F420 - Enter and Store Allergies – Overview - Screen Reader and User Experience

Visit Management

- (start)
- Is the Encounter Location information specified? — No → "Provider & Location for Current Activities" modal[11]
- Yes ↓

Select New Entry

- Adding new entry via applet/applet tile?[14] — Yes ↓ — No →
- Adding new entry via "My Observations"? — Yes → — No ↓
- "Observations" tab
- "My Observations" Tray header
- "New Entry" button
- User selected "New Entry" button? — No → (1)
- "Arrange by:" Sort by button
- "Allergy" Accordion Header[1]
- Allergy Entry List (read content from left to right)
- User selected an allergy entry? — No ↓
- "Delete"/"Enter in Error" button (on the action bar)[9]
- User selected the "Delete" button? — No → Yes ↓
- User selected the "Enter in Error" button? — Yes ↓
- "Edit" button (on the action bar)[12]
- User selected the "Edit" button? — Yes → (2)
- "View" button (on the action bar)[13]
- User selected the "View" button? — No → / Yes ↓
- Detailed View[13]

- Is it a blank form? — No / Yes →
- Delete Warning Modal [+]
- Enter in Error Modal [+]
- Growl Alert [+] ← Yes
- Was the Delete/Remove action canceled? — Yes →
- Was the action successful?

New Entry

- (1)
- "New Entry" tray header
- Selection List of Items
- User selected "Allergies" from list? — Yes →
- "Back" button
- User selected "Back"? — No → / Yes ↓
- (End)

Allergies Form

- (2)
- "*" indicates a required field" text
- "Allergies" Form header
- "X" button
- User selected the "X" button? — Yes →
- "Allergen" dropdown field
- User selected the "Allergen" dropdown field? — No → / Yes ↓
  - Allergen search text field
  - Option Items (dropdown)
- "Choose an options" text
- "Observed" radio button
- "Historical" radio button
- User selected the "Historical" option? — No ↓ / Yes ↓
  - (No path) "Reaction Date" label and date field (active)[2]
  - "Time" label and time field (active)[3]
  - "Severity" label and dropdown field (active)
  - User selected the "Severity" dropdown field? — Yes → Option Items (dropdown)
  - (Yes path) "Reaction Date" label and date field (inactive)
  - "Time" label and time field (inactive)
  - "Severity" label and dropdown field (inactive)
- "Nature of Reaction" dropdown field
- User selected the "Nature of Reaction" dropdown field? — No → "Available Signs / Symptoms" text → (3)
  - Yes ↓ Option Items (dropdown)

- (3)
- "Filter Signs/Symptoms" text field
- Symptom Names and "Add" buttons (read left to right, top to bottom)[4]
- "Selected Signs/Symptoms" column header
- "Date" column header
- "Time" column header
- User selected symptoms from the previous section? — Yes → / No ↓
  - Symptom Name
  - Date field[2]
  - Time field[3]
  - "Remove" button[5]
  - User still has more selected signs/symptoms? — No → / Yes →
- "Comments" text field
- Allergies Form Footer [+]

User Overview

The Allergies form allows the user to select an allergen to add to a patient's record. The user can also select a particular sign or symptom, which, once selected, appears in the "Selected" section. Once the user confirms all applicable symptoms, he/she may add additional comments within the form, and select the "Add" button to officially add the allergen data to the patient's record or close/cancel the form.

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[1] The content under an accordion is only read after the accordion header is opened. Otherwise, the screen reader continues with the next accordion header.
[2] The user can also select the date icon, which displays the calendar component. However, this option does not meet Section 508 compliance.
[3] The user can also select the clock icon, which displays the time picker component. However, this option does not meet Section 508 compliance.
[4] If the user selects the "Add" button, the symptom is placed into the "Selected Signs/Symptoms" section and the "Add" button in the "Available Signs/Symptoms" section is replaced with the "Remove" button.
[5] The user may add multiple signs or symptoms. If the user selects the "Remove" button for one of the signs/symptoms, the symptom is placed back into the "Available Signs/Symptoms" section.
[6] System error on submittal. The tray closes, the alert modal appears with an OK button, and the user has to start over.
[7] If the user did not enter in all required fields, the focus goes to the first required field that was not completed.
[8] The required text instructions will be read by the Screen Reader at the beginning of the form whereas other users will see this text at the bottom of the form. When the Screen Reader gets to the bottom of the form, it will not read this text again.
[9] If the user is creating a new allergy, he/she does not see this button. The "Delete" button appears when the allergy form is still in a draft state. Otherwise, the "Enter in Error" button appears.
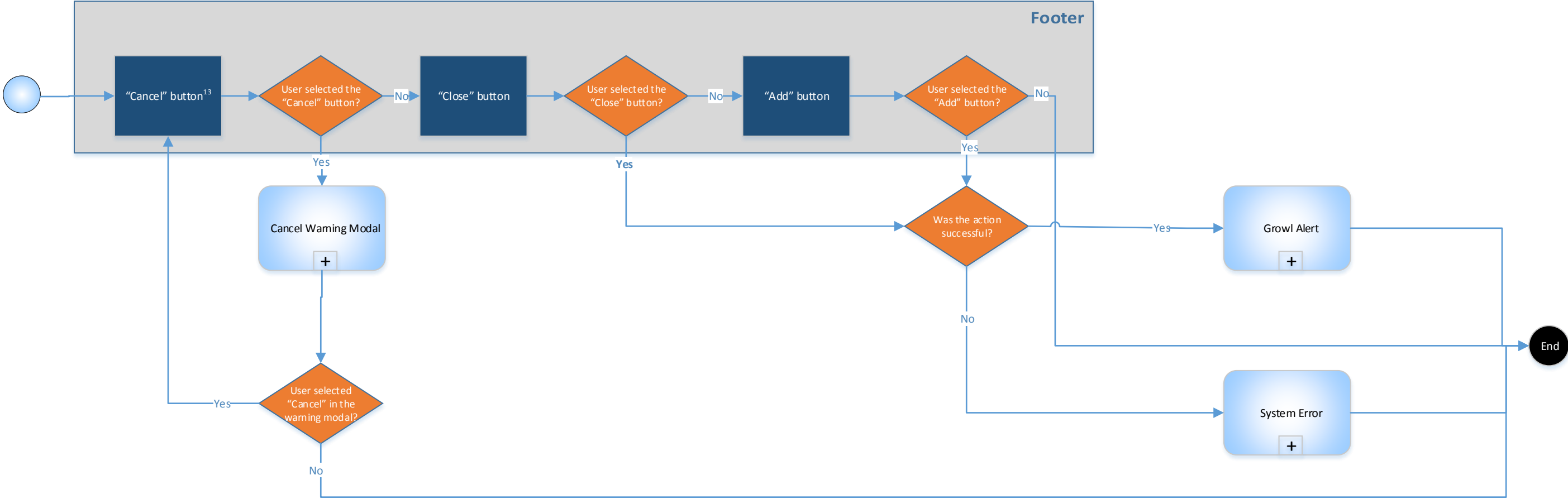[10] The growl alert automatically disappears after a few seconds.
[11] This sub-process is not covered in this workflow.
[12] This option only appears on allergy entries in a draft state.
[13] This option only appears on allergy entries that have already been added to the patient's record.
[14] The Encounter Location must be set prior to adding a new allergy. If the user tries to add an allergy without setting the encounter location, a warning modal appears indicating that the action needs the encounter location filled out. Selecting "Yes" in this modal brings up the Visit Management modal to complete. Once completed, the Allergy form is displayed. Selecting "No" in the warning modal returns the user to the previous screen.

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Footer

Allergies Form Footer

Diagram flow:
- (Start) → "Cancel" button[13] → User selected the "Cancel" button?
  - No → "Close" button
  - Yes → Cancel Warning Modal [+] → User selected "Cancel" in the warning modal?
    - Yes → (back to "Cancel" button[13])
    - No → (to End)
- "Close" button → User selected the "Close" button?
  - No → "Add" button
  - Yes → (to Was the action successful?)
- "Add" button → User selected the "Add" button?
  - No → (down)
  - Yes → Was the action successful?
    - Yes → Growl Alert [+] → End
    - No → System Error [+]

User Overview

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[5] The user may add multiple symptoms. If the user selects the "Remove" button, the symptom is placed back into the "Available Signs/Symptoms" section.

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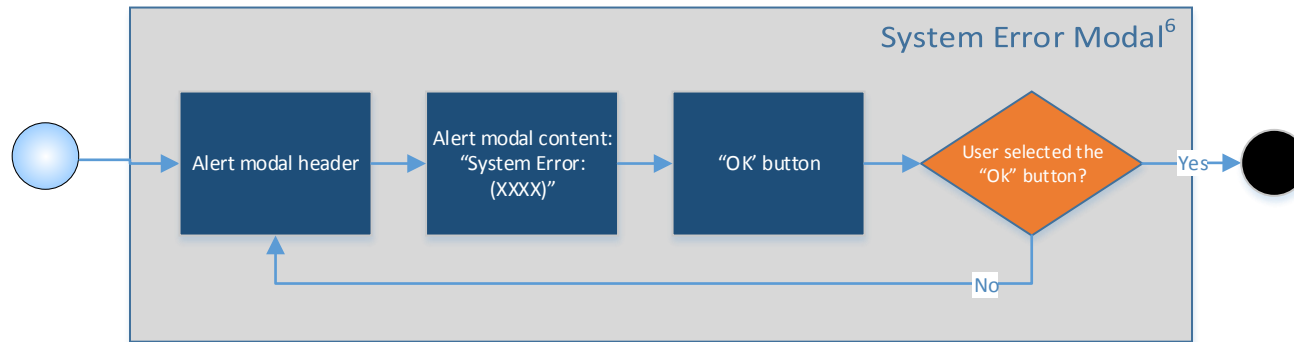
[9] If the user is creating a new allergy, he/she does not see this button. The "Delete" button appears when the allergy form is still in a draft state. Otherwise, the "Enter in Error" button appears.

[10] The growl alert automatically disappears after 10 seconds and the user returns to the My Observations view.

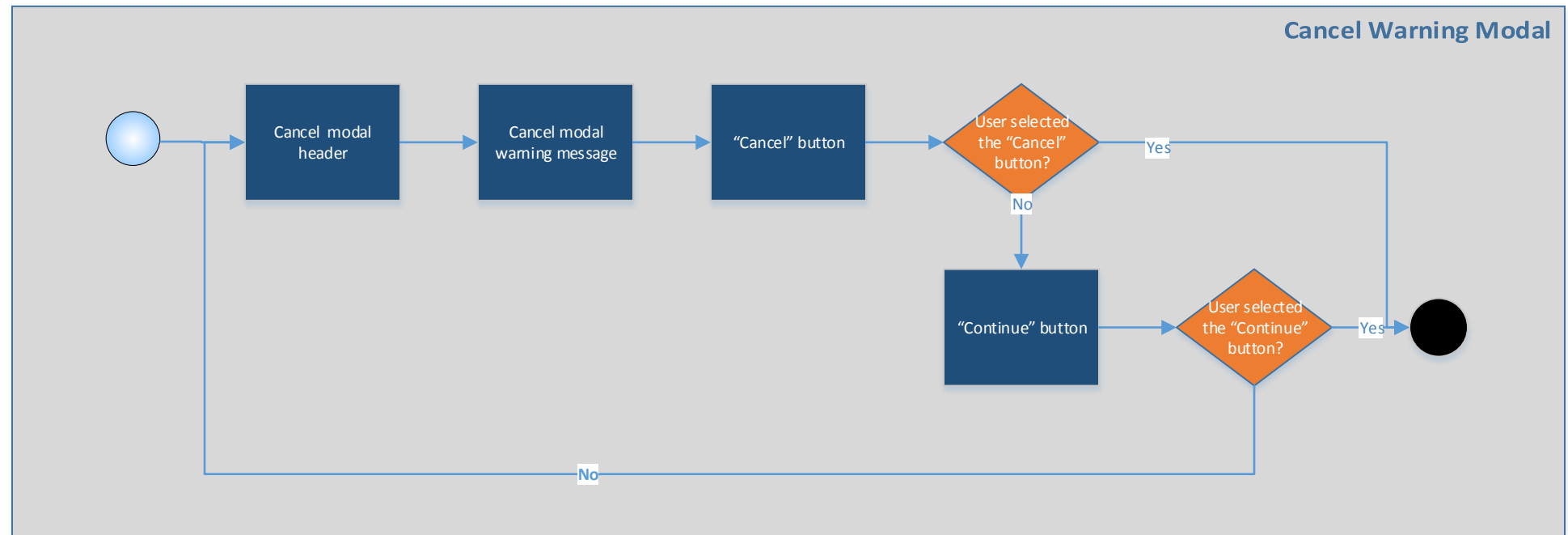[11] This sub-process is not covered in this workflow.

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F420 - Enter and Store Allergies – System Error Modal

Screen Reader with User Interaction

System Error Modal[6]

```
( ● ) → [ Alert modal header ] → [ Alert modal content: "System Error: (XXXX)" ] → [ "OK" button ] → < User selected the "Ok" button? > --Yes--> ( ● )
                ↑_____No_____|
```

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[4] If the user selects the "x" button, the symptom is removed from the Selected section and placed back into the Available section.

[5] The user may add multiple symptoms.

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Cancel Warning Modal

Screen Reader with User Interaction

```
( ● ) → [ Cancel modal
          header ] → [ Cancel modal
                       warning message ] → [ "Cancel" button ] → < User selected
                                                                   the "Cancel"
                                                                   button? > —Yes→
                                                          |No
                                                          ↓
                                             [ "Continue" button ] → < User selected
                                                                      the "Continue"
                                                                      button? > —Yes→ ●
                                                          |No
```

No (loops back to "Cancel modal header")

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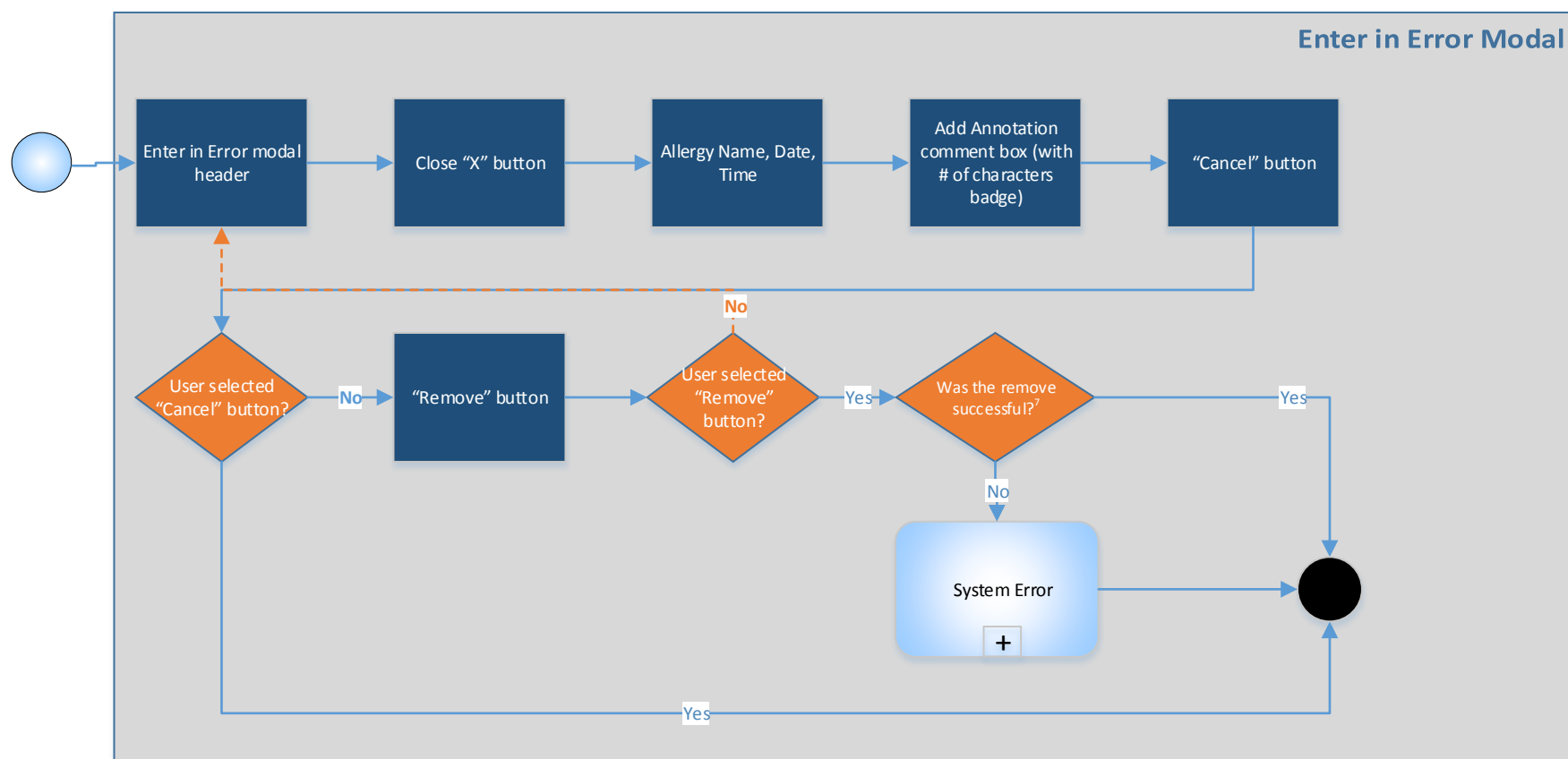
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Enter in Error Modal

Screen Reader with User Interaction

Enter in Error modal header → Close "X" button → Allergy Name, Date, Time → Add Annotation comment box (with # of characters badge) → "Cancel" button

User selected "Cancel" button? —No→ "Remove" button → User selected "Remove" button? —Yes→ Was the remove successful? —Yes→ (end)

No → System Error +

Yes

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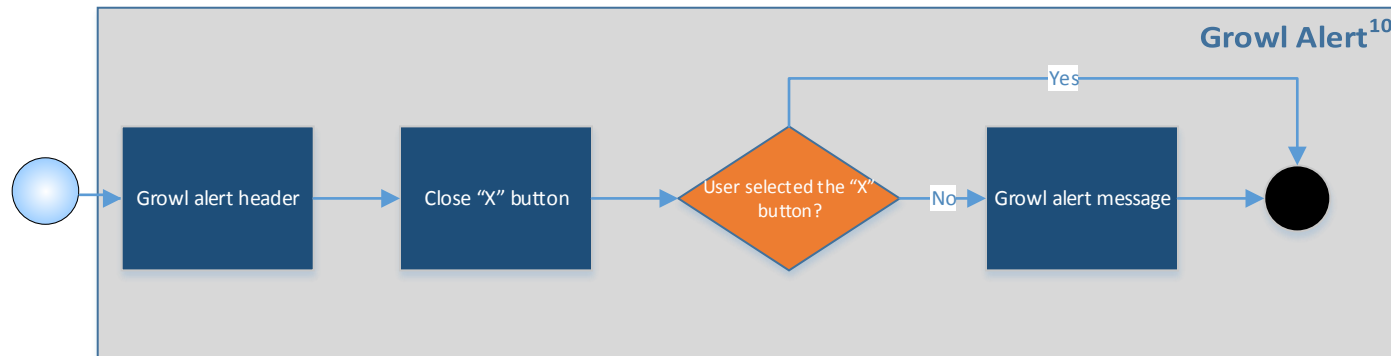
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Screen Reader with User Interaction

Growl Alert[10]

Growl alert header → Close "X" button → User selected the "X" button? → Yes / No → Growl alert message

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