



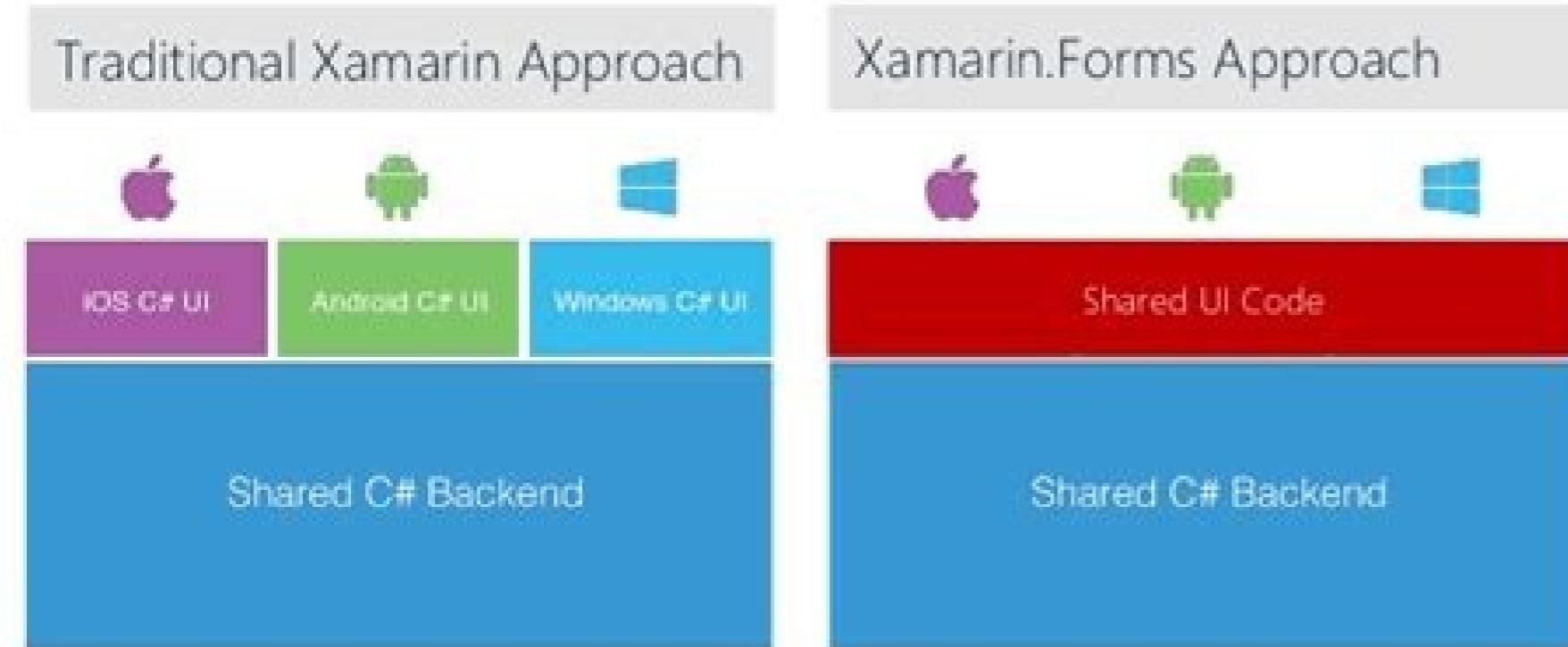
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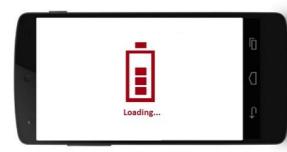
Next

## Custom navigation bar xamarin forms

Xamarin.Forms - Introduction



```
protected override void RegisterTypes()
{
    Container.RegisterTypeForNavigation<LoginPage>();
    Container.RegisterTypeForNavigation<LoginPageViewModel>();
}
```



Xamarin forms create custom navigation bar. Xamarin forms master detail page custom navigation bar. Xamarin forms shell custom navigation bar. Xamarin forms navigation bar custom renderer. Custom navigation bar with controltemplate in xamarin forms. Xamarin forms tabbed page custom navigation bar. Custom bottom navigation bar xamarin forms

Graduation of the text When it comes to the navigation bar on Xamarin forms, it is quite limited what we can do in relation to customization. So when this is usually necessary there are two approaches that people follow: Hide the Xamarin Forms exploration bar and implement a custom using any form design. The problem with this approach could be the handling of the failures caused by transitions especially on Android, when you use the form navigation bar <sup>3</sup> some pages and other <sup>4</sup> no <sup>5</sup>. Implement customization <sup>3</sup> each platform using custom renders. In this article, let's focus on the second. Xamarin Shapes The first thing to do is create .reredneRegaPnoitagivaN motsuc a gnitnemelpmi yb siht elba eb dluohs eW .noitazimotsuc ruo ylppa ot rablooT tapmoCppA eht tog ew diordnA nO diordnA .)gnirts txet dettamrof ruo etaerc ot snaps esu ot <sup>6</sup> Äsu wolla lliw sihT( gnirtSdettamroF epty esu lliw eltitbuSdettamroF Ä& eltiTdettamroF roF .txet eltitbus ruo foÄ Ätrap yreve yllaividni tamrof ot yilibixelf eht su edivorp lliW ÄÄÄc eltitbuSdettamroF .txet eltit ruo fo trap yreve yllaividni tamrof ot yilibixelf eht su edivorp lliW ÄÄÄc ÄeltiTdettamroF txet eltitbus nialp a tes ot ytreporP ÄÄÄc eltitbuS :seitreporp gniwollof eht dda sÄÄÄctel siht edivorp oT .troppus txet dettamrof dna eltitbus a gnivah yb yilibixelf emos troppus ot egaPmotsuC a etaerc sÄÄÄctel ,oslA .rab eht rof ytrepcap eht steS/steGÄ ÄÄÄÄc ytreporPyticapOdnuorgkcaBraB .rab eht fo mottob eht rof wodahs eht steS/steGÄ ÄÄÄÄc ytreporPwodahSsaH .theidarg dnuorgkcab rab eht rof noitcerid eht steS/steGÄ ÄÄÄÄc ytreporPnoitceriDtneidarG .rab noitagivan eht rof dnuorgkcab sroloc tneidarg eht steS/steGÄ ÄÄÄÄc ÄytreporsroloCtneidarG .rab noitagivan eht rof dnuorgkcab eht steS/steGÄ ÄÄÄÄc ÄytreporsdnuorgkcaBraB .weiv eltit eht rof htdiw redrob eht steS/steGÄ ÄÄÄÄc ÄytreporsPhtdiWredroBeltiT .weiv eltit eht rof roloc redrob eht steS/steGÄ ÄÄÄÄc ÄytreporsProloCcliFeltiT .weiv eltit eht rof sudar redrob eht steS/steGÄ ÄÄÄÄc ÄytreporsPsuidaRrenroCredroBeltiT .weiv eltit eht rof nigram eht steS/steGÄ ÄÄÄÄc ÄytreporsPnigraMeltiT .weiv eltit eht rof gniddap eht steS/steGÄ ÄÄÄÄc ÄytreporsPgniddaPeltiT .txet eltitbus eht rof tnof eht steS/steGÄ ÄÄÄÄc ÄytreporsPtnoFeltitbuS .txet eltit eht rof tnof eht steS/steGÄ ÄÄÄÄc ÄytreporsPtnoFeltiT .weiv eltit eht rof dnuorgkcab eht steS/steGÄ ÄÄÄÄc ytreporPdnuorgkcaBeltiT .)dnE ro retneC ,tratS( eltit ruo rof noitisop eht tes/teg lliw ytreporp sihT ÄÄÄÄc ytreporPnoitisoPeltiT .noitazimotsuc artxe eveihca ot seitreporp dehcatta emos dda dna ssalc egaPnoitagivaNÄ Äeht morf sdnetxe taht Be sure to add [assembly: ExportRenderer(typeof(CustomNavigationPage), typeof(CustomNavigationPageRenderer)) to your custom renderer. The next step will be to create a new class called CustomNavigationPageRenderer and extends from NavigationPageRenderer. After that, we will overwrite the OnViewAdded method to detect when adding the toolbar. We create a FrameLayout with a LinearLayout inside that contains a title and a TextView subtitle. Linear design represents the title view as a whole (title and subtitle). We subscribe to the ChildViewAdded toolbar event to listen when Xamarin Forms adds the default side text view of the toolbar so that we can hide it and show only ours with the customization desired for the current page. Also to the PropertyChanged event page to listen to the attached property changes. When you annul SetupPageTransition, we can configure the correct customization when a page opens or pushes. When you press, we first stop listening to the previous PropertyChanged event page and start listening to the new PropertyChanged event page. Finally, apply the current appropriate customization for the browsing page. When it appears, we stop listening to the current PropertyChanged event page, we listen to the previous PropertyChanged based on the attached properties: Title Position To position our title layout we adjust the gravity of all our views to the value specified in CustomNavigationPage.GetTitlePositionÂ for the current page shown. Title Fund We set the name of the title design looking for the resource identifier for the name specified in CustomNavigationPage.GetTitleBackground for the current page. Title " Subtitle Source XamarinFont has an extension for Android ToTypeface () that gives it the native source equivalent to the source we set in Forms. Formatted Text To configure formatted string text, Forms has a fairly practical extension returns the equivalent of formatted text for Android native platform. Title Wedding and Margin We put the fill in our title view design and apply the margin to the design parameters of this design. Title Fill " Border Color, Corner Radius and Width We use a method called CreateShape to create a GradientDrawable that allows us to set the title fill, border color, radius and width by setting this box at the bottom of the title view. Bar Background, Opacity, Gradient Colors, and Direction For the background of the toolbar, we set the background to CustomNavigationPage.GetBarBackground, which is the name of the drawable to set as background. Opacity (0-1) is set by using CustomNavigationPage.GetBarBackgroundOpacity which is a value from 0 to 1, so we multiply by 255 to set the bar bottom alpha. In the case of the background gradient of the bar we use a drawable gradient to set the gradient colors and address based on CustomNavigationPage.GetGradientColors and CustomNavigationPage.GetGradientDirection values. Bar Shadow To set the shadow we find the FrameLayout in the Window DecorView activity to set a GradientDrawable with the colors of the shadow. We also set the right elevation of the toolbar to achieve the shadow effect iOS In iOS we got the UINavigationBar that we can apply our customization to specific pages using a customized PageRenderer. The reason we don't use a NavigationPageRenderer as in Android is because of the lifecycle of iOS view controllers, we need to do the customization after the view controller is loaded and will appear on the screen. Doing it with a browser page renderer may be too late or too early as we don't have comments about the events vision controller, so we won't have the behavior we expect. NOTE: Be sure to add [assembly: ExportRenderer(typeof(ContentPage), typeof(CustomPageRenderer))] to your Personalized Render. As you can see here we will apply the renderer to all pages of the application, if yesyou want to apply it to a single page make sure to create a new ContentPage class in your Forms project and use that type in the ExportRenderer type. The next step will be to create a new class called CustomPageRenderer and extend from PageRenderer. After that, let's override the ViewDidLoad method to create our custom navigation bar view there and also start listening to PropertyChanged events on this page so that we can adapt the customization when any property changes. That will be a UIView container with another UIView to handle the margins inside and then our UIView containing two UILabels one for the title and one for the subtitle. Then we overwrite ViewWillAppear to configure our customization of the navigation bar, we also need to consider doing this if the device is rotated or the layout changes happen a nice ViewDidLayoutSubviews. We also establish the position of the title in each of these methods. SetupNavBar is the method that does the magic of customization in iOS, as it is responsible for configuring all the customization that was set in the CustomNavigationPage attachment properties and also sets our custom title view in ParentViewController.TitleView. Position of the title, fill and margin To set the position of the title, fill and margin, we basically calculate the correct Frame for the parameters set taking into account the position, fill, margin and size of the text as well. Title & Subtitle Font Xamarin Forms Font has an iOS ToUIFont () extension that gives you the native font equivalent to the one we have configured in Forms. To configure formatted string text, Forms has a fairly handy extension method - ToAttributed () is available in a FormattedString type that returns the equivalent formatted text for the native iOS platform. Bottom bar, Opacity, of gradient and direction We set the opacity by setting the NavigationController.NavigationBar.Alpha to our CustomNavigationPage.GetBarBackgroundOpacity. In addition, if CustomNavigationPage.GetBarBackground is established, we charge the UIImage with this name! Noitazimotsuc! 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