

Fragments, React and Widgets

pablomolina.me/r/liferay-fragments

Who am I?

- Spider-Man fan
- Joined Liferay in 2017
- Working mostly on *Modern Site Building*
- Chachi FrontEnd Developer™
 - 🧑‍🔧 No Java
 - 🙄 No ~~Portlets~~ Widgets
 - 💔 No FreeMarker

Please do interrupt me



“ Fragments are simple, are just some pieces of HTML, CSS and JavaScript that can be added to a page and easily managed by FrontEnd developers...”

“ ... But now they have more capabilities and are more complex, lets see the differences.”

Me - Fragments, React and Widgets: liferay.dev/blogs/-/blogs/fragments-react-and-widgets

Summary

- 0. Widgets
- 1. First Fragment
- 2. Content Pages vs Widget Pages
- 3. Extending Fragments
- 4. Using React
- 5. *Next steps*

0. Widgets

- Java *components*
- Can do *virtually* everything
- Can be built using FrontEnd tools

Carlos Lancha and Rodolfo Miranda - The Frontend Developer's Guide to the Galaxy: Integrating a Real-world App in DXP: youtu.be/WMEXAGMP9Ls

1. First Fragment

- Start from scratch
- Use only HTML, CSS, and JavaScript
- Works inside a Content Page

```
<button type="button">  
  Click me  
</button>
```

```
fragmentElement.addEventListener(  
  "click",  
  () => alert("Hey!")  
);
```

2. Content Pages vs Widget Pages

With Content Pages:

- Layout is restricted
- No templates are provided
- Widgets can be used too (7.2+)

3. Extending Fragments

Widgets inside Fragments

`<lfr-editable />`

FreeMarker

Toolkit

Configuration

Compositions

`data-lfr-editable`

Common Styles

FragmentRenderer

SCSS

React

...

4. Using React

- Pros:
 - Reusing React components
 - More complex logic
- Cons:
 - *Heavier* Fragments
 - No editables
 - No HTML

5. Next steps

- Better Common Styles
- More no-code features
- **You tell us** 🤍

Links

- Blog post (Spanish): liferay.dev/blogs/-/blogs/fragmentos-react-y-widgets
- Blog post (English): liferay.dev/blogs/-/blogs/fragments-react-and-widgets
- Documentation reference: learn.liferay.com/dxp/latest/en/site-building/developer-guide/reference/fragments.html
- Fragment development documentation: learn.liferay.com/dxp/latest/en/site-building/developer-guide/developing_page_fragments.html
- FreeMarker CheatSheet: pablomolina.me/tesera/entry/freemarker

Questions?



Thank you!

