





Dynamic functionality on UI elements

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Dynamic UI design

Dynamic attributes for UI elements

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Dynamic functionality on UI elements

Dynamic UI design

Dynamic UI design is the practice of designing a user interface to adapt according to user input. When designing a dynamic user interface (UI), you control the fields that users see and interact with, according to specified conditions. Dynamic UI content is a key element of an intent-driven UI design. Choices made by users drive what controls are displayed so the only relevant fields are presented.

et help

For example, when submitting a loan request, customers specify their marital status. If customers select married, the application displays user entry fields for their partner.

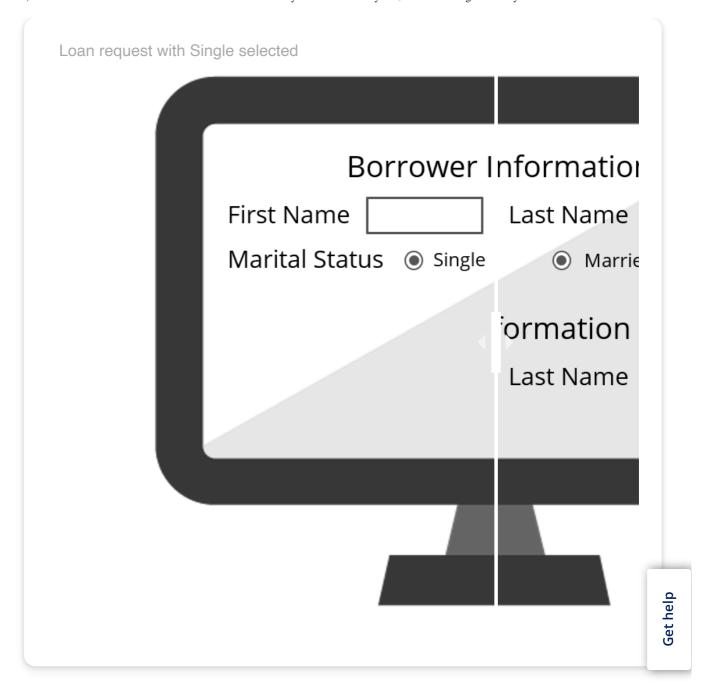
In the center of the following image, drag the vertical line to see the loan request with **Single** and **Married** selected.

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The benefits of using dynamic UI design include real-time response to end-user behavior, robust functionality available for most user interactions, reduced visual clutter on the screen, and fewer full-page refreshes, which results in improved UI responsiveness.

Dynamic attributes for UI elements

To configure dynamic behavior for UI elements, you can manipulate when elements are visible and disabled.

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By default, UI elements have a visibility setting of Always, meaning the UI element always displays on screen. The following table contains other visibility setting options.

Visibility setting	UI element behavior	Example	Example description
Always	Always displays	Name	You want the Name field, where the application user enters their name, to be visible always.
Condition (expression)	Displays when an expression (can be a when rule) returns true. Use this option for short expressions that you do not need to reuse throughout your case.	Meal preference Meat Fish Vegetarian Special meal Type of meal Type of meal	If a user chooses the Special meal option, the Type of meal dropdown list is displayed. Otherwise, the dropdown list is not displayed. You determine that this is the only place where you need this expression, so it is appropriate to use the Condition (expression) option.
Condition (when rule)	Displays if a when rule returns true. Use this option for more complex when rules or for when rules you reuse throughout the case type.	Marital Status Name of Spouse Marital Status Marital Status	You create a when rule, when Marital Status = Married, which you plan to reuse. You reference this when rule so that when the user selects Married as their Marital Status, the Name of Spouse is not visible otherwise.
If not blank	Displays if the value of the field is not blank	Next appointment 02-02-19 date	When confirming a doctor's appointment, patients can optionally select a date for their next appointment. If patients select a date, the Next appointment date field is visible. If the patient does not select a date, the Next

	greater than zero, then it displays. If the calculated
	order total is zero, then
	Order total is hidden.

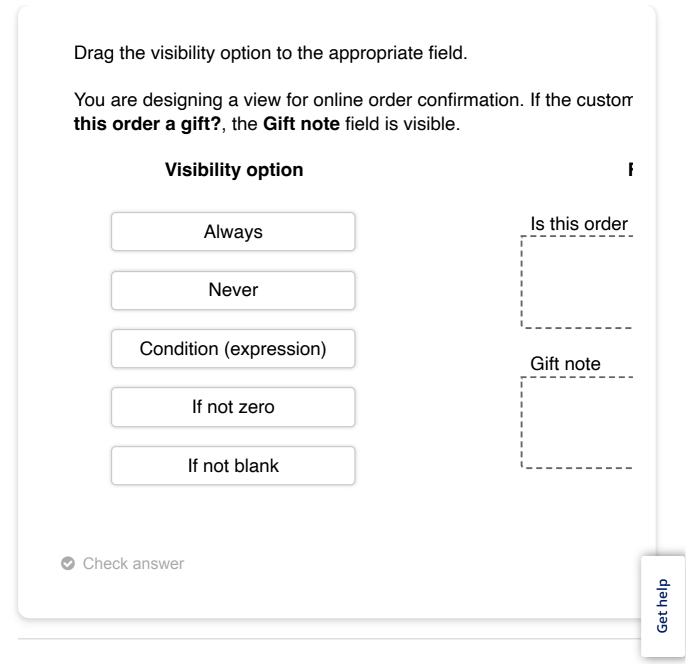
Disabled

Configure when a field or layout is disabled to limit user access to a field. A field or layout is disabled when a specific condition is satisfied.

By default, UI elements are never disabled, meaning users always have access to the UI elements. The following table displays options for disabling UI elements.

By default, UI elements are never required, meaning the user can proceed with case processing without specifying a value. The following table displays options for making UI elements required.

Required setting	UI element behavior	Example	Example description	
Never	Never required	Email	You want the Email field to be optional but not required for users.	
Always	Always required	Account type *	When customers open a bank account, they must choose the account type. The Account type field is always required.	
Condition (expression)	Required when an expression (can be a when rule) returns true	Preferred Contact Method Email Text Email Mobile number*	If the user selects Email as their Preferred Contact Method, the Email field is required. If the user selects Text as their Preferred Contact Method, the Mobile number field is required. You determine that this is the only place where you need this expression, so it is appropriate to use the Condition (expression) option.	Get help
Condition (when rule)	Required if a when rule returns true	Age 30 Cosigner information Age 18 Cosigner* information	You reference a when rule, when age is less than 21, so that when a customer applies for a credit card, if the customer is less than 21 years of age, the Cosigner information field is required. Otherwise, providing cosigner information is optional	



This Topic is available in the following Module:

• Configuring UI elements v3

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