uPortal 3 Theme & Skin: Advanced/Technical

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Goal

- Discover how uPortal produces the uPortal 3 user interface and how you can create and modify skins with an in-depth review of the theme code and page markup as well as the skin CSS. We'll also discuss how to configure the theme to customize the interface and think through best practices for keeping your customizations intact in future uPortal upgrades.

1. Definitions
2. uPortal UI generation
3. Theme
4. Skin
5. Theme Customization
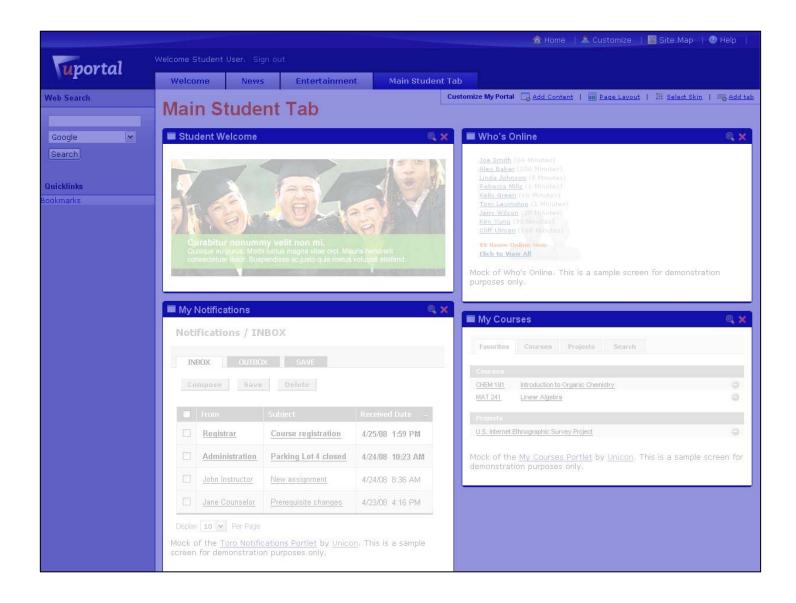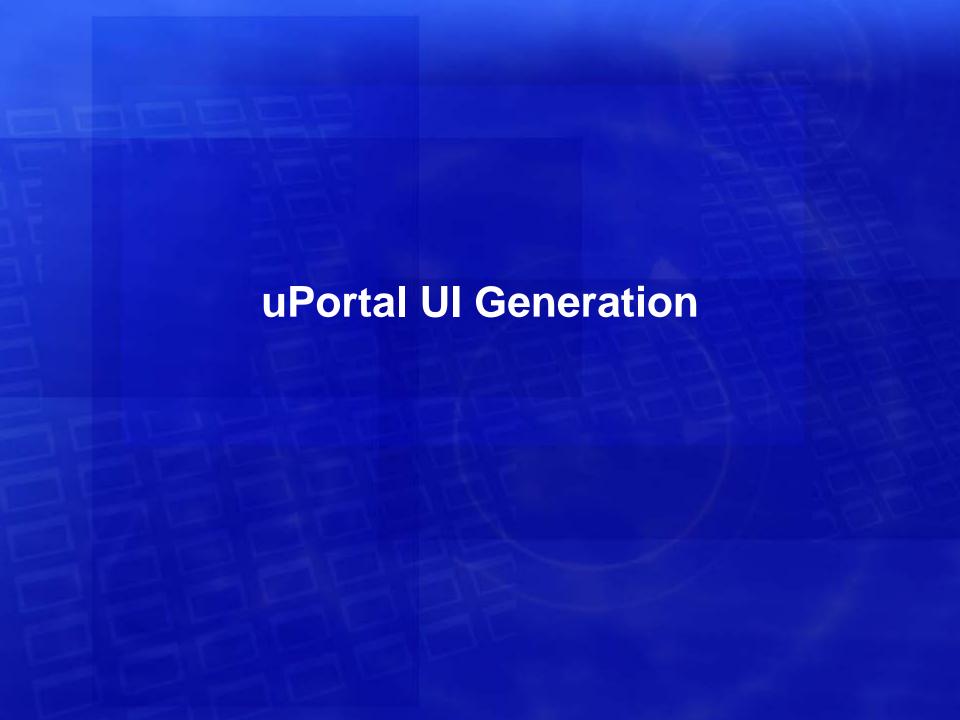6. Questions

Definitions

Theme

- Templates that generate page markup and user interface; everything down to and including the wrapper and controls around the channels and portlets - but excluding their contents.

- The theme **does not** affect channel and portlet content.
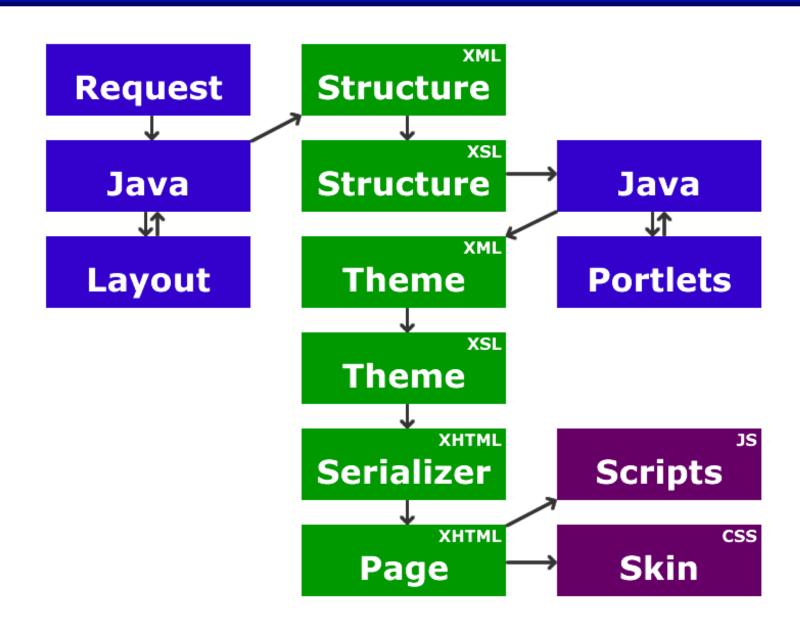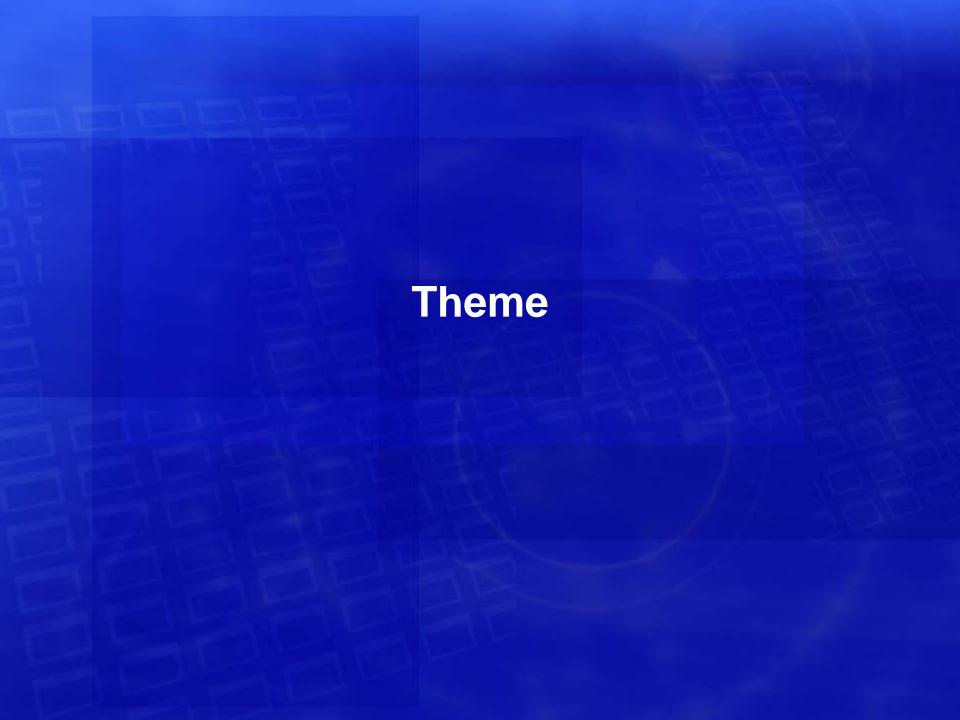
Definitions

Skin

- A package of CSS and images that specify the visual presentation: color, style, type, and imagery.

- The skin **does** affect channel and portlet content.

Definitions

uPortal UI Generation

uPortal UI Generation

```
Request ──→ Structure (XML)
              │
Java          ↓
  ↕         Structure (XSL) ──→ Java
              │                   ↕↑
Layout        ↓←──────────────── Portlets
            Theme (XML)
              │
              ↓
            Theme (XSL)
              │
              ↓
            Serializer (XHTML) ──→ Scripts (JS)
              │
              ↓
            Page (XHTML) ──→ Skin (CSS)
```

Theme

Theme

- XSL Templates

- Page markup

- JavaScript

Skin

Skin

- Cascading Style Sheets (CSS)

- Images

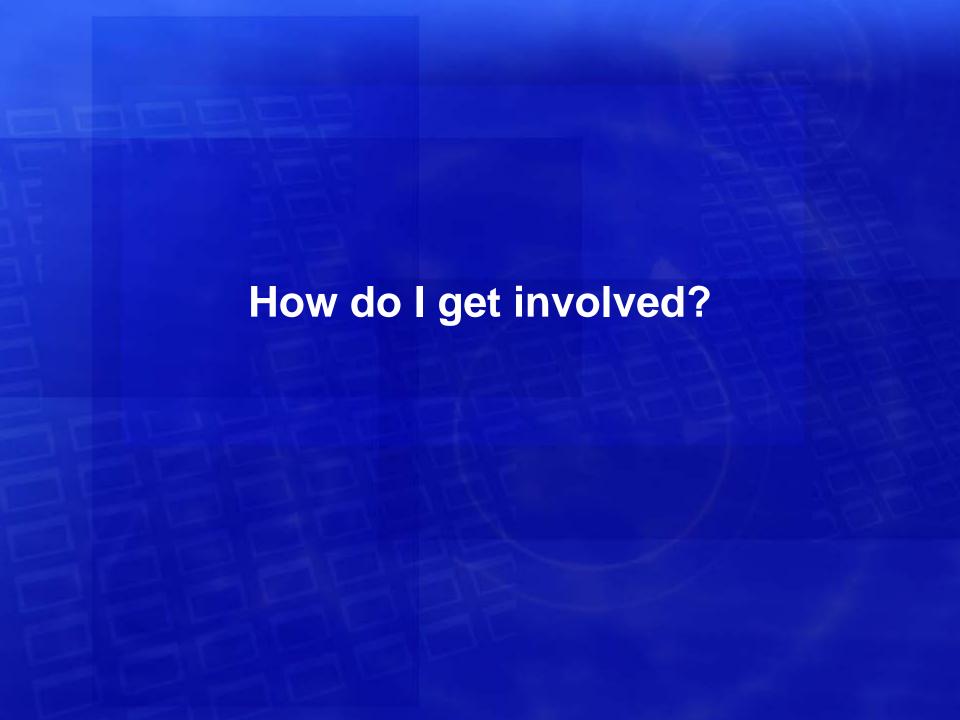# Theme Customization

Theme Customization

- Single file (universality.xsl)

- Template calls

- Ordering

- Custom xhtml

- Localization (messages.xml)

Theme Cusomization

- Keep your customizations intact!

- Allows theme "code" to improve underneath

- Simple to upgrade

How do I get involved?

How do I get involved?

- Ask questions

- Make suggestions

- Give feedback

- Log bugs

- Make improvements

Questions?

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