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JAVASCRIPT IN DXP

WHAT DOES JAVASCRIPT LOOK LIKE IN DXP?

- The front-end of Liferay DXP is designed to be extensible, flexible, and feature-ready.
- As a platform, Liferay DXP is compatible with the more widely adopted front-end libraries, allowing developers to choose whatever framework suits their needs.
- Like previous versions, many components are written using *AlloyUI*.
  - AlloyUI is no longer actively maintained.
- Because of this, we have included *jQuery*, and have also developed a new framework called *Metal.js*.

JQUERY

- JQuery is a cross-platform JavaScript library designed to simplify the client-side scripting of HTML.
- It is the most popular JavaScript library in use today.
- JQuery's syntax is designed to make it easier to navigate a document, select DOM elements, create animations, handle events, and develop Ajax applications.
  - Although jQuery is great for small websites, once you start creating high, scalable applications like Java portals, you'll need a more robust solution.
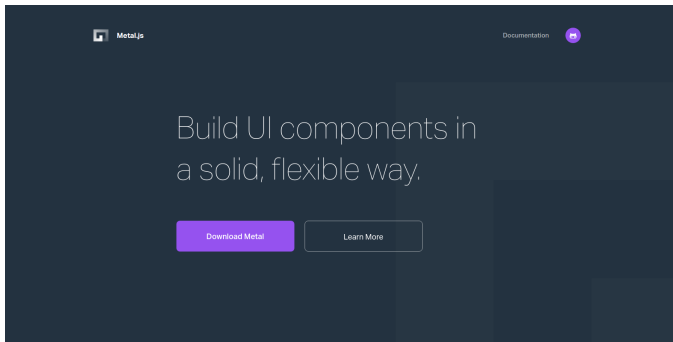
ALLOYUI

- AlloyUI is an open-source front-end framework built on top of `Yahoo! User Interface Library (YUI)`.
- It leverages all of YUI's modules and adds more components and features to help you build your UIs.
- AlloyUI is also server-agnostic, so you can use it with any technology.
- AlloyUI is deprecated in DXP but can be maintained and customized for legacy purposes.

METAL.JS

- Metal.js is a JavaScript library for building UI components in a solid, flexible way.
- Metal.js is built from the ground up with performance in mind.
- Metal.js is flexible enough to be built as global objects, AMD modules, or jQuery plugins.
- Metal.js uses the *ECMAScript 2015* language specification.

METAL.JS EXAMPLE

> Internally, Liferay will be focusing on Metal.js as our primary JavaScript framework for front-end development.

> To see some examples and get more information, you can go to the Metal.js website: *http://metaljs.com/*

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Notes: