

Intro to Laravel Livewire

Reactive web apps without writing
JavaScript

Who's that guy in front of you?



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What is Laravel Livewire?

*A full-stack framework for Laravel
that makes building dynamic
interfaces simple, without leaving
the comfort of Laravel.
- laravel-livewire.com*

A tool, that tries to bring the "dynamicness" of JavaScript frameworks like Vue.js, React or Svelte to Laravel.

First Component

```
namespace App\Http\Livewire;

use Livewire\Component;

class Counter extends Component
{
    public int $counter = 0;

    public function increment()
    {
        $this->counter++;
    }

    public function render()
    {
        return view('livewire.counter');
    }
}
```

```
iv>
  <button type="button" wire:click="increment"
    Increment
  </button>

  <h1>{{ $counter }}</h1>
div>
```

Demo Time: Counter

Showing and Hiding Elements

```
<div>
    <button type="button" wire:click="toggle">
        Toggle
    </button>

    @if ($showMessage)
        <p>Hello Laravel Meetup 🙌 </p>
    @else
        
    @endif
</div>
```

```
namespace App\Http\Livewire;

use Livewire\Component;

class ShowHideExample extends Component
{
    public bool $showMessage = false;

    public function toggle()
    {
        $this->showMessage = ! $this->showMessage;
    }

    public function render()
    {
        return view('livewire.show-hide-example');
    }
}
```

Demo Time: Show/Hide

Data Binding

```
iv>
  <input type="text" wire:model="search"
<h1>Results for {{ $search }}</h1>
div>
```

```
namespace App\Http\Livewire;

use App\Models\Mountain;
use Livewire\Component;

class DataBindingExample extends Component
{
    public string $search = '';

    public function render()
    {
        return view('livewire.data-binding-example');
    }
}
```

Demo Time: Data Binding

```
use App\Http\Livewire;  
  
\Models\Mountain;  
Livewire\Component;  
  
DataBindingExample extends Component  
  
    public string $search = '';  
  
    public function getAvailableMountainsProperty()  
  
        return Mountain::query()  
            ->when($this->search, fn ($query, $search) => $query->where('name', 'like', "%{$search}"))  
            ->get();  
  
    public function render()  
  
        return view('livewire.data-binding-example');
```

Data Binding Modifiers

```
input type="text" wire:model.debounce.500ms="search"
```

```
input type="text" wire:model.lazy="search"
```

Demo Time: Data Binding

Model Binding

```
namespace App\Http\Livewire;

use App\Models\Mountain;
use Livewire\Component;

class ModelBindingExample extends Component
{
    public ?Mountain $mountain = null;

    protected $rules = [
        'mountain.name' => 'required|string|min:6',
        'mountain.height' => 'required|string|max:500',
    ];

    public function save()
    {
        $this->validate();

        $this->mountain->save();
    }

    public function render()
    {
        return view('livewire.model-binding-example');
    }
}
```

```
orm wire:submit.prevent="save">
  <input type="text" wire:model="mountain.title">
  <input type="text" wire:model="mountain.height">
  <button type="submit">Save</button>
form>
```

```
use App\Models\Post;

class PostForm extends Component
{
    public $posts;

    protected $rules = [
        'posts.*.title' => 'required|string|min:6',
        'posts.*.content' => 'required|string|max:500',
    ];

    public function mount()
    {
        $this->posts = auth()->user()->posts;
    }

    public function save()
    {
        $this->validate();

        foreach ($this->posts as $post) {
            $post->save();
        }
    }
}
```

```
m wire:submit.prevent="save">
@foreach ($posts as $index => $post)
    <div wire:key="post-field-{{ $post->id }}">
        <input type="text" wire:model="posts('{{ $index }}.title">

        <textarea wire:model="posts('{{ $index }}.content"></texta
    </div>
@endforeach

<button type="submit">Save</button>
rm>
```

Model Binding with Relationships

```
class EditUsersPosts extends Component
{
    public User $user;

    protected $rules = [
        'user.posts.*.title'
    ];

    public function save()
    {
        $this->validate();

        $this->user->posts->each->save();
    }
}
```

```
<div>
    @foreach ($user->posts as $i => $post)
        <input type="text" wire:model="user.posts.{{ $i }}.title" />

        <span class="error">
            @error('user.posts.'.$i.'.title') {{ $message }} @enderror
        </span>
    @endforeach

    <button wire:click="save">Save</button>
</div>
```

Demo Time: Rule Editor



Events

Emit the Event

```
$emit('postAdded', ['post_id' => 123])
```

Listen to the Event

```
protected $listeners = [
    'postAdded' =>
    'incrementPostCount'
];
```

Demo Time: Notifications



Testing

```
class CounterTest extends TestCase
{
    /** @test */
    public function the_counter_counts()
    {
        Livewire::test(Counter::class)
            ->assertSet('counter', 0)
            ->call('increment')
            ->assertSet('counter', 1)
            ->call('increment')
            ->assertSet('counter', 2);
    }
}
```



MORE!!!

dd() Support

```
array[  
  "firstname",  
  "lastname",  
  "email"  
]
```

Inline Components

FULL PAGE COMPONENTS

Computed Properties

```
full_name  
$firstname $lastname
```

Validation

Email

hacker

Not a valid email address.

File Uploads

report.xls



essay.docx

screenshot.png

podcast.mp3

all-hands-recording.mp4

Query Strings

?q=Arthas&filter[price]=100

Authorization



Access denied

Loading State

 Loading data

Offline State

Your offline. Changes are saved.

Pooling

Last updated 12 seconds ago

Last updated 9 seconds ago

Last updated 6 seconds ago

Last updated 3 seconds ago

Integration with JavaScript libraries

 Alpine.js

 Laravel Echo

Livewire in a real world application

Demo Time: screeenly

What's coming in Livewire v3

**People building
cool stuff with
Livewire**



Philo Hermans



Packages

- github.com/wire-elements/modal
- github.com/wire-elements/spotlight

Filament

Filament Demo

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DU Demo User

Dashboard

Welcome, Demo User

filament Documentation • GitHub

Revenue **\$192.1k** 32k increase ↑

New customers **1340** 3% decrease ↘

New orders **3543** 7% increase ↑

Orders per month

Total customers

Filament Demo

Orders / List

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DU Demo User

[New order](#)

Number	Customer	Status	Currency	Total price	Shipping cost	Order date
OR771951	Micah Schowalter	new	USD	1162.74	262.26	2022-06-01
OR619855	Mrs. Bryana Wisozk PhD	delivered	Iraqi Dinar	1466.27	495.71	2022-06-02
OR732380	Prof. Salvador Frami	delivered	Turkish Lira	712.94	109.28	2022-06-03
OR51876	Prof. Shanelle Murphy II	delivered	Afghan Afghani	1115.56	224.51	2022-06-04
OR552436	Helmer Aufderhar	new	Hong Kong Dollar	645.18	417.78	2022-06-05
OR649923	Lila Bernhard I	cancelled	Bosnia-Herzegovina Convertible Mark	38718	100.89	2022-06-06
OR150986	Garnet Macejkovic	shipped	Japanese Yen	1770.63	384.32	2022-06-07
OR449471	Francisco Pollich	cancelled	Qatari Rial	1245.86	424.29	2022-06-08
OR279676	Cassandra Bins DVM	shipped	Angola Kwanza	1656.00	144.91	2022-06-09
OR134559	Elyse Schmidt	processing	Swiss Franc	1719.63	374.53	2022-06-10

Filament Demo

Products | Team-oriented transitional capacity / Edit

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DU Demo User

Edit Team-oriented transitional capacity

Name *

Slug *

Description

Status Visible
This product will be hidden from all sales channels.

Availability *

Associations

Brand *

Categories *

Select an option

Pricing

Drag & Drop your files or Browse

Saved successfully

Changes to the product have been saved.

[View](#) [Undo](#)

Something went wrong

An error occurred while saving the product.



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- 📸 3.screeenly.com