TritiumDataForm

Generate a labeled editor for a .NET object, validate it, and commit or cancel the edits.

Install

TritiumDataForm is part of Tritium UI for .NET MAUI. Add the package source from your license to your NuGet configuration, then restore from there. These packages are not on the public NuGet Gallery.

The URL below is a placeholder. Replace it with the package source on your license. This site does not publish that URL.

```
<?xml version="1.0" encoding="utf-8"?>
<configuration>
  <packageSources>
    <add key="TritiumApps" value="FEED_URL_FROM_YOUR_LICENSE" />
  </packageSources>
</configuration>
```

Reference the package on your license that includes TritiumDataForm.

Platforms

Android, iOS, Mac Catalyst, and Windows 10 version 19041 and later (.NET 10 MAUI).

Basic example

Declare this namespace on the page.

```
xmlns:form="clr-namespace:Tritium.Maui.DataForm;assembly=Tritium.Maui.DataForm"
<form:TritiumDataForm x:Name="ContactForm"
                      DataObject="{Binding Contact}"
                      ValidationMode="PropertyChanged" />
```

Features

• Point DataObject at a POCO and let the form build one editor per public property.
• Use a masked entry for masked strings, a numeric entry for numbers, a switch for bool, a date picker for DateTime and DateOnly, and a combo box for enums.
• Name, order, group, or hide fields with DataFormDisplay, and attach a mask with DataFormMasked.
• Validate with the standard .NET validation attributes, including Required and Range.
• Run validation when a field changes, when it loses focus, or only when you call Validate.
• Replace or cancel an editor in GeneratingEditor before it is shown.
• Commit succeeds only when validation passes. Cancel restores the object to the values from the last load or successful commit and rebuilds the editors.
• Turn the whole form read-only, and opt in to haptic or sound feedback on the editors.

Main API

• **DataObject.** The object whose public properties become fields.

• **ValidationMode.** LostFocus, PropertyChanged, or Manual.
• **GeneratingEditor.** Lets you rename, replace, or skip the editor for one property.
• **Commit.** Validates and raises Committed when the object is valid.

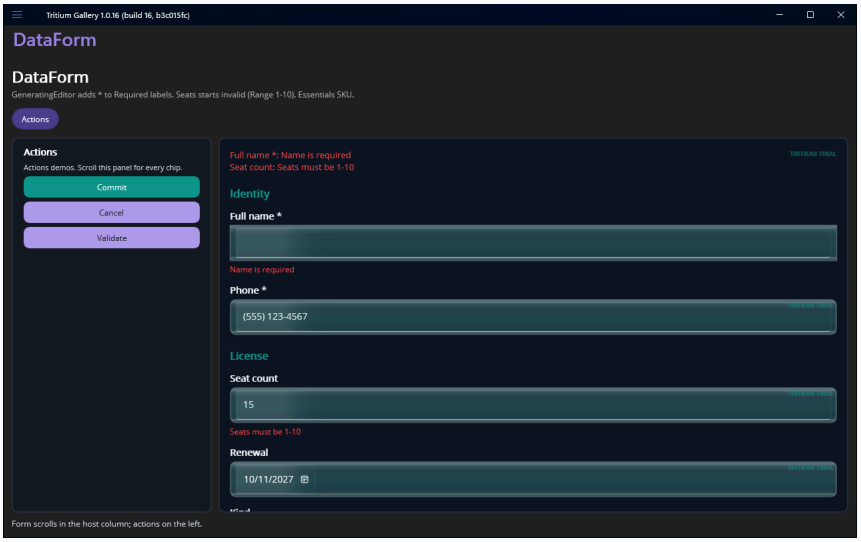
Accessibility

• Give the control a visible name on the page, the same way you label any .NET MAUI view.
• Pick theme colors with a clear difference between the text and the surface behind it. The theme packs do not add a separate contrast mode. The difference comes from the colors you choose.
• Do not use color as the only way to tell two states apart.
• Try the page with the platform screen reader on Android, iOS, Mac Catalyst, and Windows.
• Keyboard access follows the .NET MAUI view. Check the control on each platform you ship.

Tips

• Restore TritiumDataForm from the package source on your license. These packages are not on the public NuGet Gallery.
• Reference the package on your license that includes TritiumDataForm.
• Target frameworks are net10.0-android, net10.0-ios, net10.0-maccatalyst, and net10.0-windows10.0.19041.0. Minimum OS versions are Android 21, iOS 15, Mac Catalyst 15, and Windows 10.0.17763.

Screenshot



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