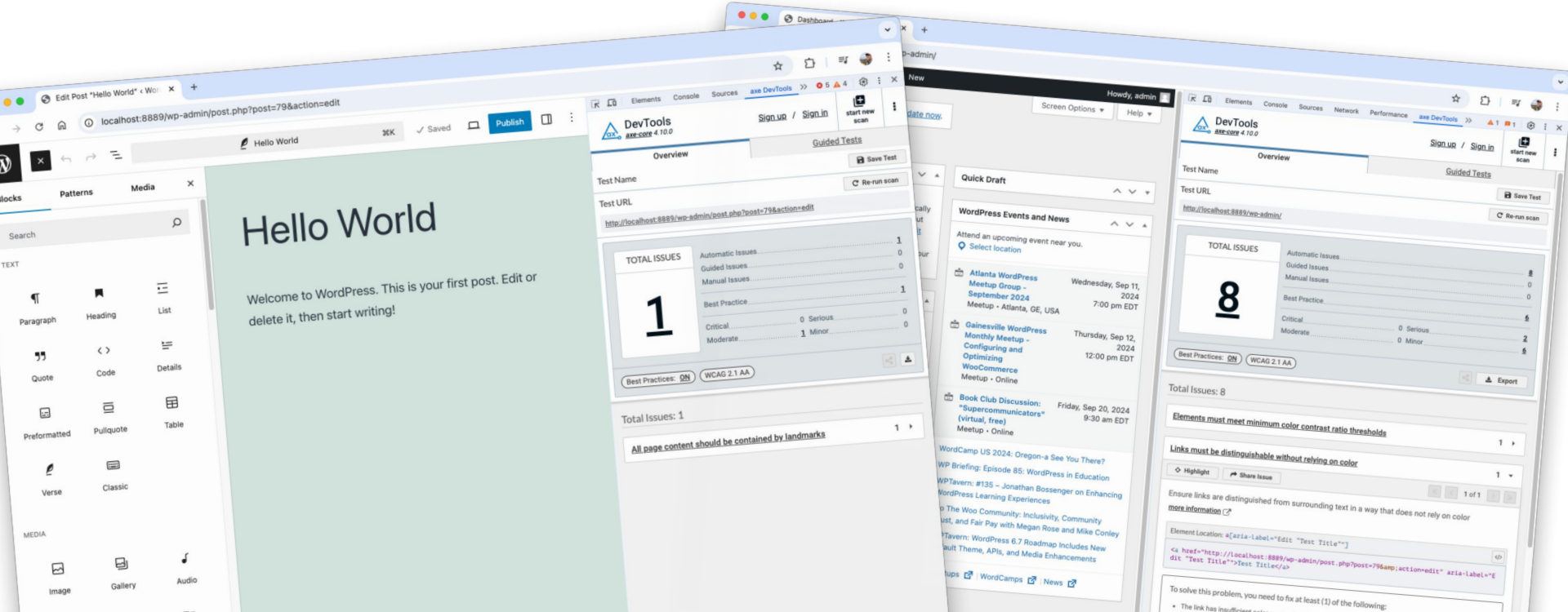
A11y

1. **Perceivable**
   Is all content available to everyone?
2. **Operable**
   Can visitors use all functionality?
3. **Understandable**
   Can visitors comprehend all content?
4. **Robust**
   Can visitors use any device?

- Keyboard Navigation
- Color Contrast
- Screen Reader Compatibility
- Image alt text
- …

A11y: Resources

[aXe browser addon](#) for Chrome and FireFox



A11y: Get Involved

WordPress Accessibility Day 2025
October 15th-16th - Free Livestream

Accessibility Handbook | Gutenberg

Trac tickets with an accessibility focus

Gutenberg ticket labels:
Needs Accessibility Feedback
[Focus] Accessibility (a11y)

5. Automated Testing

Automated Testing

Automated Tests check that each component runs as it should.

Unit tests validate the expected behavior of isolated source code.

E2E (end to end) tests simulate a real user scenario and validate user flows.

PHP Unit Tests - PHPUnit

PHPUnit for PHP testing:

```
npm install
```

```
npm run build:dev
```

```
npm run env:start
```

```
npm run env:install
```

```
npm run test:php
```

```
● → wordpress-develop git:(trunk) ✗ npm run test:php

  > WordPress@6.9.0 test:php
  > node ./tools/local-env/scripts/docker.js run --rm php ./vendor/bin/phpunit

  Installing...
  Running as single site... To run multisite, use -c tests/phpunit/multisite.xml
  Not running ajax tests. To execute these, use --group ajax.
  Not running ms-files tests. To execute these, use --group ms-files.
  Not running external-http tests. To execute these, use --group external-http.
  PHPUnit 9.6.25 by Sebastian Bergmann and contributors.

  Warning:       Your XML configuration validates against a deprecated schema.
  Suggestion:    Migrate your XML configuration using "--migrate-configuration"!

  ............WW.............................................   59 / 26129 (  0%)
  ..............................................................  118 / 26129 (  0%)
  ..............................................................  177 / 26129 (  0%)
  .WWWWWW.......................................................
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  ..............................................................  2419 / 26129 (  9%)
  ..............................................................  2478 / 26129 (  9%)
  ..............................................................  2537 / 26129 (  9%)
```

26129 tests completed in 5:50

Tests: 26129, Assertions: 92834, Warnings: 86, Skipped: 37.

```
  ..............................................................  23187 / 26129 ( 88%)
  ..............................................................  23246 / 26129 ( 88%)
  ..............................................................  23305 / 26129 ( 89%)
  ..............................................................  23364 / 26129 ( 89%)
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  ..............................................................  25901 / 26129 ( 99%)
  ..............................................................  25960 / 26129 ( 99%)
  ..............................................................  26019 / 26129 ( 99%)
  ..............................................................  26078 / 26129 ( 99%)
  ...............................................................  26129 / 26129 (100%)

  Time: 05:50.027, Memory: 378.06 MB

  There were 86 warnings:
```

```php
/**
 * Tests that an empty string is returned when the user does not have the correct capabilities.
 *
 * @ticket 61400
 */
public function test_should_return_empty_string_without_proper_capabilities() {
    wp_set_current_user( self::$user_id );

    $actual = wp_get_plugin_action_button(
        self::$test_plugin->name,
        self::$test_plugin,
        true,
        true
    );

    $this->assertIsString( $actual, 'A string should be returned.' );
    $this->assertEmpty( $actual, 'An empty string should be returned.' );
}
```

JS Unit tests - QUnit

QUnit for Javascript testing

- Clone wordpress-develop

  `npm install`

  `composer install`

  `npm run build`

- Open `/tests/qunit/index.html`

file:///www/wordpress-develop/tests/qunit/index.html

WordPress QUnit Test Suite

☐ Hide passed tests ☐ Check for Globals ☐ No try-catch Filter: Go Module: All modules

QUnit 2.21.0; Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/128.0.0.0 Safari/537.36

213 tests completed in 2750 milliseconds, with 0 failed, 0 skipped, and 0 todo.
514 assertions of 514 passed, 0 failed.

1. **wp-api-request: does not mutate original object (5)** Rerun — 1 ms
2. wp-a — 0 ms
3. wp-a — 0 ms
4. wp-a — 0 ms
5. wp-a — 0 ms
6. wp-a — 0 ms
7. wp-a — 0 ms
8. wp-a — 0 ms
9. wp-a — 0 ms
10. wp-a — 0 ms
11. **wpapi: API Loaded correctly (2)** Rerun — 18 ms
12. **Media Widgets: namespace (7)** Rerun — 0 ms
13. **Media Widgets: media widget control (2)** Rerun — 0 ms
14. **Media Widgets: media widget model (8)** Rerun — 0 ms
15. **Image Media Widget: image widget control (24)** Rerun — 3 ms
16. **Image Media Widget: image widget control renderPreview (1)** Rerun — 3 ms
17. **Image Media Widget: image media model (17)** Rerun — 0 ms
18. **Gallery Media Widget: gallery widget control (2)** Rerun — 0 ms
19. **Gallery Media Widget: gallery media model (9)** Rerun — 0 ms

213 tests completed in 2750 milliseconds, with 0 failed, 0 skipped, and 0 todo.

514 assertions of 514 passed, 0 failed.

```jquery
/* global passwordStrength, wp, jQuery */
jQuery( function() {
    QUnit.module( 'password-strength-meter' );

    QUnit.test( 'mismatched passwords should return 5', function( assert ) {
        assert.equal( passwordStrength( 'password1', 'username', 'password2' ), 5, 'mismatched passwords return 5' );
    });

    QUnit.test( 'passwords shorter than 4 characters should return 0', function( assert ) {
        assert.equal( passwordStrength( 'abc', 'username', 'abc' ), 0, 'short passwords return 0' );
    });

    QUnit.test( 'long complicated passwords should return 4', function( assert ) {
        var password = function( length ) {
            var i, n, retVal = '',
                possibility = 'abcdefghijklnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789';
            for ( i = 0, n = possibility.length; i < length; i++ ) {
                retVal += possibility.charAt( Math.floor( Math.random() * n ) );
            }
            return retVal + 'aB2'; // Add a lower case, uppercase and number just to make sure we always have one of each.
        },
        twofifty = password( 250 );

        assert.equal( passwordStrength( twofifty, 'username', twofifty ), 4, '250 character complicated password returns 4' );
    });
```

End to End (e2e) Tests - Playwright

- Clone wordpress-develop
- Setup and run the wordpress environment

```
npm install
npm run env:start
npm run test:e2e
```

Gutenberg also has it’s own playwright tests.

```
⊗ → wordpress-develop git:(trunk) ✗ npm run test:e2e

  > WordPress@6.9.0 test:e2e
  > wp-scripts test-playwright --config tests/e2e/playwright.config.js


  Running 25 tests using 1 worker

    ✓  1 …tives.test.js:11:6 › Cache Control header directives › No private directive present in cache control when user not logged in. (8.6s)
    ✓  2 …irectives.test.js:35:6 › Cache Control header directives › Private directive header present in cache control when logged in. (458ms)
    ✓  3 …:49:6 › Cache Control header directives › Correct directives present in cache control header when not logged in on 404 page. (225ms)
    ✓  4 [chromium] › tests/e2e/specs/dashboard.test.js:11:6 › Quick Draft › Allows draft to be created with Title and Content (1.1s)
    ✓  5 [chromium] › tests/e2e/specs/dashboard.test.js:48:6 › Quick Draft › Allows draft to be created without Title or Content (949ms)
    ✓  6 …um] › tests/e2e/specs/edit-posts.test.js:11:6 › Edit Posts › displays a message in the posts table when no posts are present (306ms)
    ✓  7 …m] › tests/e2e/specs/edit-posts.test.js:21:6 › Edit Posts › shows a single post after one is published with the correct title (3.7s)
    ✓  8 [chromium] › tests/e2e/specs/edit-posts.test.js:42:6 › Edit Posts › allows an existing post to be edited using the Edit button (2.7s)
    ✓  9 …tests/e2e/specs/edit-posts.test.js:72:6 › Edit Posts › allows an existing post to be quick edited using the Quick Edit button (2.0s)
    ✓  10 …mium] › tests/e2e/specs/edit-posts.test.js:110:6 › Edit Posts › allows an existing post to be deleted using the Trash button (1.8s)
    ✓  11 [chromium] › tests/e2e/specs/empty-trash-restore-trashed-posts.test.js:13:6 › Empty Trash › Empty Trash (3.1s)
    ✓  12 [chromium] › tests/e2e/specs/empty-trash-restore-trashed-posts.test.js:33:6 › Empty Trash › Restore trash post (3.7s)
    ✓  13 [chromium] › tests/e2e/specs/fatal-error-handler.test.js:33:6 › Fatal error handler › should display fatal error notice (95ms)
    ✓  14 …neral-settings-invalid-timezone.test.js:7:7 › Settings -> General › Does not allow saving an invalid timezone string with "" (1.4s)
    ✓  15 …ral-settings-invalid-timezone.test.js:7:7 › Settings -> General › Does not allow saving an invalid timezone string with "0" (900ms)
    ✓  16 …ngs-invalid-timezone.test.js:7:7 › Settings -> General › Does not allow saving an invalid timezone string with "Barry/Gary" (892ms)
    ✓  17 [chromium] › tests/e2e/specs/gutenberg-plugin.test.js:25:6 › Gutenberg plugin › should activate (1.9s)
    ✓  18 [chromium] › tests/e2e/specs/hello.test.js:7:6 › Hello World › Should load properly (275ms)
    ✘  19 …pecs/install.test.js:34:6 › WordPress installation process › should install WordPress with pre-existing database credentials (5.2s)
    ✓  20 [chromium] › tests/e2e/specs/login-localize-script.test.js:45:6 › Localize Script on wp-login.php › should localize script (437ms)
    ✓  21 [chromium] › tests/e2e/specs/maintenance-mode.test.js:27:6 › Maintenance mode › should display maintenance mode page (95ms)
  Failed to load resource: the server responded with a status of 503 (Service Unavailable)
    ✓  22 [chromium] › tests/e2e/specs/media-upload.test.js:11:5 › Test dismissing failed upload works correctly (896ms)
    ✓  23 …le/applications-passwords.test.js:19:6 › Manage applications passwords › should correctly create a new application password (720ms)
    ✓  24 …applications-passwords.test.js:43:6 › Manage applications passwords › should correctly revoke a single application password (588ms)
    ✓  25 …applications-passwords.test.js:66:6 › Manage applications passwords › should correctly revoke all the application passwords (616ms)
```

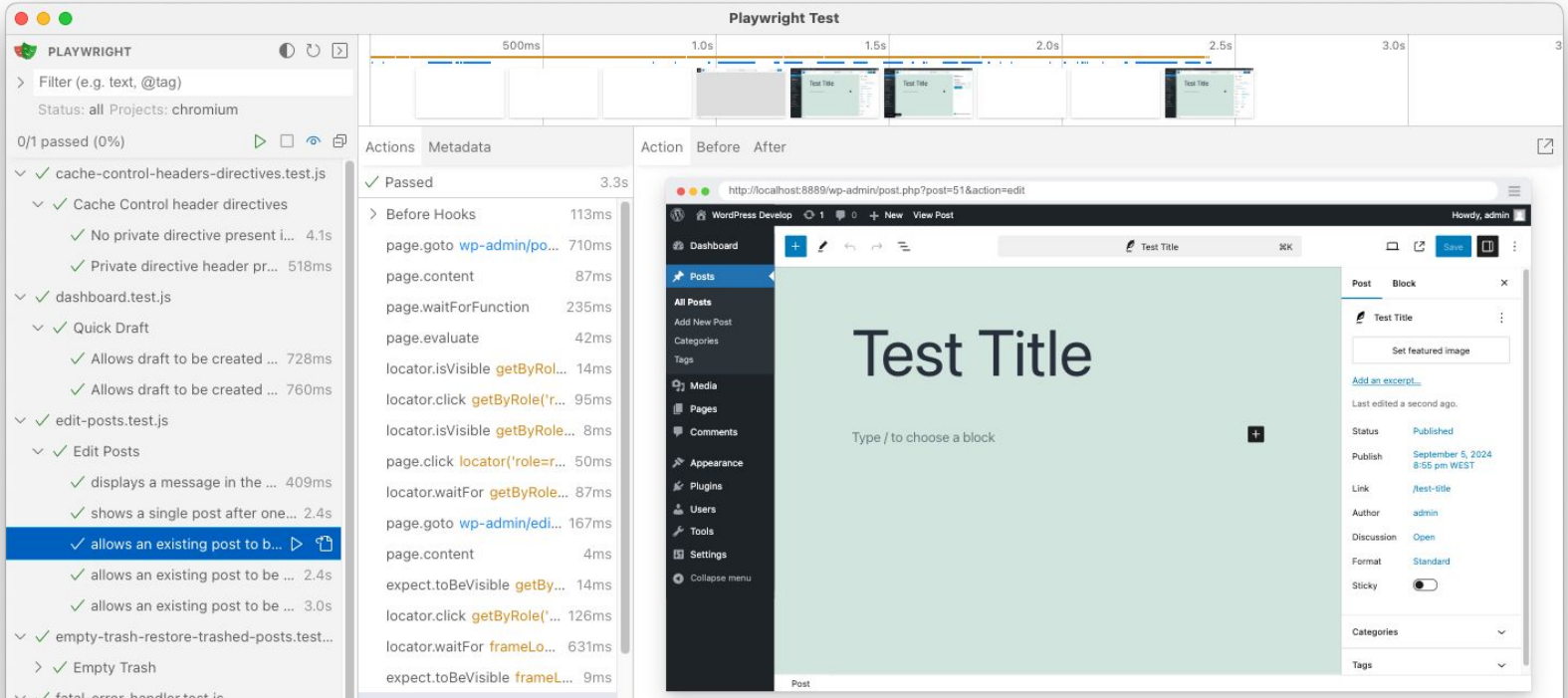
```
test.describe( 'Edit Posts', () => {
    test.beforeEach( async ( { requestUtils }) => {
        await requestUtils.deleteAllPosts();
    } );

    test( 'displays a message in the posts table when no posts are present',async ( {
        admin,
        page,
    } ) => {
        await admin.visitAdminPage( '/edit.php' );
        await expect(
            page.getByRole( 'cell', { name: 'No posts found.' } )
        ).toBeVisible();
    } );

    test( 'shows a single post after one is published with the correct title',async ( {
        admin,
        editor,
        page,
    } ) => {
        const title = 'Test Title';
```

End to End (e2e) Tests - Playwright

Watch the tests run: `npm run test:e2e -- --ui`



Recap Testing Opportunities

1. Test Releases
2. Test Tickets/Issues
3. Outreach & Usability Tests
4. Accessibility Tests
5. Automated Tests

WordPress Wants You to Contribute via Testing

Thank You!

Questions?

evanmullins.com