



# Livewiring with a Light Touch

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# Objective

- A little webdev history
- Showcase some different ways to use Livewire
  - ... and then my favorite way to use Livewire

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# Basic Forms

```
<form method="POST" action="/some-url">
  <fieldset id="mapping-1">
    <legend>Field #1</legend>

    <label for="origin-1">Origin Field</label>
    <input type="text" name="origin-1" id="mapping-1">

    <label for="dest-1">Destination Field</label>
    <input type="text" name="dest-1" id="dest-1">
  </fieldset>

  <button type="button" id="add">Add Another Field</button>
  <button type="submit">Save</button>
</form>
```

## Parameter Mapping

Value Type

URL Parameter

Middle Name

foobar2



Email

mail



+ Add another parameter

UPDATE

# Olde Schoole Way: jQuery

```
// <button type="button" id="add">Add Another Field</button>
```

```
$(document).ready(() => {  
    $('add').click(() => {  
        const numFieldSet = $('form fieldset').length;  
        $('form').append(`  
            <fieldset>  
                <legend>Field #${numFieldSet + 1}</legend>  
                . . . more tags . . .  
            `);  
    });  
});
```

# Problems

- Spreading your logic
  - Backend views
  - Front-end's DOM manipulations
- HTML in a big JS string typically costs you:
  - Syntax highlighting
  - Linting/analysis
  - Typehinting (my IDE even typehints CSS classes!)

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# Livewiring the Form

```
<form method="POST" action="/some-url">
  @foreach ($mappings as $i => $mappings)
    <fieldset id="mapping-{{ $i }}">
      <legend>Field #{{ $i }}</legend>

      <label for="origin-{{ $i }}">Origin Field</label>
      <input type="text" name="..." id="..." wire:model="mappings.{{ $i }}.origin">

      <label for="dest-{{ $loop->index }}">Destination Field</label>
      <input type="text" name="..." id="..." wire:model="mappings.{{ $i }}.dest">
    </fieldset>
  @endforeach

  <button type="button" wire:click="add">Add Another Field</button>
  <button type="submit">Save</button>
</form>
```

```
class MappingForm extends Component
{
    public array $mappings = [];

    public function render(): View
    {
        if (count($this->mappings) === 0) {
            $this->add(origin: '', dest: '');
        }

        // Our HTML from before!
        return view('mapping-form');
    }

    public function add(string $origin, string $dest): void
    {
        $this->mappings[] = [
            'origin' => $origin,
            'dest' => $dest,
        ];
    }
}
```



```
class MappingForm extends Component
{
    public ParentModel $model;
    protected $rules = [
        'mappings.*' => 'required|array',
        'mappings.origin' => 'required|string',
        'mappings.dest' => 'required|string',
    ];

    // render() & add() omitted for brevity, but they're still here!

    public function save(): Redirect
    {
        $this->validate();
        $this->model->mappings()->each->save();
        request()->session()->flash('status', 'Mappings saved, woo!');
        return redirect('/homepage');
    }
}
```

# Analysis of "Heavy Touch"



- **Consider:** this isn't the only part of the form.

## Form Configuration

Form Name	<input type="text" value="Test 123"/>
Redirect URL	<input type="text" value="https://godless-internets.org"/>
Reference	<input type="text" value="test"/>

Modifying this changes the form URL!

## Parameter Mapping

Value Type	URL Parameter	
<input type="text" value="Middle Name"/>	<input type="text" value="foobar2"/>	
<input type="text" value="Email"/>	<input type="text" value="mail"/>	
<input type="button" value="+ Add another parameter"/>		

## Metadata

Protected Form URL	 <a href="https://onbase-ssso-dev.north">https://onbase-ssso-dev.north</a>
This is the URL you should share with	
Test Link	<a href="#">Open in New Window</a>
Debug Mode	<a href="#">Test in Debug Mode</a>
Created At	2021-05-13 16:17:46
Created By	nie7321
Last Updated At	2021-06-14 21:13:54
Last Updated By	nie7321

# Nick's (typical) Approach

1. Build page
2. Add Livewire spice to the already-working page
3. ???
4. Profit!

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# Counterpoint

- Everything is situational
- Some times, you DO want Livewire to take total control of a page
- Gotta think it through 🤔

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# Thank you!

Questions?

Scan the QR code for the deck  
source code!



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