IBM Watson Health

IBM Social Program Management (SPM) V8.0.0

Deep Dive: Improving the Caseworker Experience of the SPM User Interface (UI)



Agenda

Introducing Carbon

New UI Features and Benefits

Technical Foundation

Upgradability

Where to Find More Information



V8.0.0 – New User Interface for Caseworkers

New V8.0.0 UI makes it easier for caseworkers to complete day-to-day tasks.



Introducing Carbon in SPM

What is Carbon?

Carbon is IBM's open-source design system for products and digital experiences.

Benefits of Using Carbon in SPM

- The new user interface provides the following features across the entire SPM application:
 - Improved layout that uses space effectively and increases interaction space
 - Improved styling, color, fonts, and icons
 - Responsive modals
- These system-wide improvements will help all caseworkers efficiently deliver benefits and services to citizens.

UIM Components Replaced by Carbon

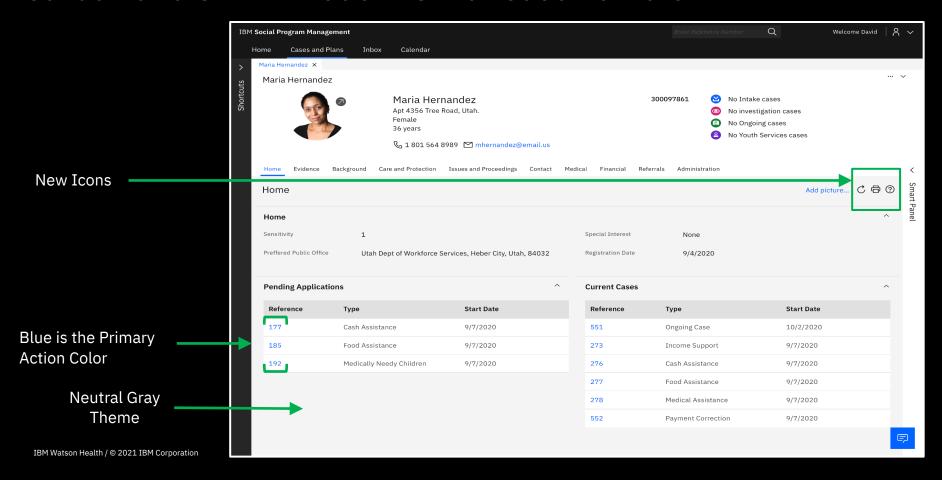
Carbon Components in SPM:

- Modal dialogs
- Text input and text area components
- Dropdowns
- Date pickers
- Time pickers
- Date and time components
- Checkboxes
- Multi-selection checkboxes
- Modal buttons

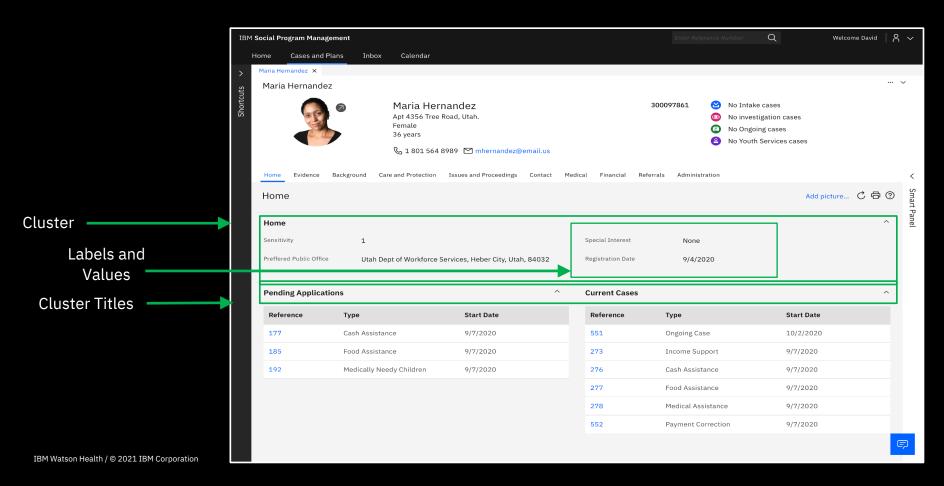
Carbon Add-Ons Created with the Carbon System:

- Cluster
- Search popup

Carbon and SPM – Modern UI for Caseworkers



Easier-to-Read SPM Screens

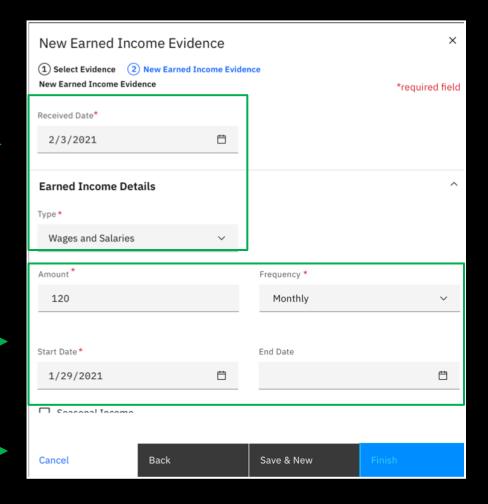


UI Makes it Easier to Read and Complete Forms

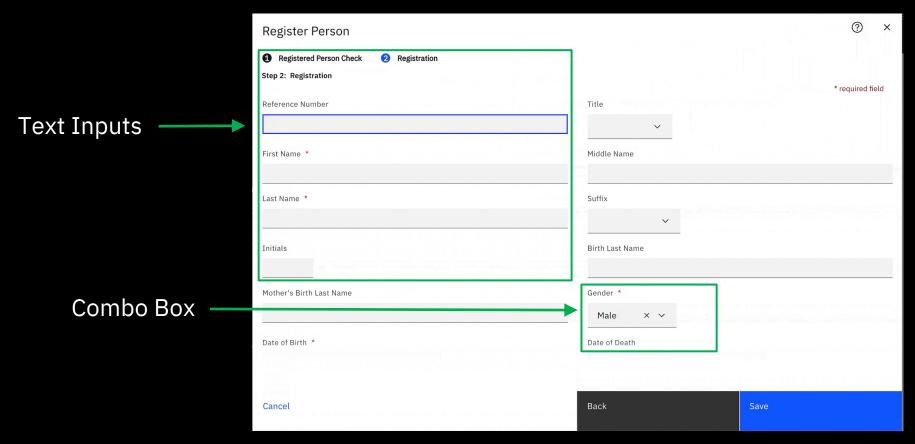
The new labels-on-top of Input fields

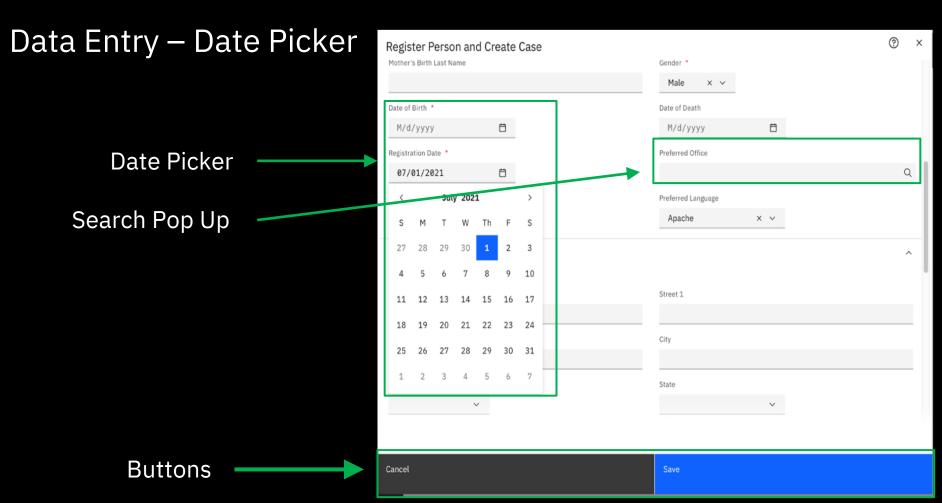
More Space for Labels and Inputs

New Modal Layout



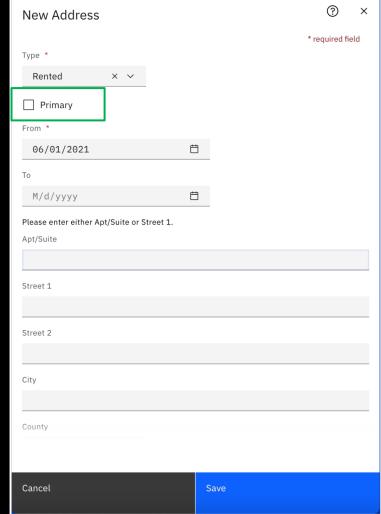
Faster Data Entry – Text Picker and Combo Box

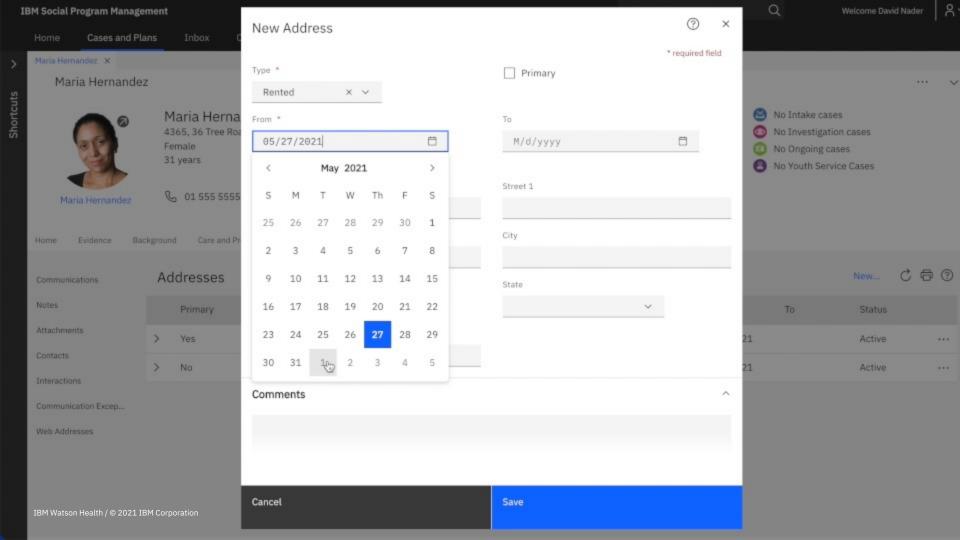




Faster Data Entry – Checkboxes



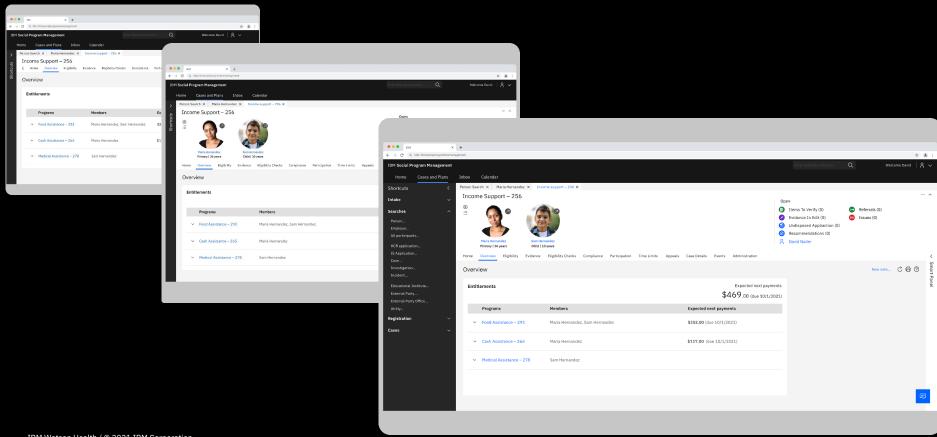




UI — Responsive Design Across Devices

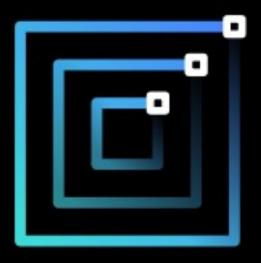
Difficult to read

Cumbersome navigation



Solution

Technical Foundation



New UI

To modernize the SPM UI, the client infrastructure has been updated.

Styling

Font has been updated to IBM Plex.

Carbon color palette has been applied.

Iconography

Icons have been updated to SVG to provide sharper images in the UI.

Modals and Clusters

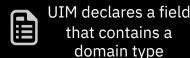
Clusters and Modals are now responsive to best fit the content within the available viewport.

Form Controls

Most common form controls used by caseworkers are updated to Carbon, for example, text input fields, dropdowns, and date and time.

Mapping UIM to Carbon

- No changes to how you develop UIM and application navigation artifacts.
- Developers do not need to configure or customize the Carbon components.
- The Carbon components are rendered by using domain plug-ins:



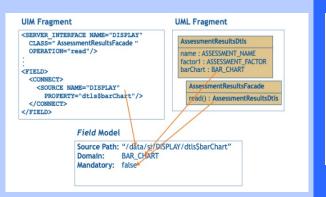


The Domain type is mapped to a Java renderer





The Java renderer outputs the SPM UI component





Upgradability

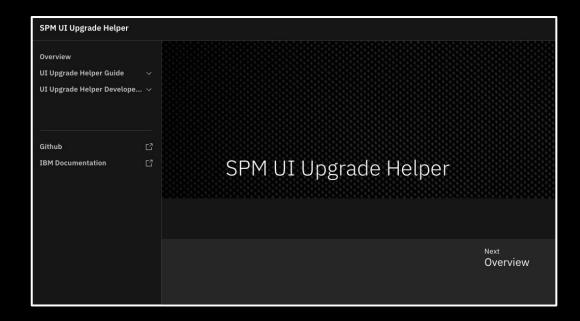
- The Carbon Design System is based on modern JavaScript.
- The Carbon UI requires changes to the underlying HTML structure and CSS in SPM.

The following customizations might be affected by the introduction of the Carbon UI:

- Custom CSS rules
- Custom JavaScript
- Custom CSS that uses icons from the SPM application
- Custom widgets that add HTML to the default application low probability

UI Upgrade Helper Tool

- Reduces manual steps in the upgrade process
- Shipped in a Docker container
- Diff editor in the browser guides the developer, for example:
 - CSS selectors to delete or update
 - JS functions to manually review
- Fixes CSS impacts where possible



• The tool and documentation are available on GitHub:

https://ibm.github.io/spm-ui-upgrade-helper/

Where to Find More Information

- IBM Documentation
 - Refer to What's new in IBM Cúram Social Program Management 8.0.0 User Interface Improvements
 - Release Notes
 - Refer to Improvements, Resolved Issues, Third Party Updates and Code Removals Look and feel
 - For more information about Carbon
 - Refer to https://www.carbondesignsystem.com



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