

Citizen Engagement (CE) Enhancements

Cúram 8.1.3 (CE v7.4.0) Enablement Material



Agenda

1. CE Accessibility Defect Fixes
2. IEG Accessible Server-side Validations

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CE Accessibility Defect Fixes

CE Accessibility Defect Fixes

57 accessibility fixes have been rolled out across 23 WCAG 2.1 Criteria* since June 2024

- 1.1.1 Text Alternatives - Non-Text Content (1)
- 1.3.1 Adaptable - Info and Relationships (17)
- 1.3.2 Adaptable - Meaningful Sequence (1)
- 1.3.3 Adaptable - Sensory Characteristics (2)
- 1.4.1 Distinguishable – Use of Color (1)
- 1.4.4 Distinguishable – Resize Text (1)
- 1.4.11 Distinguishable - Non-Text Contrast (3)
- 1.4.12 Distinguishable – Text Spacing (1)
- 2.1.1 Keyboard Accessible - Keyboard (4)
- 2.4.1 Navigable - Bypass Blocks (3)
- 2.4.3 Navigable - Focus Order (1)
- 2.4.4 Navigable - Link Purpose (In context) (3)
- 2.4.6 Navigable - Headings and Labels (2)
- 2.4.7 Navigable - Focus Visible (3)
- 3.1 Readability (1)
- 3.1.2 Readable - Language of Parts (3)
- 3.2.2 Predictable - On Input (1)
- 3.3.1 Input Assistance - Error Identification (1)
- 3.3.2 Input Assistance – Labels or Instructions (2)
- 3.3.3 Input Assistance - Error Suggestion (1)
- 4.1.2 Compatible - name, role, value (6)
- 4.1.1 Compatible - parsing (6)
- 4.1.3 Compatible - Status Messages (2)

Details of the fixes are provided in the release notes contained within the CE guides

**Some fixes cross multiple criteria so number in brackets doesn't reflect number of defects addressed*

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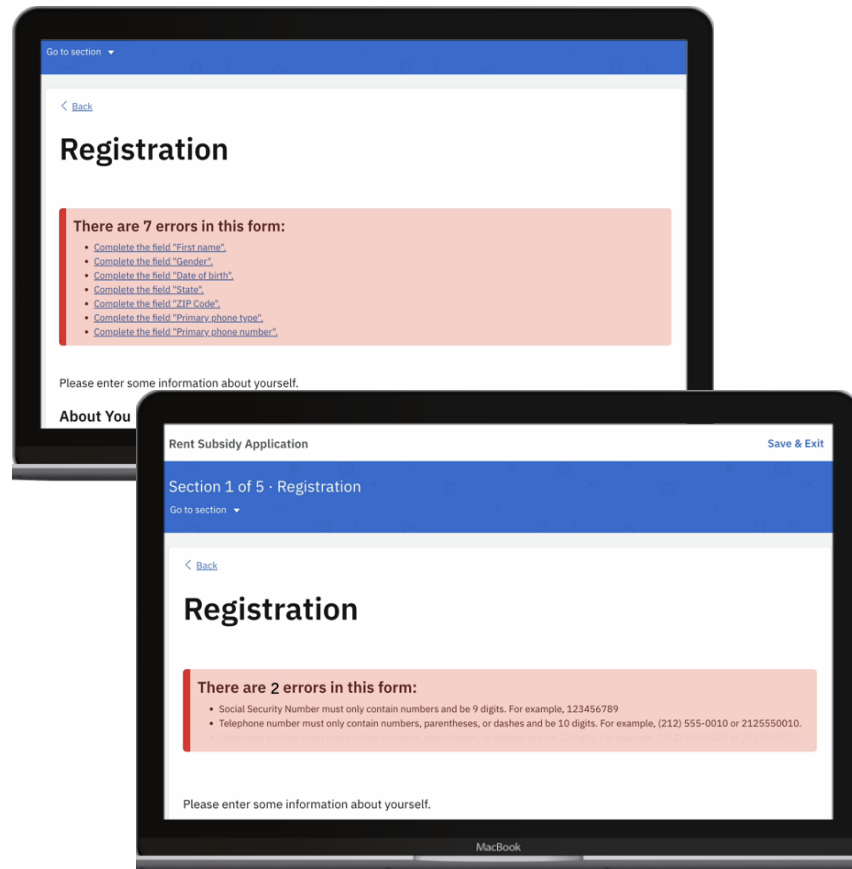
IEG Accessible Server-side Validations

IEG Accessible Server-side Validations

Business Problem:

If a Citizen **makes mistakes** when filling out an online application, they **do not receive consistent notifications** about these mistakes.

Errors are not displayed all at once, and not all errors are clearly associated (linked) with the relevant fields.



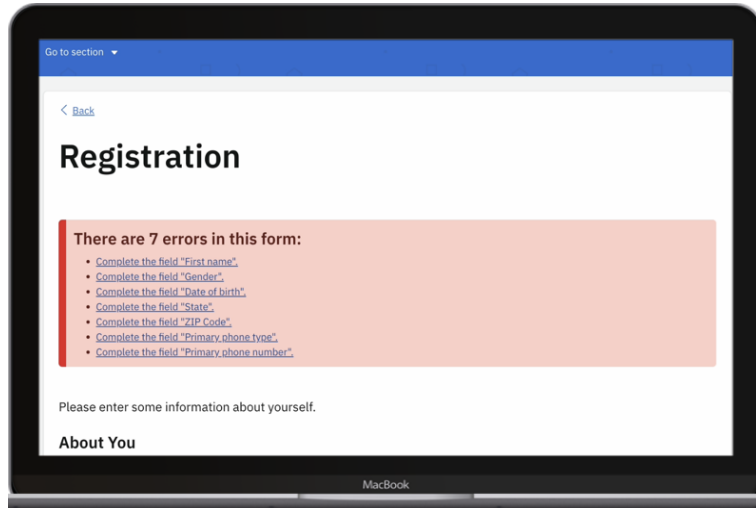
Before CE v7.4.0

There were 2 phases of validation in IEG forms both triggered by continue or submit.

1. Client-side

Validations done on the front end. Displayed at the top of the page in the error section, with a link to the field with the error, and the message repeated inline beneath the field. They were displayed first.

Examples are typically mandatory field validations.



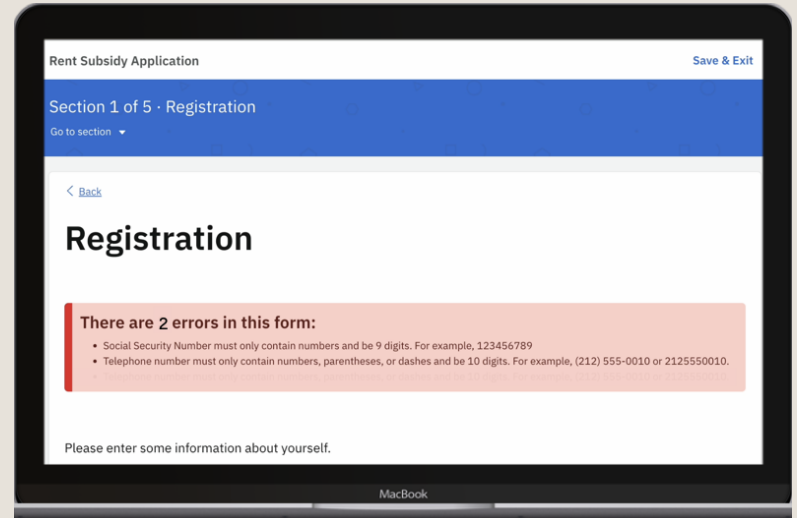
The screenshot shows a web form titled "Registration" on a laptop screen. At the top, there is a blue header with "Go to section" and a dropdown arrow. Below the header, there is a blue bar with "< Back". The main title "Registration" is in large black font. Below the title, there is a red box with the text "There are 7 errors in this form:" followed by a list of 7 errors: "Complete the field 'First name'", "Complete the field 'Gender'", "Complete the field 'Date of birth'", "Complete the field 'State'", "Complete the field 'ZIP Code'", "Complete the field 'Primary phone type'", and "Complete the field 'Primary phone number'". Below the red box, there is a text input field with the placeholder text "Please enter some information about yourself." and a label "About You" below it. The laptop screen shows "MacBook" at the bottom.

2. Server-side

Validations where a call is made to the backend to check information. Displayed once client-side validations were corrected.

- No link to field
- Field not highlighted
- No inline message

Examples are where a person's date of birth can't be in the future, or where an SSN/SIN needs to have a certain number of characters.



The screenshot shows a web form titled "Registration" on a laptop screen. At the top, there is a blue header with "Rent Subsidy Application" and "Save & Exit". Below the header, there is a blue bar with "Section 1 of 5 - Registration" and "Go to section" with a dropdown arrow. Below the blue bar, there is a blue bar with "< Back". The main title "Registration" is in large black font. Below the title, there is a red box with the text "There are 2 errors in this form:" followed by a list of 2 errors: "Social Security Number must only contain numbers and be 9 digits. For example, 123456789" and "Telephone number must only contain numbers, parentheses, or dashes and be 10 digits. For example, (212) 555-0010 or 2125550010." Below the red box, there is a text input field with the placeholder text "Please enter some information about yourself." and a label "About You" below it. The laptop screen shows "MacBook" at the bottom.

In CE v7.4.0

Now both client-side and server-side error messages are displayed at the same time.

All error messages link to the field where the error occurred

The field with the error is highlighted, and the error is repeated inline

Rent Subsidy Application Save & Exit

Section 1 of 5 · Registration

[Go to section](#) ▾

[< Back](#)

Registration

There are 6 errors in this form:

- [Complete the field "Gender".](#)
- [Complete the field "Date of birth".](#)
- [Social Security Number must only contain numbers and be 9 digits. For example, 123456789](#)
- [Complete the field "State".](#)
- [Complete the field "ZIP Code".](#)
- [Telephone number must only contain numbers, parentheses, or dashes and be 10 digits. For example, \(212\) 555-0010 or 2125550010.](#)

Please enter some information about yourself.

Gender

☐ Female

☐ Male

Complete the field "Gender".

Date of birth [Help](#)

MM/DD/YYYY

Complete the field "Date of birth".

Social security number [Help](#)

invalid

Social Security Number must only contain numbers and be 9 digits. For example, 123456789

Residential Address

Street 1 Optional

Street 2 Optional

Technical Considerations

What is provided?

webApp setting:

`REACT_APP_ACCESSIBLE_SERVER_SIDE_VALIDATIONS_ENABLED`

The setting is contained within the file:

`.../packages/universal-access-sample-app/.env` (which contains all webApp settings).

Applies to the CE IEG player only

What do you need to do?

The setting is **false** by default. To avail of accessible server-side validations it must be set to true.

When set to false, error messages resulting from a server-side validation will be displayed once all client-side errors have been corrected. The error message will be displayed at the top of the page only with no link to the field where the error occurred.

When set to true, all error messages are displayed at the same time. All messages have a link to the field where the error occurred. The field with the error is highlighted to the user and the error message is repeated inline.

Note - To enable accessible server-side validations CE v7.4.0 and Cúram 8.1.3 or later is required.