



Cúram 8.1.3

**Merative™ Creating external applications
with the Cúram Web Design System**

Note

Before using this information and the product it supports, read the information in [Notices on page 11](#)

Edition

This edition applies to Cúram 8.1.2.

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1 Creating external applications with the Cúram Web Design System

The Cúram Web Design System is a framework for building external web applications. The Cúram Web Design System helps you create responsive web applications that enable agencies to offer any web self-service solution to external users. The Design System framework uses modern technologies, such as React JavaScript. It includes a Design System tailor-made for providing an accessible user experience that works in browsers, desktop, tablet, and mobile devices.

The Cúram Web Design System supports the authentication of any external users, not just citizens. For example, an external user might be a child welfare-mandated reporter or an authorized representative from a community-based organization tasked with helping citizens apply for benefits.

The Cúram Web Design System comes with significant support for calling Cúram Web APIs allowing you to quickly build solutions that depend on data and business operations in the Cúram application. The Cúram Web Design System also supports the theming of web applications to match existing agency themes or to build web applications with distinct themes if required.

How to get started with the Web Design System

Choose a persona

Before you start, decide who you are building the web application for. The Cúram Web Design system can be used to:

- Create web applications for citizens to apply for and track benefits
- Create web applications for others such as authorized representatives, navigators, or assisters, to apply for benefits on behalf of their clients (citizens)
- Create a web application for any user that is not dependent on applying for or tracking benefits

Creating a web application for citizens

Cúram Citizen Engagement (CE) provides a citizen-facing responsive web application, a ready-to-deploy reference application. It is an example of a web application built using the Cúram Web Design System. It contains key business processes agencies can customize and extend to offer a web self-service solution to their citizens allowing them to apply for benefits and track & manage their interactions with the agency. See the *Cúram Universal Access Responsive Web Application Guide*.

Creating a web application for Authorised Representatives

Cúram Citizen Engagement (CE) also includes key business processes for Authorised Representatives. The REST APIs provided in the Universal Access application module for CE also support authorization beyond the citizen. All APIs for a citizen can also be used for an authorized representative-type user. The APIs needed to upload verification documents to support a benefit application is also provided.

A sample responsive web application for authorized representatives is included which presents some concepts for how this type of web application might look and how Curam Web APIs can

be customized to grant authorization to the resources of other users. *Note - This is a sample only not a reference application, and while some screens are provided as part of the sample, the data presented is mocked, not retrieved by REST APIs. See the Universal Access for Authorized Representatives chapter in the Cúram Universal Access Responsive Web Application guide.*

Creating a web application that does not depend on benefits-related workflows

For other users who are not citizens applying for benefits or authorized representatives acting on behalf of citizens, all you need is the Web Design System to build your web application from the ground up. Depending on the web application being built, REST APIs will have to be created, to populate information within the application. See the *Cúram Design System Guide*.

Dependencies

Support for citizen users and users who act on behalf of citizens applying for benefits, such as authorized representatives, depends on the **Cúram Platform**, the **Universal Access application module** for the configurable business processes, and the **Cúram Web Design System** for the UI. Support for other users not applying for benefits depends only on the **Cúram Platform** (Universal Access is not required) and the **Cúram Web Design System** for the UI.

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