**Text input field**

**Description**

The Custom Text Box Widget is an advanced solution designed to address the limitations of the default text box widget in Mendix applications. It offers enhanced functionality and validation options while ensuring that other microflows and events on the page are not blocked. With this widget, developers can create intuitive and user-friendly text input fields with ease.

**Typical usage scenario**

When the user wants to use the text boxes for data type string, integer and decimal in a single form page and after giving invalid input for any one text field,

then other custom validations added to other text boxes won't work until and unless the user gives valid input in that text in this type of cases user can use our custom text box widget to avoid such cases.

**PreRequisites**

NA

**Features and limitations**

This Text Box checks validation for the given user input and and doesn’t block other custom validations or microflows even user gives invalid input for the current text

field.

**Dependencies**

1. Require Mendix 8.0.0 or above.

**Installation**

Drag and drop the custom text box widget onto your Mendix page.  
Configure the following properties in the widget's property pane:  
  
**Attribute:** Select the attribute that will be bound to the text box widget. This attribute will store the user's input.  
  
**Attribute Type:** Choose the appropriate type for the selected attribute. The available options include text, integer, decimal, and date.

**Label:** (Optional) Enter the text that will be displayed as the label for the text box widget.  
  
**Editability:** Determine whether the text box is editable or read-only. If set to read-only, users will not be able to modify the text box value.  
  
**Visibility:** Define the visibility condition for the text box widget. You can set it to be visible or invisible based on a Boolean expression.  
  
**Events**: Configure the following events for the custom text box widget:  
  
**On Change**: Specify the action or nanoflow that will be triggered when the user changes the value in the text box.

**How It Works**  
The custom text box widget utilizes a custom microflow and event handling mechanism to ensure that validation does not block other microflows or events on the page. Here's an overview of how it works:  
  
When the user enters text into the custom text box widget, the widget triggers an "on change" and “on Blur” event.  
The "on change" and “on Blur” event performs the validation based on the selected attribute type and validation constraints.  
If the validation succeeds, the setValue() property updates the attribute value with the user's input.  
If the validation fails, it displays the specified error message and does not update the attribute value.  
Other microflows and events on the page continue to execute regardless of the validation result.

**Conclusion**The custom text box widget provides an improved text input solution that prevents validation from interfering with other microflows or events on the page. By allowing users to select the attribute and attribute type, it offers more tailored validation options.

* This TextBox checks validation for the given user input and and doesn’t block other custom validations or microflows even user gives invalid input for the current text field.

**Configuration: NA**

**Category: Module**

**Subcategory: All**

**Visibility: Public Marketplace**

**Studio Pro Version: 8.0.0**