THEMING APPLICATIONS

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STYLING YOUR APPLICATIONS

- Liferay themes have the ability to provide additional styles to applications.
- We've seen how developers can add *application decorators* to provide selectable application wrapper styles.
- Through the `portlet.ftl` developers can also change markup for the containers that hold applications.

PORTLET.FTL

- The default `portlet.ftl` can be found in the `build/templates` folder of your theme.
- To modify the HTML markup, developers can copy this into the `src/templates` folder of their custom theme.

portlet.ftl

```
<#assign
    portlet_display = portletDisplay

    portlet_back_url = htmlUtil.escapeHREF(portlet_display.getURLBack())
    portlet_content_css_class = "portlet-content"
    portlet_decorator_name = portlet_display.getPortletDecoratorId()
    portlet_display_name = htmlUtil.escape(portlet_display.getPortletDisplayName())
    portlet_display_root_portlet_id = htmlUtil.escapeAttribute(portlet_display.
    getRootPortletId())
    portlet_id = htmlUtil.escapeAttribute(portlet_display.getId())
    portlet_title = htmlUtil.escape(portlet_display.getTitle())
/>

<section class="portlet" id="portlet_${portlet_id}">
    <#if portlet_display.isPortletDecorate() && !portlet_display.isStateMax() &&
    portlet_display.getPortletConfigurationIconMenu()?? && portlet_display.
    getPortletToolbar()??>
        <#assign
            portlet_configuration_icon_menu = portlet_display.
            getPortletConfigurationIconMenu()
            portlet_toolbar = portlet_display.getPortletToolbar()

            portlet_configuration_icons = portlet_configuration_icon_menu.
            getPortletConfigurationIcons(portlet_display_root_portlet_id,
            renderRequest, renderResponse)

            portlet_title_menus = portlet_toolbar.getPortletTitleMenus(
            portlet_display_root_portlet_id, renderRequest, renderResponse)
        />
```

UNDERSTANDING THE PORTLET.FTL

- `portletDisplay`: is fetched from the `themeDisplay` object and contains information about the application
- `portlet_back_url`: URL to return to previous page with application `WindowState` is maximized
- `portlet_display_name`: Custom application name if set
- `portlet_id`: The id of applcation (not the same as the application namespace)
- `portlet_title`: Application name set in Portlet java class (usually from a `*Keys.java` class)

PORTLET.FTL PORTLET HEADER

- This conditional checks to see the application header should be displayed.
- It checks to see if there is a application toolbar for the application (Configuration, Permissions, Look and Feel).

```
<#if portlet_display.isPortletDecorate() && !portlet_display.isStateMax() &&
 portlet_display.getPortletConfigurationIconMenu()?? && portlet_display.
 getPortletToolbar()??>
```

PORTLET.FTL PORTLET TITLE

- The application title menu is used in applications that allow for adding resources (Web Content Display, Media Gallery, Documents and Media).
- It's used to build a menu of items for adding resources.

```
portlet_title_menus = portlet_toolbar.getPortletTitleMenus(
    portlet_display_root_portlet_id, renderRequest, renderResponse)
```

PORTLET.FTL PORTLET CONFIGURATION

- This contains the information for the configuration menu (Configuration, Permissions, Look and Feel).
- The rest of the files contain the HTML markup for the application topper and the application content.
- It is possible to add CSS classes, change markup, or add custom information.
- For styling the look and feel of all applications, use the CSS classes found in this file in conjunction with the application decorators to achieve the desired look and feel.

```
portlet_configuration_icons =

portlet_configuration_icon_menu.getPortletConfigurationIcons(
  portlet_display_root_portlet_id, renderRequest, renderResponse)
```

Notes: