



Essential UI/UX Principles for Designing Niagara Experiences

May 28, 2026

Q&A

1. [Will you explain the difference between Px, Hx, and Ux media types in Niagara?](#)

Feature	Px	Hx	Ux
Technology	XML + Java	HTML wrapper for Px	HTML5 + JS + CSS
Browser support	Requires WebLauncher	Browser (legacy support)	Full modern browser support
Use case	Legacy systems	Viewing Px in browser	Current/future UI development

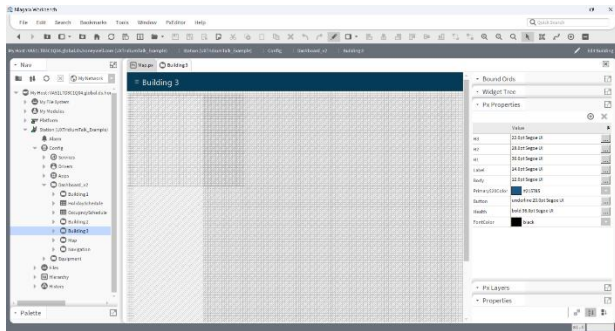
2. [Can we use Java script in px for web like function??](#)

No, you cannot use JavaScript within px. However, you do have the option of writing custom UxMedia widgets for browser use only, as well as WebWidgets, both of which are described in more detail in the Niagara Developer Documentation.

3. [PX Properties have to be created on every PX Page, are these going to be universal \(for all pages\) in N5?](#)

Yes, this is currently targeted for a 5.1 feature along with additional enhancements focused on improving the Px editing and creation experience. Today, you can save time by copying and pasting the XML. Make sure to remove any links to the source Px Page when doing this to avoid issues.

Select "Get Source XML" in the PxEditor Menu:



4. Can we use CSS functions to make light dark mode and themes easy?

Please reference the Niagara Developer Documentation for how to create themes in Niagara4. Niagara 5 will be including an enhanced UI framework for Workbench as well as light and dark themes.

5. Where can I find a graphics package as an add-on for N4??

There are several third-party graphics packages available for Niagara, typically offered through Niagara developers and other partners. These packages usually include:

- Pre-built HVAC/system graphics (AHUs, VAVs, central plants, etc.)
- Standardized equipment and symbol libraries
- Reusable templates to speed up engineering
- In some cases, enhanced UX or dashboard frameworks

They're not distributed directly by Tridium but are available by directly contacting the vendor. The Niagara Marketplace currently includes the listing information for several graphics vendors, but is not an exhaustive list.

6. How do we create the navigation menu??

This was done using a PxInclude consisting of the Hyperlink buttons bound to a Boolean Writable to animate the visibility of the PxInclude Canvas Pane. Please find the example in the example station available with the Tridium Talk recording.

7. Can you show how you can make an enhanced alarm screen or simple report like - overridden Points?

Thank you for this question, we will consider this topic for creating reports in Niagara as an upcoming Tridium Talk topic.