



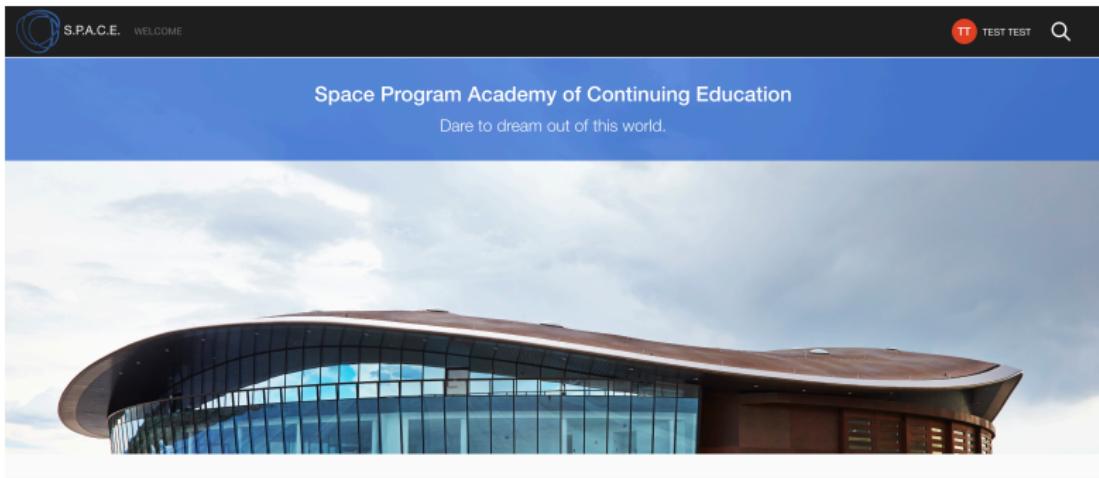
CREATING CONTENT TEMPLATES

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EXAMINING WEB CONTENT TEMPLATES

- Content creators are typically responsible for Structures, while front-end developers are responsible for Templates.
- Let's first examine the Template included in our Theme.
- Afterwards, we will create some new Templates together.



EXERCISE: CATCHING UP

- If you don't currently have the completed Theme installed:
 1. **Copy** the provided space-program-theme.war from the folder exercises/front-end-developer-exercises/06-web-content-templates.
 2. **Paste** the file in Liferay's deploy/ folder.
 3. **Open** the Menu.
 4. **Go to** Site Administration→Navigation.
 5. **Click** on the Options menu→Configure for Public Pages.
 6. **Click** Change Current Theme.
 7. **Click** on the Space Program theme to select it.
 8. **Click** Save.
 9. **Close** the dialog.

STYLING THE PYGON STRUCTURE

- Embedded in our theme is the *Polygon* Structure and Template.
- The Template is styling the following fields as defined by the Structure:
 - **Cover Image:** A *documents and media* field to select an image
 - **Title:** A *text* field for the image title
 - **Sub Title:** A *textarea* field adding subtitle information
 - **Content:** A *ddm-text-html*, otherwise known as the *Alloy Editor*, for providing additional content

Fields

Cover image

Title

Sub Title

Content

THE PORYGON TEMPLATE

- ▶ Let's look at a couple key points in the Template.
- ▶ The variables are assigned at the top of the file:

```
<#assign
author = request.attributes.author! ""
displayMode = getterUtil.getInteger(request.attributes.displayMode!0,0)
viewURL = request.attributes.viewURL! ""
/>
```

- ▶ We also see the Template controlling different display modes:

```
<if displayMode == 1 >
...
<elseif displayMode == 2 >
...
<elseif displayMode == 3 >
...
<else>
...
</if>
```

STYLING STRUCTURE FIELDS

- The Structure fields can be added to the template with the following syntax:
`$ {[field-name].getData()}`
- The Structure fields being styled in the *Polygon Template* are as follows:
 - coverImage.getData()
 - title.getData()
 - subTitle.getData()
 - content.getData()

PORYGON TEMPLATED CONTENT ON DISPLAY

- Once everything is saved and content added, we see something like this.



When I orbited the Earth in a spaceship

I saw for the first time how beautiful our planet is

Mankind, let us preserve and increase this beauty, and not destroy it!

As I stand out here in the wonders of the unknown at Hadley, I sort of realize there's a fundamental truth to our nature, Man must explore . . . and this is exploration at its greatest.

I believe every human has a finite number of heartbeats. I don't intend to waste any of mine

STYLING FOR THE LANDING PAGE

- The S.P.A.C.E. content team has created some Structures and content for the website landing page.
- We are responsible for providing *Web Content Templates* that meet the landing page business requirements.
- Design requirements are as follows:
 - **Banner:** The banner will include an image with text overlay.
 - **News Feed:** The news feed will contain a self-updating feed of news for S.P.A.C.E.
 - **Mid-Page Content:** This will be a 3-column content article with images and text overlay.
 - **Events Feed:** The news feed will contain a self-updating feed of upcoming events for S.P.A.C.E.
 - **Footer:** The footer content will contain an image, text overlay, a logo, and action button to apply.
- First, let's walk through creating a banner template for the S.P.A.C.E. Site.

EXERCISE: PREPARING FOR TEMPLATE CREATION

- First, let's import the content from the content team.
1. **Open** the *Menu*.
 2. **Go to** *Content→Web Content* in the Site Administration panel.
 - Make sure you're logged in and the S.P.A.C.E. Site is selected.
 3. **Open** the *Options* menu.
 4. **Choose** *Export/Import*.

EXERCISE: IMPORTING CONTENT

1. **Click** on the *Import* tab.
 2. **Choose** the space-content-7.0.lar from
exercises/front-end-developer-exercises/ 06-web-content-templates.
 3. **Click** *Continue→Import*.
 4. **Close** the pop-up.
- ✓ Now we are ready to create our templates!

EXERCISE: VIEWING THE DEFAULT

1. **Click** *Go to Site* in the Site Administration panel in the *Menu*.
2. **Open** the Options menu for the *Hello World* application.
3. **Click** *Remove*.
4. **Click** *OK* on the browser pop-up.
5. **Open** the *Add* menu at the top right.
6. **Open** the *Content* section.
7. **Drop** the *S.P.A.C.E. Banner*, *About S.P.A.C.E.*, and *S.P.A.C.E. Footer* articles on the page.



DEFAULT STRUCTURE AND TEMPLATE

- Each article is displaying the default template that simply includes the structured content.
- To accomplish the business requirements, we'll need more control over how the Structure is presented.
- Let's start with modifying the banner Template.

EXERCISE: MODIFYING THE BANNER TEMPLATE

➤ Let's provide a template that takes our text and places it over the image.

1. **Open** the *Menu*.
 2. **Go to Content**→*Web Content* in the Site Administration Panel.
 3. **Open** the *Options* menu.
 4. **Choose** *Templates*.
 5. **Click** on the *1 Column Header Template* and scroll down to the editor.
 6. **Click** *Choose File* under the editor.
 7. **Choose** *1-column-banner.ftl* found in
exercises/front-end-developer-exercises/
06-web-content-templates/template-src.
 8. **Click** *Save*.
- ✓ Now we have our responsive banner!

THE BANNER FTL IMAGE

- Our banner is a simple FreeMarker template.
- We are simply providing a <div> with the *figure* class that includes our image and text overlay.
- Our image is using the default editor option for an image field, but we have added *crop-img-top* class with a specified height.
- By default, the editor adds the *img-responsive* class to our images to ensure responsive design.
- For more on Lexicon CSS figure design, you can go here:
<https://liferay.github.io/clay/content/figures/>

```
<div class="crop-img-top" style="height: 500px">
  
</div>
```

THE BANNER FTL TEXT

- Our text has been centered at the top of the image using the `figcaption` and `center` classes.
- By including the `flex` classes, we've also ensured our text is responsive.
- Inside the `<div>` structure, we have our title and heading using our `getData()` methods.

```
<div class="figcaption-top figcaption-info">
    <div class="flex-container" style="height: 100%">
        <div class="flex-item-center text-center" style="width: 100%">
            <h1>${title.getData()}</h1>
            <p class="lead">${heading1.getData()}</p>
        </div>
    </div>
</div>
```

S.P.A.C.E. BANNER COMPLETE

Space Program Academy of Continuing Education

Dare to dream out of this world.



EXERCISE: MODIFYING THE ABOUT S.P.A.C.E. TEMPLATE

- Next, let's modify our *3 Columns with Images* template to make sure the *About S.P.A.C.E.* article displays as expected.
1. **Click** on the *3 Columns with Images Template* and scroll down to the editor.
 2. **Click** *Choose File* under the editor.
 3. **Choose** the *3-column-with-images.ftl* found in *exercises/front-end-developer-exercises/06-web-content-templates/template-src*.
 4. **Click** *Save*.
- ✓ Now our mid-page content will display in 3 columns with text overlaying images.

THE 3 COLUMN WITH IMAGES FTL STRUCTURE

- The *3 Column with Images* Template is relatively similar to the Banner Template.
- We include the class `row` so we can take advantage of Bootstrap columns for responsive design.
- Each item in the row contains the following classes for mobile, tablet, and desktop breakpoints:

```
<li class="col-lg-4 col-md-4 col-xs-6">
```

THE 3 COLUMN WITH IMAGES COLUMNS

- Each column in this Template is the same, referencing different fields from the Web Content Structure.
- We're using the `figure` classes for our rounded styling.
- The text overlay is being accomplished using the `figcaption` class.

```
<div class="figure figure-rounded aspect-ratio aspect-ratio-3-to-2">
    <#if image1.getData()?? && image1.getData() != "">
        
        <div class="figcaption-full text-center">
            <div class="flex-container" style="height: 100%">
                <div clas="flex-item-center">
                    <h2>${heading1.getData()}</h2>
                    <p>${content1.getData()}</p>
                </div>
            </div>
        </div>
    </#if>
</div>
```

ABOUT S.P.A.C.E. COMPLETE

Dream even bigger

Think your dreams are too lofty? We'll raise you twenty and bet that classes with our award-winning faculty will illuminate possibilities you haven't even considered. The sky is no longer the limit.

Find your future

S.P.A.C.E. is a vocation-minded school for vocation-minded students. We believe in helping you reach new heights, unlock your potential, and discover your passion.

Prepare for lift-off

We don't just teach you—we equip you to take on the real-life challenges of being an... Astronaut? Aeronautics engineer? AI expert? You get to fill in the blank.

EXERCISE: MODIFYING THE FOOTER TEMPLATE

- Finally, let's modify the *Footer* template to display our text, image, and an action button.
1. **Click** on the *Footer Template* and scroll down to the editor.
 2. **Click** *Choose File* under the editor.
 3. **Choose** the *footer-content.ftl* found in
exercises/front-end-developer-exercises/
06-web-content-templates/template-src.
 4. **Click** *Save*.
- ✓ Now our footer is ready to go!

THE FOOTER FTL

- In the course of development, you'll likely come across the need to work with legacy code.
- In our footer example, we've worked with legacy HTML code to create the template.
- We're using a `style` tag to place the `bgimage` field from our Structure as the background.
 - This example actually uses the same image as the banner, but only uses the image clouds as the background padding class.
- Then, using a `<table>`, we can provide our columns to reference our logo, text, and action button.
- With that, we have accomplished the business requirements for web content on the front page of S.P.A.C.E.

S.P.A.C.E. FOOTER COMPLETE



Take the next step

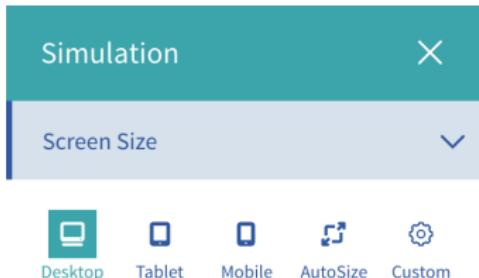
Begin a life-changing journey to the career of your dreams.

[Apply Now!](#)

EXERCISE: TEMPLATE PREVIEW

- ▶ We can test our templates' responsive design by using the Simulator panel on the right-hand side of the page.
- ▶ Let's take a look at our template on different breakpoints.

1. **Open** the *Menu*.
2. **Click** *Go to Site* in Site Administration.
3. **Click** on the Simulation Menu at the top right of the Control Menu.



SIMULATION OPTIONS

- The Simulation Menu has options for following:
 - **Desktop:** This allows you to see content from the Desktop view
 - **Tablet:** This allows you to see the Vertical and Horizontal preview of a Tablet.
 - **Mobile:** This allows you to see the Vertical and Horizontal preview of a Mobile device.
 - **Auto-size:** This allows you to resize as needed.
 - **Custom:** This allows you to set custom breakpoints.
- Let's look at our Templates in the three main breakpoints.

PREVIEWING OUR TEMPLATES FOR DESKTOP

- We can view our Templates from a Desktop perspective with the default Desktop option.

S.P.A.C.E. Banner

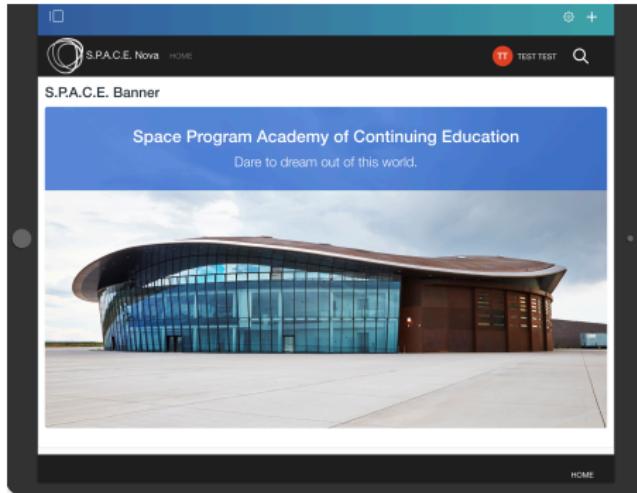
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Dare to dream out of this world.



EXERCISE: PREVIEWING OUR TEMPLATES FOR TABLET

1. **Click** on the *Tablet* option to view our templates as they'll display on a tablet.
 - Clicking on the Tablet option twice will toggle the vertical and horizontal view.



EXERCISE: PREVIEWING OUR TEMPLATES FOR MOBILE

1. **Click** on the *Mobile* option to view our templates as they'll display on a mobile device.
 - Clicking on the Mobile option twice will also toggle the vertical and horizontal view.



Notes: