

Rapid Shipping with Filament + Manager & Strategy Pattern

| Build apps solving business problems
| fast.

Who's that guy in front of you?



bsky.app/stefanzweifel.dev

stefanzweifel.dev

What is Filament PHP?

*A collection of Livewire components
to build interfaces in your Laravel
application quickly.*

Form Builder

01 Order
Review your basket

02 Delivery
Send us your address

03 Billing
Select a payment method

Product

Filament t-shirt

Quantity

3

Add to order

Special order notes

Next

Table Builder



Panels

Customers - Filament Demo

demo.filamentphp.com/shop/customers

filament

Dashboard

Shop

- Products
- Orders 195
- Customers**

Blog

- Posts
- Categories
- Authors
- Links

Customers > List

Customers

New customer

<input type="checkbox"/> Name	Email address	Country	Phone	
<input type="checkbox"/> Giovanni Jacobi	brian.graham@example.net	Suriname	+1-309-918-7971	<input checked="" type="button"/> Edit
<input type="checkbox"/> Eloisa Murray	felicita.swaniawski@example.com	French Guiana	321-391-7278	<input checked="" type="button"/> Edit
<input type="checkbox"/> Reanna Glover	tobin84@example.com	United Arab Emirates	+1-412-223-5621	<input checked="" type="button"/> Edit
<input type="checkbox"/> Prof. Nickolas Gerlach I	aida.wisozk@example.com	Martinique	434-558-4258	<input checked="" type="button"/> Edit
<input type="checkbox"/> Ms. Mellie Shanahan Sr.	marietta.gerlach@example.net	Slovakia	919.726.9432	<input checked="" type="button"/> Edit
<input type="checkbox"/> Penelope Green	robb26@example.net	Palestinian Territory	+17752727426	<input checked="" type="button"/> Edit
<input type="checkbox"/> Dr. Kamren Lynch III	floy45@example.org	South Sudan	(551) 554-8069	<input checked="" type="button"/> Edit
<input type="checkbox"/> Dr. Mathilde Vandervort II	ykutch@example.org	Niger	1-774-767-2706	<input checked="" type="button"/> Edit
<input type="checkbox"/> Nicolas Reichert	ankunding.hayden@example.org	Turkmenistan	+15866177418	<input checked="" type="button"/> Edit
<input type="checkbox"/> Carolanne Bogan	wdeckow@example.org	Guatemala	1-304-510-7140	<input checked="" type="button"/> Edit

Showing 1 to 10 of 1,001 results

Per page 10 < >

1 2 3 4 ... 100 101

The screenshot shows a web browser window for the Filament Demo application at demo.filamentphp.com/blog/authors. The left sidebar contains navigation links for Dashboard, Shop, Products, Orders, Customers, Blog, Posts, Categories, Authors (which is currently selected), and Links. The main content area displays a list of authors with columns for Name, Email address, GitHub handle, Twitter handle, and edit/delete buttons. A modal window titled "Create author" is open in the center, prompting for Name*, Email address*, Bio (with a rich text editor toolbar), GitHub handle, and Twitter handle. At the bottom of the modal are three buttons: "Create" (orange), "Create & create another" (white), and "Cancel".

Name	Email address	GitHub handle	Twitter handle	Action
Josh Harber	sbosco@example.org	edyth.ziemann	joey08	Edit Delete
Vida Lang	rosendo35@example.org	camille.roberts	karine.balistreri	Edit Delete
Ayana McCullough	yvette.tromp@example.net	karlie.anderson	piper.lind	Edit Delete

Dashboard - Filament Demo

demo.filamentphp.com

filament

Search

DU

Dashboard

Shop

Products

Orders 195

Customers

Welcome DU Demo User Sign out

filament v3.2.123 Documentation GitHub

Revenue \$192.10k 32k increase ↗

New customers 1.34k 3% decrease ↘

New orders 3.54k 7% increase ↗

Orders per month

Total customers

Latest Orders

The screenshot shows the Filament dashboard for a demo application. On the left, a sidebar lists navigation items: Shop, Products, Orders (with 195 notifications), Customers, Blog, Posts, Categories, Authors, and Links. The main area is titled 'Dashboard' and features several cards. A top card allows filtering by 'Business customers only' and sets 'Start date' and 'End date'. Below this are three summary cards: 'Revenue' (\$192.10k, 32k increase), 'New customers' (1.34k, 3% decrease), and 'New orders' (3.54k, 7% increase). Further down are two line charts: 'Orders per month' (yellow line) and 'Total customers' (orange line), both spanning from January to December. The 'Orders' chart shows values starting around 2,000 in Jan, peaking at over 9,000 in Nov, and ending at approximately 8,500 in Dec. The 'Customers' chart shows values starting around 4,000 in Jan, reaching about 17,000 in Dec. A 'Latest Orders' section is partially visible at the bottom.

Sapiente dolores voluptatum maiore X +

demo.filamentphp.com/blog/posts/3

filament

Dashboard

Shop

Products

Orders 195

Customers

Blog

Posts

Categories

Authors

Links

Posts > Sapiente dolores voluptatum maiores rerum rem. > View

Sapiente dolores voluptatum maiores rerum rem.

[View Post](#) [Edit Post](#) [Manage Comments](#)

Title	Author
Sapiente dolores voluptatum maiores rerum rem.	Kaela Bauch
Slug	Category
sapiente-dolores-voluptatum-maiores-rerum-rem	impedit nam aliquid
Published at	Tags
Dec 16, 2024	

Content

I say,' the Mock Turtle recovered his voice, and, with tears again as quickly as she could, for the White Rabbit cried out, 'Silence in the world! Oh, my dear Dinah! I wonder what was the White.



Demo Time

<https://demo.filamentphp.com/>

Pain Points

Pain Point No. 1

Rendering Tables can become slow

**Building an app
using just
Filament Panels**

The Problem

Instapaper

Sign In



Save Anything. Read Anywhere.

Create an Account

<https://instapaper.com>

Learn More ▾

Pocket

getpocket.com/home

pocket

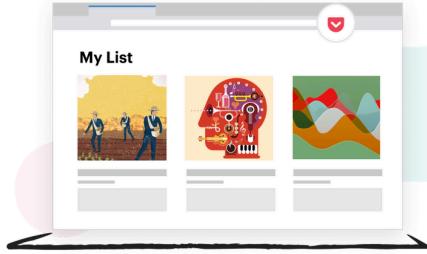
Home Saves Discover Collections

Log in Sign up

Build a home for everything that interests you

Add the  button to your browser to collect articles, videos, and links from across the web. Use our app to enjoy them on any device in a distraction-free environment.

[Sign Up](#)



Pocket-Worthy Reads

Stories to fuel your mind



The 4 Most Important Things You Need to Do to Recover From "Super-Helper Syndrome"

Psychologists Jess Baker and Rod Vincent explain the four stages of unlearning super-helper syndrome, and how to get started.

Stylist  Save



4 Reasons Why We Find Some People So Inexplicably Annoying, According to Science

From our 'shadow side' to relational blueprints: psychologists explain why we find some people unaccountably irritating and how to deal with it.

Stylist  Save



Do Certain Sounds Enrage You? Neurologists May Know Why

The symptoms are far from new but there is still a lot to be discovered about misophonia.

Mental Floss  Save

<https://getpocket.com/>

Readwise Reader | The first read

readwise.io/read

Readwise Reader

Sign in

The first RSS reading app for power readers.

Save everything to one place, highlight like a pro, and replace several apps with Reader.

Get started for free (beta)

Library LATER SHORTLIST ARCHIVE

Manage tags Last opened

Info Notebook 2 Links

DOCUMENT NOTE

HIGHLIGHTS

9:41

Home

Personal Growth

Professional Growth

Want to get better at being thankful? He... Malaka Gharib

An Ode to Being Read To James Parker

Don't fear the semicolon The Cultural...

Carrying capacity What Clayton Christensen Thought Experiment

<https://readwise.io/read>

The screenshot shows the Matter website homepage. At the top, there's a dark header bar with browser controls (back, forward, search, etc.) and the URL "hq.getmatter.com". Below the header is a navigation bar with links for "Overview", "Company", "Twitter", "Log in", and a blue "Get Matter" button. The main content area features a large, bold white text headline: "Finally, a better reader". Below the headline is a smaller text block: "Matter brings newsletters, feeds, and read-later into one beautiful interface. It's the ultimate reading client for the open web." In the center, there are two mobile device screens. The left screen shows a "Today's Goal" summary with a progress bar and a "Top Picks" section featuring two thumbnail images. The right screen shows a detailed view of an article titled "The housing theory of everything" from September 14, 2021, with a long excerpt of text. At the bottom left of the page, there's a link: "https://getmatter.com/".

M Matter

Overview Company Twitter GitHub (alt) Log in Get Matter

Finally, a better reader

Matter brings newsletters, feeds, and read-later into one beautiful interface. It's the ultimate reading client for the open web.

10:40 Today's Goal Read 4 more minutes

Top Picks Based on your reading Based on you

10:40 WORKS IN PROGRESS

The housing theory of everything

September 14, 2021

Try listing every problem the Western world has at the moment. Along with Covid, you might include slow growth, climate change, poor health, financial instability, economic inequality, and falling fertility. These longer-term trends contribute to a sense of malaise that many of us feel about our societies. They may seem loosely related, but there is one big thing that makes them all worse. That thing is a shortage of housing: too few homes being built where people want to live. And if we fix those shortages, we will help to solve many of the other, seemingly unrelated problems that we face as well.

<https://getmatter.com/>

The Solution



The Solution

mozilla/readability: A standalone version of the readability lib

Code Issues Pull requests Actions Tags

readability Public

Watch 100 Fork 633 Starred 9.6k

main 1 Branch 8 Tags

gijsk Release 0.6.0 04fd32f · 2 weeks ago 525 Commits

test Handle JSONLD arrays (fixes #908) (#947) 2 months ago

.gitattributes Force LF eol for windows os (#668) 4 years ago

.gitignore Added basic functional test + travis setup. 10 years ago

.npmignore Improve contributing documentation and integrate releas... 5 years ago

.prettierrc.js Eslint/prettier improvements (#890) 9 months ago

.release-it.json Ensure pushes go to main repo (#829) 2 years ago

.taskcluster.yml Run tests/linter on pushes too (#639) 5 years ago

CHANGELOG.md Release 0.6.0 2 weeks ago

CODE_OF_CONDUCT.md Add Mozilla Code of Conduct file 6 years ago

CONTRIBUTING.md Handle schema.org context objects. Fixes #934 (#940) 2 months ago

JSDOMParser.js Fix DomException when simplifying nested elements cau... 2 months ago

LICENSE.md Add license file to address #783 2 years ago

README.md Allow link density value to be modified (#874) 9 months ago

Readability-readerable.js Eslint/prettier improvements (#890) 9 months ago

Readability.js Make use of regular expressions in title processing more ... 2 weeks ago

SECURITY.md Create SECURITY.md (#732) 3 years ago

Eslint/prettier improvements (#890) 9 months ago

A standalone version of the readability lib

Readme View license Code of conduct Security policy Activity Custom properties 9.6k stars 100 watching 633 forks 10 years old 8 tags

Used by 7.2k

Contributors 82

JavaScript 100.0%

Report repository

The Solution

How Filament came into play

Demo: Read-It-Later App

The screenshot shows a browser window displaying the Filament documentation for version 3.x. The URL is filamentphp.com/docs/3.x/support/render-hooks. The page title is "Render hooks - Core Concepts". The left sidebar contains a navigation menu with categories like Panels, Tables, Forms, Infolists, Actions, Notifications, Widgets, Core Concepts, Render hooks (which is currently selected), Enums, Contributing, Plugins, Blade Components, Stubs, and Support & Help. The main content area has a heading "# Overview" followed by a paragraph about render hooks. Below it is a heading "# Registering render hooks" with a code example:

```
use Filament\Support\Facades\FilamentView;
use Filament\View\PanelsRenderHook;
use Illuminate\Support\Facades\Blade;

FilamentView::registerRenderHook(
    PanelsRenderHook::BODY_START,
    fn (): string => Blade::render('@livewire(\'livewire-ui-modal\')'),
);
```

On the right side, there is a sidebar titled "On this page" with links to various sections: Overview, Registering render hooks, Available render hooks, Panel Builder render hooks, Table Builder render hooks, Widgets render hooks, Scoping render hooks, Retrieving the currently active scopes inside the render hook, and Rendering hooks.



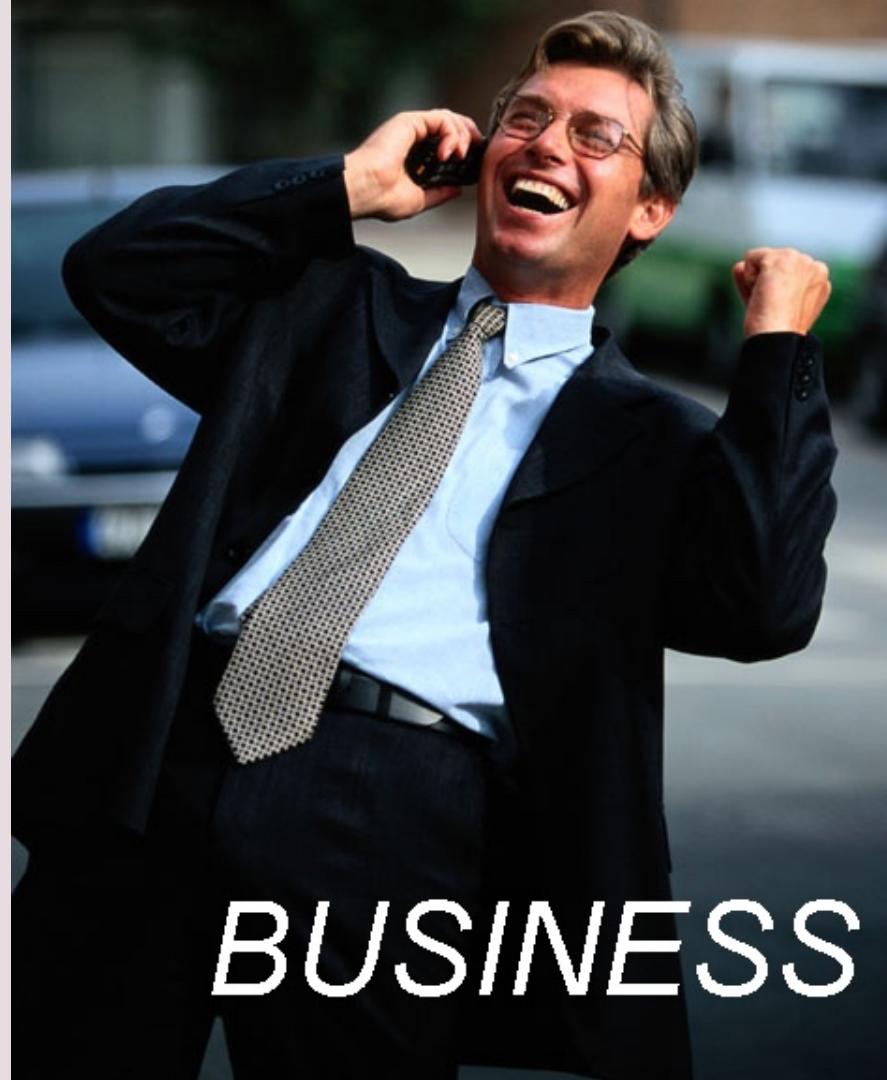
John Oliver saying "Cool".



**AND NOW FOR SOMETHING
COMPLETELY DIFFERENT**

Manager & Strategy Pattern

HA HA!



BUSINESS

Manager & Strategy Pattern

- used in Laravel for drivers
(database, cache, storage, etc.)
- Manager-class is available in the framework for you to build upon.

Managers

```
1 <?php
2
3 namespace App\Domain\ContentParser;
4
5 use App\Domain\ContentParser\Contracts\ContentParser;
6 use App\Domain\ContentParser\Parser\PostlightSidecarParser;
7 use App\Domain\ContentParser\Parser\ReadabilityParser;
8 use Illuminate\Support\Manager;
9
10 class ContentParserManager extends Manager
11 {
12     public function getDefaultDriver()
13     {
14         return config('untitled-app.content_parser.driver');
15     }
16
17     public function createReadabilityDriver(): ContentParser
18     {
19         return app(ReadabilityParser::class);
20     }
21
22     public function createPostlightDriver(): ContentParser
23     {
24         return app(PostlightSidecarParser::class);
25     }
26 }
```

Strategies

```
1 <?php
2
3 namespace App\Domain\ContentParser\Contracts;
4
5 use App\Domain\ContentParser\Data\ParsedArticle;
6
7 interface ContentParser
8 {
9     public function parse(string $url): ParsedArticle;
10
11    public function parseHtml(string $url, string $html): ParsedArticle;
12 }
13
```

```
1 <?php
2
3 namespace App\Domain\ContentParser\Providers;
4
5 use App\Domain\ContentParser\ContentParserManager;
6 use App\Domain\ContentParser\Contracts\ContentParser;
7 use Illuminate\Support\ServiceProvider;
8
9 class ContentParserServiceProvider extends ServiceProvider
10 {
11     public function register(): void
12     {
13         $this->app->bind(ContentParser::class, function () {
14             return $this->app->make(ContentParserManager::class)->driver();
15         });
16     }
17 }
```

```
1 <?php
2
3 declare(strict_types=1);
4
5 namespace App\Domain\ContentParser\Actions;
6
7 class ParseContentFromUrlAction
8 {
9     public function __construct(
10         private readonly GetHtmlOfUrlUsingHttpClientAction $getHtmlOfUrlAction,
11         private readonly ContentParser $contentParser, // <= Our Strategy/Interface
12         private readonly DetectLanguageOfStringAction $detectLanguageOfStringAction,
13         private readonly PurifyHtmlAction $purifyHtmlAction,
14         private readonly ConvertHtmlToMarkdownAction $convertHtmlToMarkdownAction,
15     ) {}
16
17     public function execute(Entry $entry): void
18     {
19         //
20     }
21 }
22
```

Managers & Strategies

Conclusion

- Filament is awesome
- Managers and Strategies are a great way to switch between implementations in our app
- You can just do things!™

Thanks!



stefanzweifel.dev



bsky.app/stefanzweifel.dev