



Julia Molano and Bárbara Cabrera

Customizing utility pages: addressing the business need of a seamless user experience









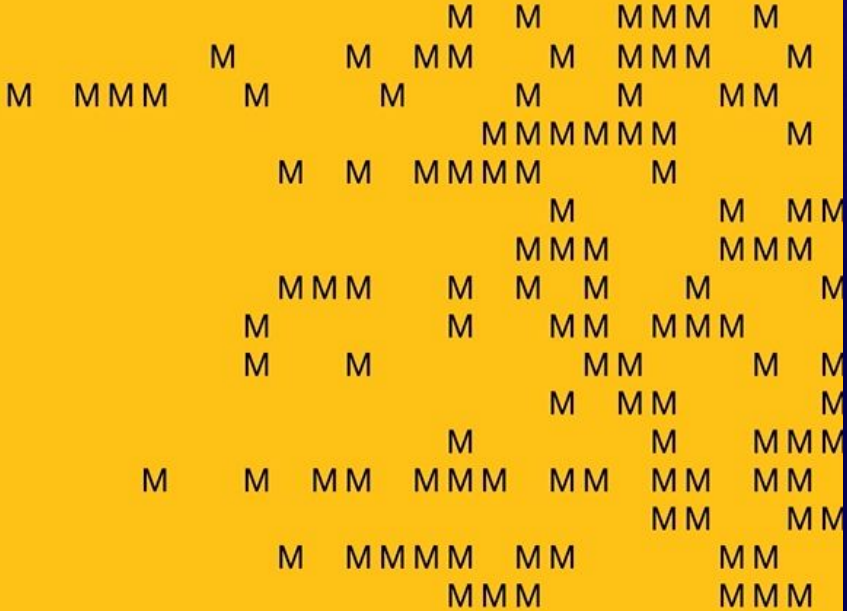




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Client Area

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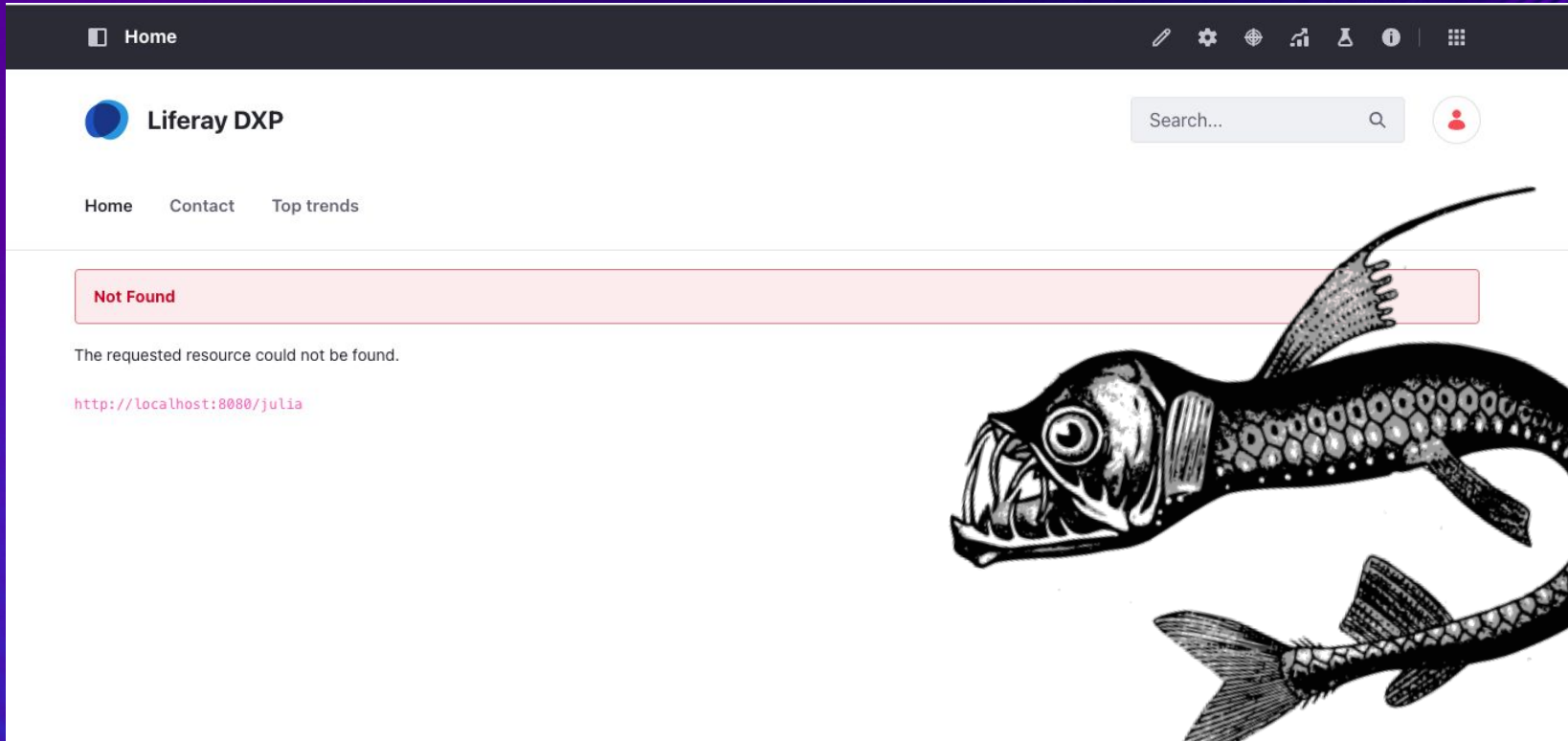


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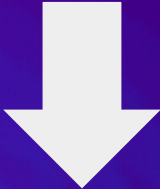
[Request a Password Reset](#)



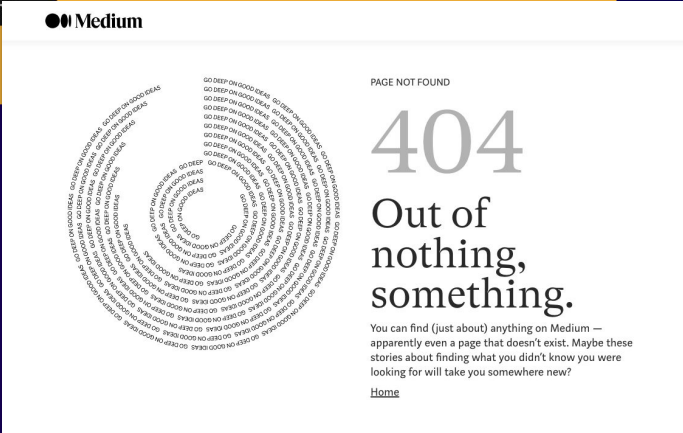


A seamless user experience

- Unified look and feel
- Consistent navigation
- Shared components



TRUST
ENGAGEMENT



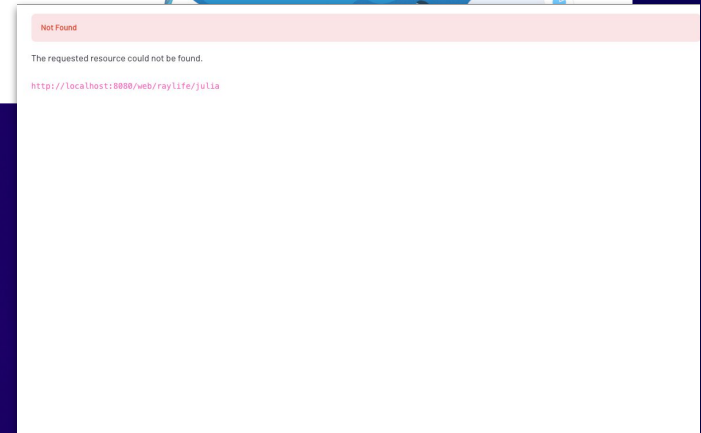
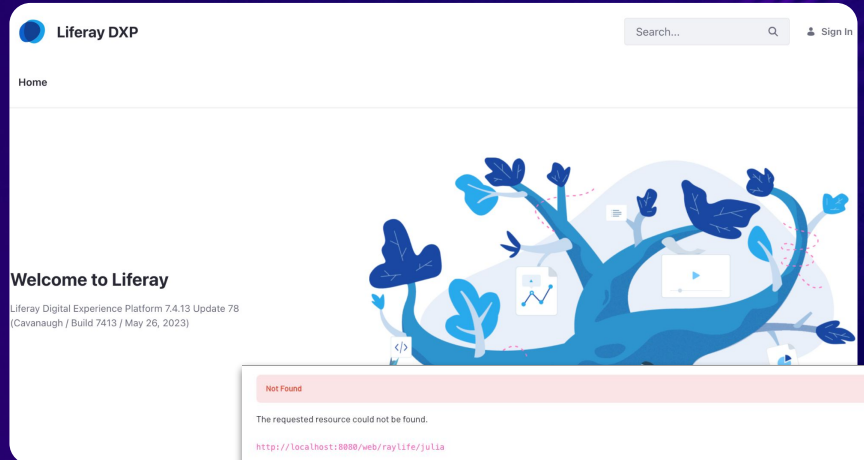
A seamless user experience

- Inconsistent look and feel
- Broken navigation
- Impact on SEO



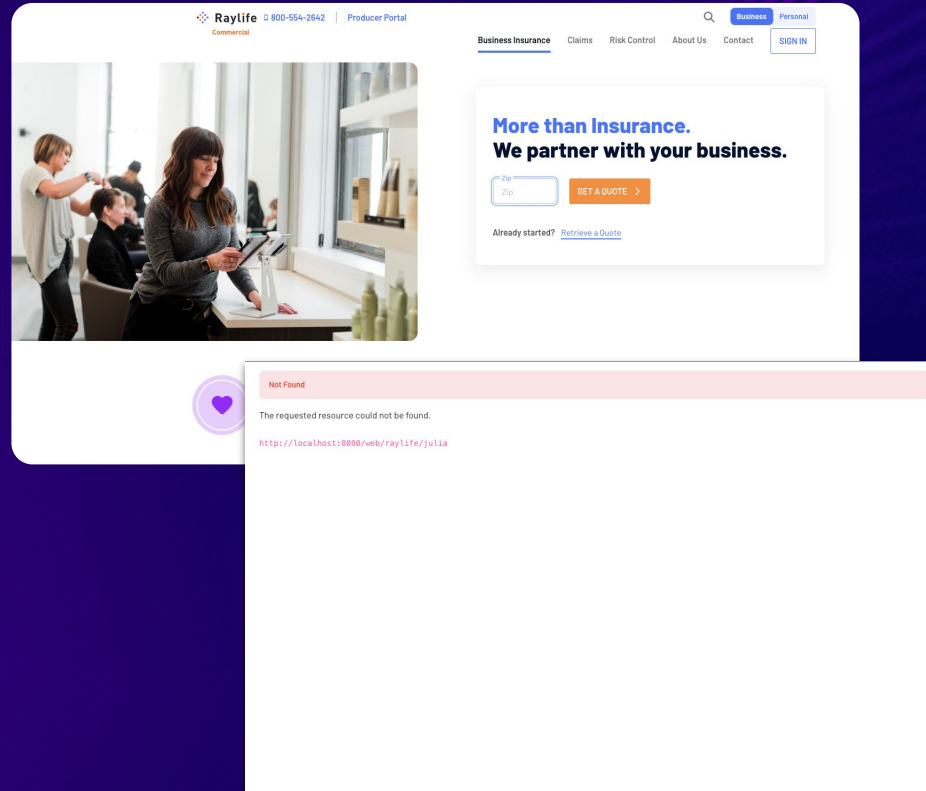
UNEASINESS

BOUNCE



A seamless user experience

- Inconsistent look and feel
- Broken navigation
- Impact on SEO



What are we presenting today?

We are presenting a new and easy way of customizing your utility pages in Liferay, just as you create and design your content pages.

What are utility pages?

“Utility pages” are pages devoted to operational tasks and actions that the user needs to do in order to use the site: sign up, sign in, subscribe, terms of use, etc.

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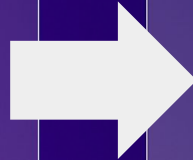
- Sign up page
- Sign in page
- Terms of use
- Error pages
- Search

How are utility pages in Liferay?

- Old code
- Inflexible business logic

How are utility pages in Liferay?

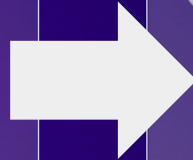
- Old code
- Inflexible business logic



Time & effort
to customize

How are utility pages in Liferay?

- Old code
- Inflexible business logic



What we've done / What's to come

Mechanism for replacing other pages in the portal


Ready to use utility page for 404 error

- Made up of fragments
- Easily replaceable
- Fully editable

Liferay DXP Pages

Static Pages Utility Pages

Order Search for




404
404 Error
PROVIDED BY LIFERAY

Home
Page Tree
Design
Site Builder
Pages
Navigation Menus
Collections
Content & Data
Categorization
Recycle Bin
People
Configuration
Publishing

Pages

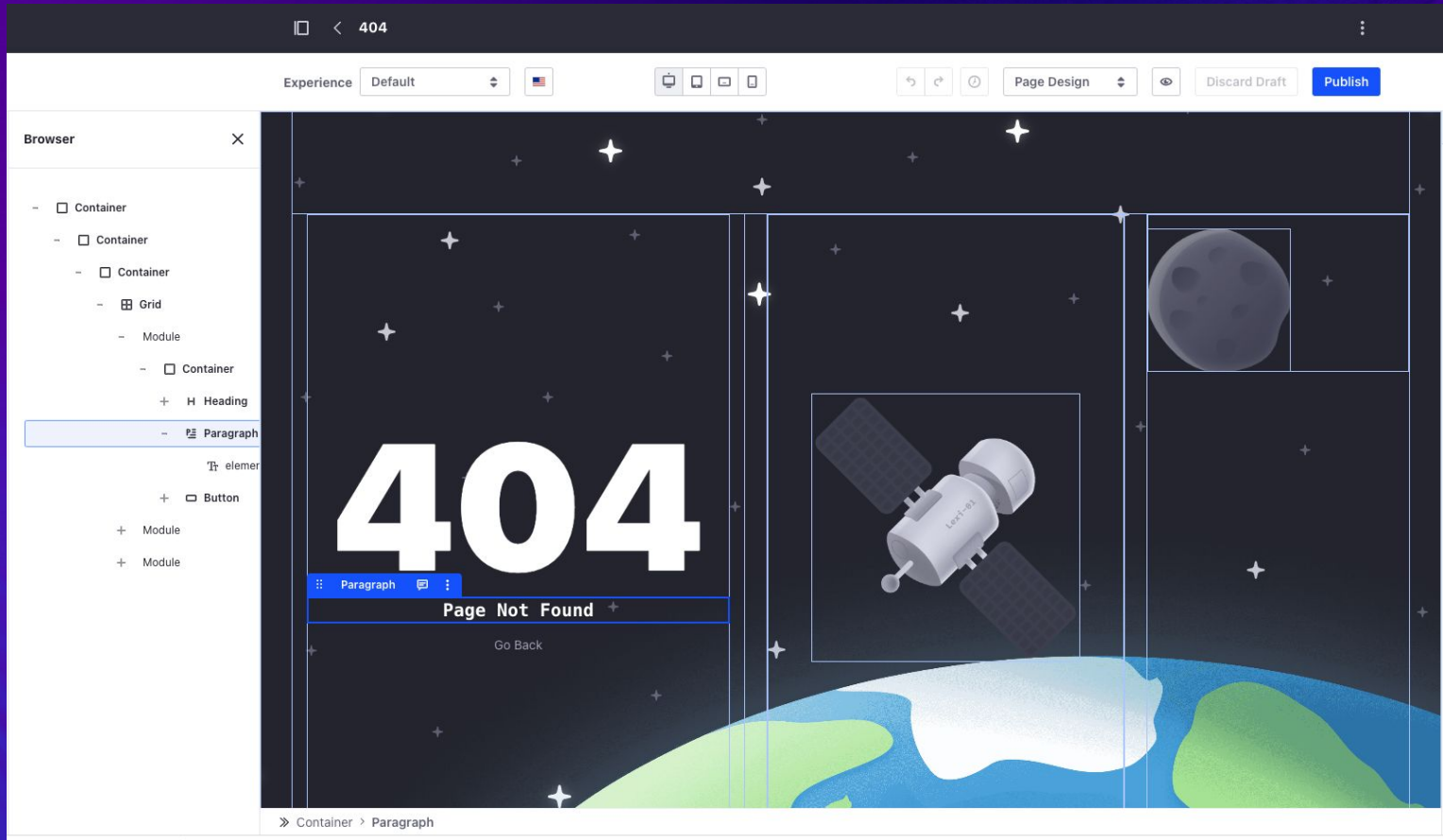
Static Pages Utility Pages

Order Search for



404
404 Error
PROVIDED BY LIFERAY

- Edit
- Preview
- Unmark as Default
- Rename
- Change Thumbnail
- Remove Thumbnail
- Export
- Make a Copy
- Permissions
- Delete



Coming soon

- Error 500 page
- Login page
- Checkout page

Demo Time!

Barbara Cabrera
~~SHELDON COOPER~~
© presents ©
~~FUN WITH FLAGS~~

Utility Pages

 Liferay® **DEVCON**

**Where we can find the
Utility Pages and how they
work**

 Liferay® **DEVCON**

Utility Pages for Terms of Use

TermsOfUseStrutsAction.java

```
1 @Component(
2   property = "path=/portal/terms_of_use",
3   service = StrutsAction.class
4 )
5 public class TermsOfUseStrutsAction implements StrutsAction {
6
7   @Override
8   public String execute(
9     HttpServletRequest httpServletRequest,
10    HttpServletResponse httpServletResponse)
11     throws Exception {
12
13     /** ... */
14
15     RequestDispatcher requestDispatcher =
16       _servletContext.getRequestDispatcher("/terms_of_use.jsp");
17
18     UnsyncStringWriter unsyncStringWriter = new UnsyncStringWriter();
19
20     PipingServletResponse pipingServletResponse = new PipingServletResponse(
21       httpServletResponse, unsyncStringWriter);
22
23     requestDispatcher.include(httpServletRequest, pipingServletResponse);
24
25     /** ... */
26
```


terms_of_use.jsp

```
1 <%@ include file="/init.jsp" %>
2
3 <liferay-layout:render-layout-utility-page-entry
4     type="<%= LayoutUtilityPageEntryConstants.TYPE_TERMS_OF_USE %>"
5 >
6
7     <%
8         String referer = ParamUtil.getString(request, WebKeys.REFERER,
9         PortalUtil.getCurrentURL(request));
10
11         if (referer.equals(themeDisplay.getPathMain() + "/portal/update_terms_of_use")) {
12             referer = themeDisplay.getPathMain() + "?doAsUserId=" + themeDisplay.getDoAsUserId();
13         }
14
15         TermsOfUseContentProvider termsOfUseContentProvider =
16         (TermsOfUseContentProvider)request.getAttribute(TermsOfUseContentProvider.class.getName());
17     %>
18
19     /** ... */
20 </liferay-layout:render-layout-utility-page-entry>
```

RenderLayoutUtilityPageEntryTag.java

```
1 public class RenderLayoutUtilityPageEntryTag extends IncludeTag {
2
3     @Override
4     public int doStartTag() throws JspException {
5
6         HttpServletRequest httpRequest = getRequest();
7
8         ThemeDisplay themeDisplay =
9             (ThemeDisplay)httpServletRequest.getAttribute(
10                 WebKeys.THEME_DISPLAY);
11
12         LayoutUtilityPageEntry layoutUtilityPageEntry =
13             LayoutUtilityPageEntryLocalServiceUtil.
14                 fetchDefaultLayoutUtilityPageEntry(
15                     themeDisplay.getScopeGroupId(), getType());
16
17         if (layoutUtilityPageEntry != null) {
18             return SKIP_BODY;
19         }
20
21         return EVAL_BODY_INCLUDE;
22     }
23
24     /** ...*/
25 }
```

KEY TAKEAWAYS

1. Secondary navigation MATTERS
2. Liferay is making it easier for you to customize utility pages so they match the look and feel and general experience of your site
3. Out-of-the-box 404 error page, and more to come
4. The new mechanism for replacing utility pages in the portal is already available, but you will need to adapt the existing business logic in the case it doesn't fit your needs



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