

# Boosting Web Engagement with Symfony UX

**SensioLabs**  
Créateur de  Symfony

platform.sh 



# Thanks Mathéo

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@matheo.daninos

[github.com/webmamba](https://github.com/webmamba)





Noooooooo(de.js)

SensioLabs platform.sh



# Hiding from frontend

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API's our denial



# Double stack

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Sharing is strength

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# JS is for interactions!

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# Stimulus

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# Stimulus

```
<div data-controller="hello">
  <input data-hello-target="name" type=text>

  <button data-action="click->hello#greet">
    Greet
  </button>

  <span data-hello-target="output">
  </span>
</div>
```

```
// hello_controller.js

import { Controller } from "stimulus";

export default class extends Controller {
  static targets = ["name", "output"];

  greet() {
    this.outputTarget.textContent = `Hello, ${this.nameTarget.value}!`;
  }
}
```

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# Component Architecture

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# Composition and Independence

Space Inviters Voyages Planets

Search voyages Options 30 results

**Planets**

Mercury	344,199 light years	
Mars	7,688,498 light years	
Venus	799,209 light years	
Jupiter	10,686,110 light years	
Earth	0 light years	
Kepler-62f	4 light years	
Proxima Centauri b	3,716 light years	

**Purpose**  **Planet** **Departing** 

Enim ex aspernatur mollitia et dicta voluptatum. Dicta qui ut ut non.		in 9 days
Itaque et voluptatem ducimus consectetur.		in 23 days
In fugiat nesciunt perspiciatis voluptatum sint. Eaque aut neque dolorum.		in 24 days
Aliquid qui voluptates corporis hic veritatis et.		in 1 month
Ea alias possimus distinctio id ad error.		in 1 month
Dicta deserunt voluptas saepe laboriosam est. Sunt beatae architecto sunt.		in 2 months
Consequatur rem saepe aspernatur molestiae non. Qui impedit unde sunt.		in 2 months
Velit a saepe non laboriosam. Earum optio repellat illum amet suscipit aperiam.		in 2 months
Aut rerum doloremque et odio voluptas.		in 3 months

# Props and state

The screenshot shows a dark-themed web application interface. At the top left is a logo of a blue alien head with a white space helmet. To its right are navigation links: "Space Inviters", "Voyages", and "Planets". On the far right is a search bar with a magnifying glass icon and the placeholder text "Search Cmd+K".

The main content area has a dark blue header with the word "Voyage" in white. Below it is a table with three rows of data:

ID	30
PURPOSE	Fugit asperiores nisi sed repudiandae laborum. Et odit aperiam qui molestias.
LEAVEAT	2024-10-24 22:51:07

At the bottom of this section are three buttons: "Back to list" (blue), "Edit" (green), and "Delete" (red).

At the very bottom of the page, there is a footer bar with the text "With ❤ from Symfonycasts." followed by the SensioLabs logo and the platform.sh logo.

# Anonymous Component

```
{# components/Button.html.twig #}

{% props color %}

<button class="btn btn-{{ color }}">
    {% block content %}
    {% endblock %}
</button>
```

```
{# index.html.twig #-}

{% block content %}
...

<twig:Button color="primary">
    Back to list
</twig:Button>
<twig:Button color="green">
    Edit
</twig:Button>
```

# Logical Component

The screenshot shows a dark-themed web application interface. On the left, there's a sidebar titled "Planets" listing various celestial bodies with their distance in light years and small icons:

- Mercury: 344,199 light years
- Mars: 7,688,498 light years
- Venus: 799,209 light years
- Jupiter: 10,686,110 light years
- Earth: 0 light years
- Kepler-62f: 4 light years
- Proxima Centauri b: 3,716 light years

At the top right, there's a search bar labeled "Search voyages Cmd+K". The main content area is titled "VoyageList" and contains a table with columns "Purpose", "Planet", and "Departing". The table has 30 results and includes the following rows:

Purpose	Planet	Departing
Enim ex aspernatur mollitia et dicta voluptatum. Dicta qui ut ut non.		in 9 days
Itaque et voluptatem ducimus consectetur.		in 23 days
In fugiat nesciunt perspiciatis voluptatum sint. Eaque aut neque dolorum.		in 24 days
Aliquid qui voluptates corporis hic veritatis et.		in 1 month
Ea alias possimus distinctio id ad error.		in 1 month
Dicta deserunt voluptas saepe laboriosam est. Sunt beatae architecto sunt.		in 2 months
Consequatur rem saepe aspernatur molestiae non. Qui impedit unde sunt.		in 2 months
Velit a saepe non laboriosam. Earum optio repellat illum amet suscipit aperiam.		in 2 months
Aut rerum doloremque et odio voluptas.		in 3 months

# Logical Component

```
// src/Twig/Components/VoyageList.php

use Symfony\UX\TwigComponent\Attribute\AsTwigComponent

#[AsTwigComponent]
class VoyageList
{
    public function __construct(
        private readonly VoyageRepository $voyageRepository
    ) {}

    public function getVoyages()
    {
        return $this->voyageRepository->findAll();
    }
}
```

# Logical Component

```
{# components/VoyageList.html.twig #}  
...  
|  |  |  |  |
| --- | --- | --- | --- |
| {% for voyage in this.getVoyages %} <twig:VoyageListRow voyage=voyage /> | {% endfor %} | | |
| </tbody> |

```

```
{# pages/dashboard.html.twig #}  
...  
{% block content %} <twig:VoyageList/> | {% endblock %} | |
```

# Live Component

```
#[AsLiveComponent]
class VoyageList
{
    use DefaultActionTrait;

#[LiveProp]
public int $pageIndex = 0;

public function __construct(
    private readonly VoyageListRepository $voyageListRepository
) {}

#[LiveAction]
public function next(): void
{
    $this->pageIndex++;
}

public function getVoyageList(): array
{
    return $this->voyageListRepository->paginate($this->pageIndex)
}
}
```

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    public function next(): void
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    public function getVoyageList(): array
    {
        return $this->voyageListRepository->paginate($this->pageIndex)
    }
}
```

# Live Component

---



```
<div {{ attributes }}>
    {%
        for voyage in this.getVoyages %
            <twig:VoyageListRow voyage={{ voyage }}/>
        {%
            endfor %

<button data-action="live#action" data-action-name="next">
    Next
</button>
</div>
```



```
{# components/TrainingList.html.twig #}
```

```
<div {{ attributes }}>
    {% for training in trainings %}
        <twig:Card:TrainingCard training={{ training }}/>
    {% endfor %}
    <button
        data-action="live#action"
        data-action-name="resetMax"
    >
        Voir plus
    </button>
</div>
```



```
<div
    data-controller="live"
    data-live-name-value="TrainingList"
    data-live-url-value="/_components/TrainingList"
    data-live-id="live-37010944-0"
    >
    ...
</div>
```

# Live Component



# Morphism

---

A vibrant underwater illustration featuring a large blue whale swimming through a coral reef. Various colorful fish are scattered throughout the scene. Four white rectangular boxes are overlaid on the image, each containing a piece of software component names:

- AutoComplete
- React
- Chartjs
- TogglePassword

The boxes are positioned at the top left, top right, bottom left, and bottom center of the image.

AutoComplete

React

Chartjs

TogglePassword

DropZone

ux.symfony.com

stimulus-components.com

SensioLabs platform.sh





# React / Stimulus

---

It's all done by sending HTML over the wire.  
And for those instances when that's not  
enough, you can reach for the other side of  
[Hotwire](#), and finish the job with [Stimulus](#)



# Turbo

Turbo Drive, Turbo Frames, Turbo Streams,  
it's all done by sending HTML over the wire.  
And for those instances when that's not  
enough, you can finish the job with [Stimulus](#).



# The build

---



# Unlearn process

---



Do you still need  
Sass ?

---



# Do you need TypeScript ?

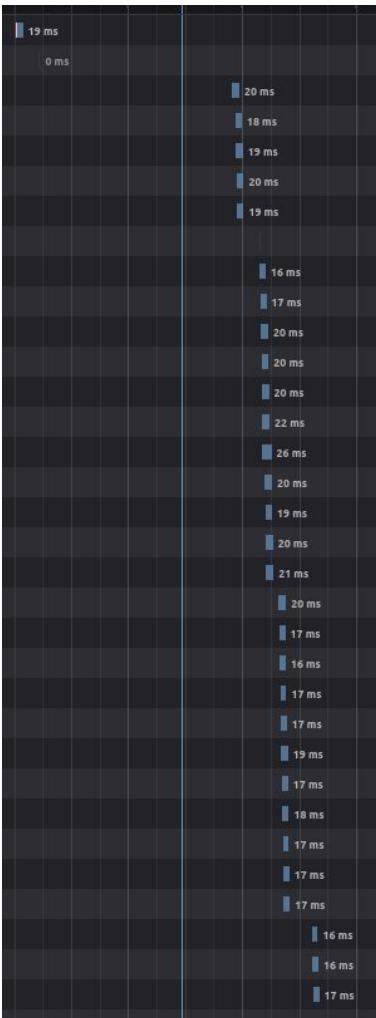


Do you still need  
compilation ?

---

# Do you still need compilation ?

---





96

95

100

100

## Performance

Values are estimated and may vary. The [performance score is calculated directly from these metrics. See calculator.](#)

▲ 0–49      ■ 50–89      ● 90–100



### METRICS

[Expand view](#)

● First Contentful Paint

0.4 s

● Largest Contentful Paint

0.4 s

● Total Blocking Time

0 ms

■ Cumulative Layout Shift

0.118

● Speed Index

0.6 s

# Do you still need compilation ?



# Can we still use modern js ?

---



# AssetMapper

```
$ php bin/console importmap:require bootstrap
```



```
<script type="importmap">{
  "imports": {
    "app": "/assets/app-4e986c1a2318dd050b1d47db8d856278.js",
    "/assets/duck.js": "/assets/duck-1b7a64b3b3d31219c262cf72521a5267.js",
    "bootstrap": "https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/+esm"
  }
}</script>
```

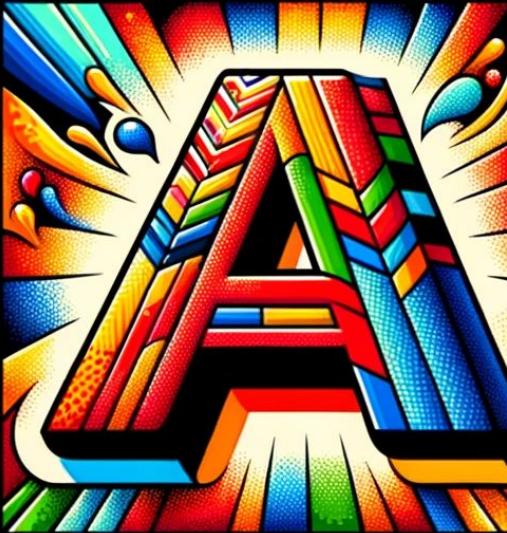


```
import Alert from "bootstrap";

Alert.display("hello !");
```

# L.A.S.T stack

---





Enjoy !

[ux.symfony.com](http://ux.symfony.com)  
[symfonycasts.com](http://symfonycasts.com)