On Sale - Мобильное приложение, часть I

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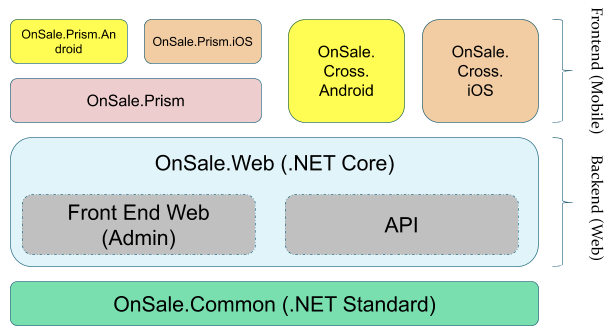
# 

# Матрица функциональности

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Функциональность** | **Web** | | | **App** |
| **Admin** | **User** | **User** | |
| Login | X | X | X | |
| Зарегистрируйтесь как пользователь |  | X | X | |
| Изменить профиль | X | X | X | |
| Запомнить пароль | X | X | X | |
| Управляйте администраторами | X |  |  | |
| Управляйте странами, отделами, городами | X |  |  | |
| Управление продуктами | X |  |  | |
| Просмотр и поиск продуктов |  | X | X | |
| Добавить товары в корзину |  | X | X | |
| Подтвердите заказ |  | X | X | |
| Управлять заказами | X |  |  | |
| Посмотреть статус моих заказов |  | X | X | |

# 

# Архитектура



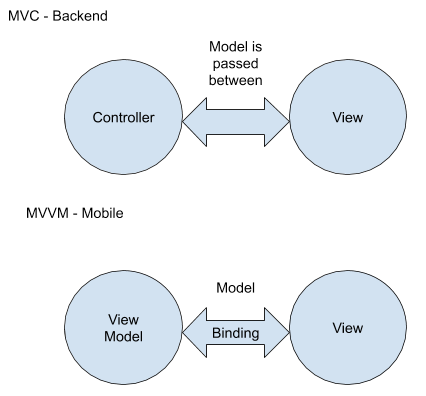
# 

# Создание приложения Xamarin Forms + Prism

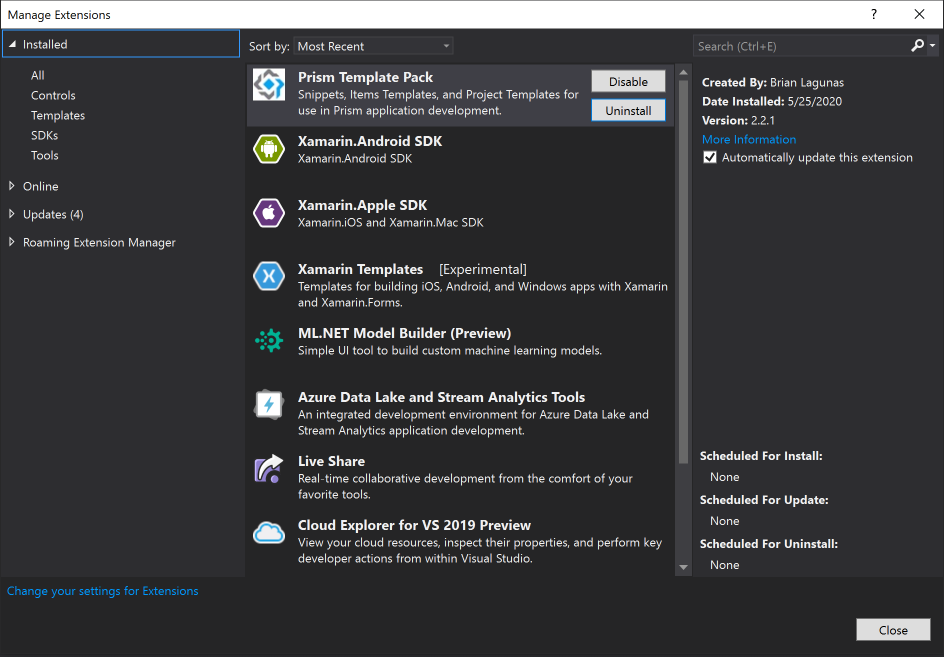
Мы собираемся создать этот первый экран:

|  |  |
| --- | --- |
| Android | iOS |

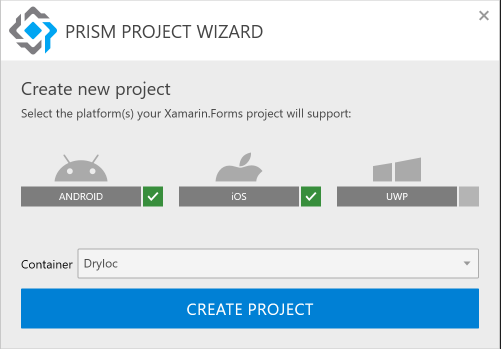
Но сначала давайте немного разберемся, как мы будем работать:



1. Первое, что вам нужно сделать, это убедиться, что в вашей Visual Studio установлены шаблоны Prism:



1. Мы создаем новый проект приложения **Prism Blank (Xamarin.Forms)** и называем его **OnSale.Prism:**



1. Проверяем, что проект запущен “**Welcome to Xamarin Forms and Prism**”
2. Обновляем пакеты Nuget до последних версий в мобильных проектах.
3. Добавьте nuget **Xamarin.FFImageLoading.Forms** в мобильные проекты.
4. Установите **Xamarin.FFImageLoading.Forms** в Android:

global::Xamarin.Forms.Forms.Init(this, bundle);

FFImageLoading.Forms.Platform.CachedImageRenderer.Init(true);

LoadApplication(new App(new AndroidInitializer()));

1. Запустите **Xamarin.FFImageLoading.Forms** в iO:

global::Xamarin.Forms.Forms.Init();

FFImageLoading.Forms.Platform.CachedImageRenderer.Init();

LoadApplication(new App(new iOSInitializer()));

1. Добавьте значок **ic\_more\_vert.png** (<https://romannurik.github.io/AndroidAssetStudio/index.html>). Для проекта Android в разделе "**Resources/drawable**" и для iOS в разделе "**Resources**"..
2. В проекте **Common** создайте папку **Responses** и в ней класс **Response**:

public class Response

{

public bool IsSuccess { get; set; }

public string Message { get; set; }

public object Result { get; set; }

}

1. В проекте **Common** создайте папку **Services**, в которой вы создадите интерфейс: **IApiService**:

public interface IApiService

{

Task<Response> GetListAsync<T>(string urlBase, string servicePrefix, string controller);

}

1. Продолжаем реализацию интерфейса в **ApiService**:

public class ApiService : IApiService

{

public async Task<Response> GetListAsync<T>(

string urlBase,

string servicePrefix,

string controller)

{

try

{

HttpClient client = new HttpClient

{

BaseAddress = new Uri(urlBase),

};

string url = $"{servicePrefix}{controller}";

HttpResponseMessage response = await client.GetAsync(url);

string result = await response.Content.ReadAsStringAsync();

if (!response.IsSuccessStatusCode)

{

return new Response

{

IsSuccess = false,

Message = result,

};

}

List<T> list = JsonConvert.DeserializeObject<List<T>>(result);

return new Response

{

IsSuccess = true,

Result = list

};

}

catch (Exception ex)

{

return new Response

{

IsSuccess = false,

Message = ex.Message

};

}

}

}

1. Добавляем инъекцию сервиса, созданного в **App.xaml.cs:**

protected override void RegisterTypes(IContainerRegistry containerRegistry)

{

containerRegistry.RegisterSingleton<IAppInfo, AppInfoImplementation>();

containerRegistry.Register<IApiService, ApiService>();

containerRegistry.RegisterForNavigation<NavigationPage>();

containerRegistry.RegisterForNavigation<MainPage, MainPageViewModel>();

}

1. Исправьте путь, который мы оставили на изображениях в ожидании:

[Display(Name = "Image")]

public string ImageFullPath => ImageId == Guid.Empty

? $"https://onsalezulu.azurewebsites.net/images/noimage.png"

: $"https://onsale.blob.core.windows.net/users/{ImageId}";

1. Мы добавляем словарь ресурсов, чтобы поместить URL-адрес нашей службы в **App.xaml**:

<?xml version="1.0" encoding="utf-8" ?>

<prism:PrismApplication xmlns="http://xamarin.com/schemas/2014/forms"

xmlns:x="http://schemas.microsoft.com/winfx/2009/xaml"

xmlns:prism="http://prismlibrary.com"

x:Class="OnSale.Prism.App">

<Application.Resources>

<ResourceDictionary>

<!-- Parameters -->

<x:String x:Key="UrlAPI">https://onsalezulu.azurewebsites.net</x:String>

</ResourceDictionary>

</Application.Resources>

</prism:PrismApplication>

1. Добавить **ProductsPage**:

<?xml version="1.0" encoding="utf-8" ?>

<ContentPage xmlns="http://xamarin.com/schemas/2014/forms"

xmlns:x="http://schemas.microsoft.com/winfx/2009/xaml"

xmlns:prism="http://prismlibrary.com"

prism:ViewModelLocator.AutowireViewModel="True"

xmlns:ffimageloading="clr-namespace:FFImageLoading.Forms;assembly=FFImageLoading.Forms"

x:Class="OnSale.Prism.Views.ProductsPage"

Title="{Binding Title}">

<StackLayout Padding="5">

<CollectionView ItemsSource="{Binding Products}">

<CollectionView.ItemsLayout>

<GridItemsLayout Orientation="Vertical"/>

</CollectionView.ItemsLayout>

<CollectionView.ItemTemplate>

<DataTemplate>

<Grid>

<Grid.ColumnDefinitions>

<ColumnDefinition Width="Auto" />

<ColumnDefinition Width="\*" />

<ColumnDefinition Width="Auto" />

</Grid.ColumnDefinitions>

<ffimageloading:CachedImage Grid.Column="0"

Aspect="AspectFill"

Source="{Binding ImageFullPath}"

CacheDuration= "50"

Margin="5"

RetryCount= "3"

RetryDelay= "600"

WidthRequest="100"/>

<StackLayout Grid.Column="1"

VerticalOptions="Center">

<Label Text="{Binding Name}"

FontAttributes="Bold"

FontSize="Medium"

LineBreakMode="TailTruncation" />

<Label Text="{Binding Price, StringFormat='{0:C2}'}"

LineBreakMode="TailTruncation"

FontAttributes="Italic"

VerticalOptions="End" />

</StackLayout>

<Image Grid.Column="2"

Source="ic\_more\_vert"/>

</Grid>

</DataTemplate>

</CollectionView.ItemTemplate>

</CollectionView>

</StackLayout>

</ContentPage>

1. Мы модифицируем **ProductsPageViewModel**:

public class ProductsPageViewModel : ViewModelBase

{

private readonly INavigationService \_navigationService;

private readonly IApiService \_apiService;

private ObservableCollection<Product> \_products;

public ProductsPageViewModel(INavigationService navigationService, IApiService apiService) : base(navigationService)

{

\_navigationService = navigationService;

\_apiService = apiService;

Title = "Products";

LoadProductsAsync();

}

public ObservableCollection<Product> Products

{

get => \_products;

set => SetProperty(ref \_products, value);

}

private async void LoadProductsAsync()

{

if (Connectivity.NetworkAccess != NetworkAccess.Internet)

{

await App.Current.MainPage.DisplayAlert("Error", "Check the internet connection.", "Accept");

return;

}

string url = App.Current.Resources["UrlAPI"].ToString();

Response response = await \_apiService.GetListAsync<Product>(

url,

"/api",

"/Products");

if (!response.IsSuccess)

{

await App.Current.MainPage.DisplayAlert(

"Error",

response.Message,

"Accept");

return;

}

List<Product> myProducts = (List<Product>)response.Result;

Products = new ObservableCollection<Product>(myProducts);

}

}

1. Мы модифицируем домашнюю страницу так, чтобы она начиналась с **ProductsPage**, для этого мы модифицируем **App.xaml.cs**:

protected override async void OnInitialized()

{

InitializeComponent();

await NavigationService.NavigateAsync($"NavigationPage/{nameof(ProductsPage)}");

}

1. Мы модифицируем **AndroidedManifest** в Android, чтобы запросить у ОС разрешение на проверку состояния подключения к Интернету:

<?xml version="1.0" encoding="utf-8"?>

<manifest xmlns:android="http://schemas.android.com/apk/res/android" android:versionCode="1" android:versionName="1.0" package="com.companyname.appname" android:installLocation="auto">

<uses-sdk android:minSdkVersion="21" android:targetSdkVersion="29" />

<uses-permission android:name="android.permission.INTERNET" />

<uses-permission android:name="android.permission.ACCESS\_NETWORK\_STATE" />

<application android:label="OnSale.Prism.Android" android:icon="@mipmap/ic\_launcher"></application>

</manifest>

1. Тестируем.

# 

# Увеличьте отображение с помощью индикатора активности и поиска

Мы собираемся внедрить эти улучшения:

|  |  |
| --- | --- |
| Android | iOS |

1. Вы должны сначала получить лицензию Syncfusion на странице <https://www.syncfusion.com/account/downloads>.
2. Добавьте **NuGet** **Syncfusion.Xamarin.SfBusyIndicator** во все мобильные проекты..
3. Добавьте свою лицензию в **App.xaml.cs:**

protected override async void OnInitialized()

{

SyncfusionLicenseProvider.RegisterLicense("MjExMTY0QDMxMzcyZTM0MmUzMEc1K2xKbkhrV2RmMHByRXF6YUJDQlQ3RkxLZ3hxOVlyMHY0T1RiSUFEZUk9");

InitializeComponent();

await NavigationService.NavigateAsync($"NavigationPage/{nameof(ProductsPage)}");

}

1. Измените **MainActivity**:

global::Xamarin.Forms.Forms.Init(this, bundle);

new SfBusyIndicatorRenderer();

FFImageLoading.Forms.Platform.CachedImageRenderer.Init(true);

LoadApplication(new App(new AndroidInitializer()));

1. Измените **AppDelegate**:

global::Xamarin.Forms.Forms.Init();

FFImageLoading.Forms.Platform.CachedImageRenderer.Init();

new SfBusyIndicatorRenderer();

LoadApplication(new App(new iOSInitializer()));

1. Измените **ProductsPage**:

<?xml version="1.0" encoding="utf-8" ?>

<ContentPage xmlns="http://xamarin.com/schemas/2014/forms"

xmlns:x="http://schemas.microsoft.com/winfx/2009/xaml"

xmlns:prism="http://prismlibrary.com"

prism:ViewModelLocator.AutowireViewModel="True"

xmlns:ffimageloading="clr-namespace:FFImageLoading.Forms;assembly=FFImageLoading.Forms"

xmlns:ios="clr-namespace:Xamarin.Forms.PlatformConfiguration.iOSSpecific;assembly=Xamarin.Forms.Core"

ios:Page.UseSafeArea="true"

xmlns:busyindicator="clr-namespace:Syncfusion.SfBusyIndicator.XForms;assembly=Syncfusion.SfBusyIndicator.XForms"

x:Class="OnSale.Prism.Views.ProductsPage"

Title="{Binding Title}">

<AbsoluteLayout>

<StackLayout AbsoluteLayout.LayoutBounds="0,0,1,1"

AbsoluteLayout.LayoutFlags="All"

Padding="5">

<CollectionView ItemsSource="{Binding Products}">

…

</CollectionView>

</StackLayout>

<busyindicator:SfBusyIndicator AnimationType="Gear"

AbsoluteLayout.LayoutBounds=".5,.5,.5,.5"

AbsoluteLayout.LayoutFlags="All"

BackgroundColor="Silver"

HorizontalOptions="Center"

TextColor="White"

IsBusy="{Binding IsRunning}"

Title="Loading..."

VerticalOptions="Center"

ViewBoxWidth="80"

ViewBoxHeight="80" />

</AbsoluteLayout>

</ContentPage>

1. Измените **ProductsPageViewModel**:

private readonly INavigationService \_navigationService;

private readonly IApiService \_apiService;

private ObservableCollection<Product> \_products;

private bool \_isRunning;

public ProductsPageViewModel(INavigationService navigationService, IApiService apiService) : base(navigationService)

{

\_navigationService = navigationService;

\_apiService = apiService;

Title = "Products";

LoadProductsAsync();

}

public bool IsRunning

{

get => \_isRunning;

set => SetProperty(ref \_isRunning, value);

}

public ObservableCollection<Product> Products

{

get => \_products;

set => SetProperty(ref \_products, value);

}

private async void LoadProductsAsync()

{

if (Connectivity.NetworkAccess != NetworkAccess.Internet)

{

await App.Current.MainPage.DisplayAlert("Error", "Check the internet connection.", "Accept");

return;

}

IsRunning = true;

string url = App.Current.Resources["UrlAPI"].ToString();

Response response = await \_apiService.GetListAsync<Product>(

url,

"/api",

"/Products");

IsRunning = false;

if (!response.IsSuccess)

…

1. Тестируем.
2. Теперь переходим к строке поиска. Измените **ProductsPage**:

...

<StackLayout AbsoluteLayout.LayoutBounds="0,0,1,1"

AbsoluteLayout.LayoutFlags="All"

Padding="5">

<SearchBar Placeholder="Search a product..."

SearchCommand="{Binding SearchCommand}"

Text="{Binding Search}"/>

<CollectionView ItemsSource="{Binding Products}">

...

1. Измените **ProductsPageViewModel**:

...

private readonly INavigationService \_navigationService;

private readonly IApiService \_apiService;

private ObservableCollection<Product> \_products;

private bool \_isRunning;

private string \_search;

private List<Product> \_myProducts;

private DelegateCommand \_searchCommand;

...

public DelegateCommand SearchCommand => \_searchCommand ?? (\_searchCommand = new DelegateCommand(ShowProducts));

public string Search

{

get => \_search;

set

{

SetProperty(ref \_search, value);

ShowProducts();

}

}

private async void LoadProductsAsync()

{

...

\_myProducts = (List<Product>)response.Result;

ShowProducts();

}

private void ShowProducts()

{

if (string.IsNullOrEmpty(Search))

{

Products = new ObservableCollection<Product>(\_myProducts);

}

else

{

Products = new ObservableCollection<Product>(\_myProducts

.Where(p => p.Name.ToLower().Contains(Search.ToLower())));

}

}

1. Мы протестировали.

# Перейти на другую страницу

Мы реализуем переход к деталям продукта.

|  |  |
| --- | --- |
| Android | iOS |

# 

1. Мы добавляем **ProductDetailPage** изначально с таким макетом:

<?xml version="1.0" encoding="utf-8" ?>

<ContentPage xmlns="http://xamarin.com/schemas/2014/forms"

xmlns:x="http://schemas.microsoft.com/winfx/2009/xaml"

xmlns:prism="http://prismlibrary.com"

prism:ViewModelLocator.AutowireViewModel="True"

xmlns:ios="clr-namespace:Xamarin.Forms.PlatformConfiguration.iOSSpecific;assembly=Xamarin.Forms.Core"

ios:Page.UseSafeArea="true"

x:Class="OnSale.Prism.Views.ProductDetailPage"

Title="{Binding Title}">

</ContentPage>

1. Измените **ProductDetailPageViewModel** сначала с помощью этого кода:

public class ProductDetailPageViewModel : ViewModelBase

{

public ProductDetailPageViewModel(INavigationService navigationService) : base(navigationService)

{

Title = "Product";

}

}

1. В проекте **Prism** мы добавляем папку **ItemViewModels** и внутри нее класс **ProductItemViewModel**:

public class ProductItemViewModel : Product

{

private readonly INavigationService \_navigationService;

private DelegateCommand \_selectProductCommand;

public ProductItemViewModel(INavigationService navigationService)

{

\_navigationService = navigationService;

}

public DelegateCommand SelectProductCommand => \_selectProductCommand ?? (\_selectProductCommand = new DelegateCommand(SelectProductAsync));

private async void SelectProductAsync()

{

await \_navigationService.NavigateAsync(nameof(ProductDetailPage));

}

}

1. Изменить **ProductsPage**:

...

<Grid>

<Grid.GestureRecognizers>

<TapGestureRecognizer Command="{Binding SelectProductCommand}"/>

</Grid.GestureRecognizers>

<Grid.ColumnDefinitions>

...

1. Изменить **ProductsPageViewModel**:

...

private ObservableCollection<ProductItemViewModel> \_products;

…

public ObservableCollection<ProductItemViewModel> Products

{

get => \_products;

set => SetProperty(ref \_products, value);

}

...

private void ShowProducts()

{

if (string.IsNullOrEmpty(Search))

{

Products = new ObservableCollection<ProductItemViewModel>(\_myProducts.Select(p => new ProductItemViewModel(\_navigationService)

{

Category = p.Category,

Description = p.Description,

Id = p.Id,

IsActive = p.IsActive,

IsStarred = p.IsStarred,

Name = p.Name,

Price = p.Price,

ProductImages = p.ProductImages

})

.ToList());

}

else

{

Products = new ObservableCollection<ProductItemViewModel>(\_myProducts.Select(p => new ProductItemViewModel(\_navigationService)

{

Category = p.Category,

Description = p.Description,

Id = p.Id,

IsActive = p.IsActive,

IsStarred = p.IsStarred,

Name = p.Name,

Price = p.Price,

ProductImages = p.ProductImages

})

.Where(p => p.Name.ToLower().Contains(Search.ToLower()))

.ToList());

}

}

1. Мы протестировали.
2. Теперь мы собираемся передать продукт в качестве параметра. Мы модифицируем **ProductItemViewModel**:

private async void SelectProductAsync()

{

NavigationParameters parameters = new NavigationParameters

{

{ "product", this }

};

await \_navigationService.NavigateAsync(nameof(ProductDetailPage), parameters);

}

1. Изменим **ProductDetailPageViewModel**:

private Product \_product;

public ProductDetailPageViewModel(INavigationService navigationService) : base(navigationService)

{

Title = "Product";

}

public Product Product

{

get => \_product;

set => SetProperty(ref \_product, value);

}

public override void OnNavigatedTo(INavigationParameters parameters)

{

base.OnNavigatedTo(parameters);

if (parameters.ContainsKey("product"))

{

Product = parameters.GetValue<Product>("product");

Title = Product.Name;

}

}

1. Мы протестировали.
2. Мы добавляем **nuget Syncfusion.Xamarin.SfRotator** во все проекты **prism**.
3. Изменим **MainActivity**:

FFImageLoading.Forms.Platform.CachedImageRenderer.Init(true);

new SfBusyIndicatorRenderer();

new SfRotatorRenderer();

LoadApplication(new App(new AndroidInitializer()));

1. Изменим **AppDelegate**:

FFImageLoading.Forms.Platform.CachedImageRenderer.Init();

new SfBusyIndicatorRenderer();

new SfRotatorRenderer();

LoadApplication(new App(new iOSInitializer()));

return base.FinishedLaunching(app, options);

1. Изменим **ProductDetailPage**:

<?xml version="1.0" encoding="utf-8" ?>

<ContentPage xmlns="http://xamarin.com/schemas/2014/forms"

xmlns:x="http://schemas.microsoft.com/winfx/2009/xaml"

xmlns:prism="http://prismlibrary.com"

prism:ViewModelLocator.AutowireViewModel="True"

xmlns:ios="clr-namespace:Xamarin.Forms.PlatformConfiguration.iOSSpecific;assembly=Xamarin.Forms.Core"

ios:Page.UseSafeArea="true"

xmlns:syncfusion="clr-namespace:Syncfusion.SfRotator.XForms;assembly=Syncfusion.SfRotator.XForms"

xmlns:ffimageloading="clr-namespace:FFImageLoading.Forms;assembly=FFImageLoading.Forms"

x:Class="OnSale.Prism.Views.ProductDetailPage"

Title="{Binding Title}">

<StackLayout Padding="5">

<ScrollView>

<StackLayout>

<syncfusion:SfRotator EnableAutoPlay="True"

EnableLooping="True"

HeightRequest="300"

ItemsSource="{Binding Images}"

NavigationDelay="5000"

NavigationDirection="Horizontal"

NavigationStripMode="Thumbnail"

NavigationStripPosition="Bottom">

<syncfusion:SfRotator.ItemTemplate>

<DataTemplate>

<ffimageloading:CachedImage Aspect="AspectFit"

CacheDuration= "50"

DownsampleToViewSize = "true"

ErrorPlaceholder= "ErrorImage"

HeightRequest="300"

LoadingPlaceholder= "LoaderImage"

RetryCount= "3"

RetryDelay= "600"

Source="{Binding ImageFullPath}"/>

</DataTemplate>

</syncfusion:SfRotator.ItemTemplate>

</syncfusion:SfRotator>

<Grid>

<Grid.ColumnDefinitions>

<ColumnDefinition Width="Auto"/>

<ColumnDefinition Width="\*"/>

</Grid.ColumnDefinitions>

<Grid.RowDefinitions>

<RowDefinition Height="Auto"/>

<RowDefinition Height="Auto"/>

<RowDefinition Height="Auto"/>

<RowDefinition Height="Auto"/>

<RowDefinition Height="Auto"/>

</Grid.RowDefinitions>

<Label Grid.Row="0"

Grid.Column="0"

FontAttributes="Bold"

Text="Name"/>

<Label Grid.Row="0"

Grid.Column="1"

Text="{Binding Product.Name}"/>

<Label Grid.Row="1"

Grid.Column="0"

FontAttributes="Bold"

Text="Description"/>

<Label Grid.Row="1"

Grid.Column="1"

Text="{Binding Product.Description}"/>

<Label Grid.Row="2"

Grid.Column="0"

FontAttributes="Bold"

Text="Price"/>

<Label Grid.Row="2"

Grid.Column="1"

Text="{Binding Product.Price, StringFormat='{0:C2}'}"/>

<Label Grid.Row="3"

Grid.Column="0"

FontAttributes="Bold"

Text="Category"/>

<Label Grid.Row="3"

Grid.Column="1"

Text="{Binding Product.Category.Name}"/>

<Label Grid.Row="4"

Grid.Column="0"

FontAttributes="Bold"

Text="Is Starred"

VerticalOptions="Center"/>

<CheckBox Grid.Row="4"

Grid.Column="1"

HorizontalOptions="Start"

IsEnabled="False"

IsChecked="{Binding Product.IsStarred}"/>

</Grid>

</StackLayout>

</ScrollView>

<Button BackgroundColor="Navy"

Command="{Binding AddToCartBinding}"

CornerRadius="10"

Text="Add to cart"

TextColor="White"

VerticalOptions="EndAndExpand"/>

</StackLayout>

</ContentPage>

1. Изменим **ProductDetailPageViewModel**:

…

private ObservableCollection<ProductImage> \_images;

…

public ObservableCollection<ProductImage> Images

{

get => \_images;

set => SetProperty(ref \_images, value);

}

…

public override void OnNavigatedTo(INavigationParameters parameters)

{

base.OnNavigatedTo(parameters);

if (parameters.ContainsKey("product"))

{

Product = parameters.GetValue<Product>("product");

Title = Product.Name;

Images = new ObservableCollection<ProductImage>(Product.ProductImages);

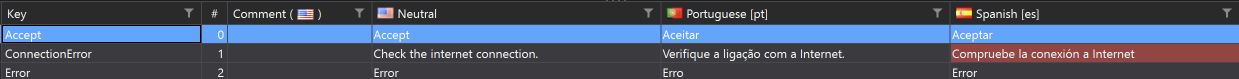
}

}

1. Тестируем.

# Мультиидиома и формы Xamarin

1. Если у вас нет ResX Manager Tool, установите его из: <https://marketplace.visualstudio.com/items?itemName=TomEnglert.ResXManager>
2. В проекте **Prism** создайте папку **Resources** и в ней создайте файлы ресурсов для разных языков.:



**английский**

<data name="Error" xml:space="preserve">

<value>Error</value>

</data>

<data name="ConnectionError" xml:space="preserve">

<value>Check the internet connection.</value>

</data>

<data name="Accept" xml:space="preserve">

<value>Accept</value>

</data>

**Español**

<data name="Error" xml:space="preserve">

<value>Error</value>

</data>

<data name="ConnectionError" xml:space="preserve">

<value>Compruebe la conexión a Internet</value>

</data>

<data name="Accept" xml:space="preserve">

<value>Aceptar</value>

</data>

**Portuguez**

<data name="Error" xml:space="preserve">

<value>Erro</value>

</data>

<data name="Accept" xml:space="preserve">

<value>Aceitar</value>

</data>

<data name="ConnectionError" xml:space="preserve">

<value>Verifique a ligação com a Internet.</value>

</data>

1. В проекте **Common** создайте папку **Helpers**, в ней создайте интерфейс **ILocalize**.

public interface ILocalize

{

CultureInfo GetCurrentCultureInfo();

void SetLocale(CultureInfo ci);

}

1. В проекте **Prism** создайте папку **Helpers**, внутри нее создайте класс **PlatformCulture**

public class PlatformCulture

{

public string PlatformString { get; private set; }

public string LanguageCode { get; private set; }

public string LocaleCode { get; private set; }

public PlatformCulture(string platformCultureString)

{

if (string.IsNullOrEmpty(platformCultureString))

{

throw new ArgumentException("Expected culture identifier", "platformCultureString"); // in C# 6 use nameof(platformCultureString)

}

PlatformString = platformCultureString.Replace("\_", "-"); // .NET expects dash, not underscore

int dashIndex = PlatformString.IndexOf("-", StringComparison.Ordinal);

if (dashIndex > 0)

{

string[] parts = PlatformString.Split('-');

LanguageCode = parts[0];

LocaleCode = parts[1];

}

else

{

LanguageCode = PlatformString;

LocaleCode = "";

}

}

public override string ToString()

{

return PlatformString;

}

}

1. В проекте **Prism** в папке **Helpers** добавьте класс **Languages**:

public static class Languages

{

static Languages()

{

CultureInfo ci = DependencyService.Get<ILocalize>().GetCurrentCultureInfo();

Resource.Culture = ci;

Culture = ci.Name;

DependencyService.Get<ILocalize>().SetLocale(ci);

}

public static string Culture { get; set; }

public static string Accept => Resource.Accept;

public static string ConnectionError => Resource.ConnectionError;

public static string Error => Resource.Error;

}

1. Разверните интерфейс на **iOS** в папке «**Implementations**».

[assembly: Dependency(typeof(OnSale.Prism.iOS.Implementations.Localize))]

namespace OnSale.Prism.iOS.Implementations

{

public class Localize : ILocalize

{

public CultureInfo GetCurrentCultureInfo()

{

string netLanguage = "en";

if (NSLocale.PreferredLanguages.Length > 0)

{

string pref = NSLocale.PreferredLanguages[0];

netLanguage = iOSToDotnetLanguage(pref);

}

// this gets called a lot - try/catch can be expensive so consider caching or something

CultureInfo ci = null;

try

{

ci = new System.Globalization.CultureInfo(netLanguage);

}

catch (CultureNotFoundException)

{

// iOS locale not valid .NET culture (eg. "en-ES" : English in Spain)

// fallback to first characters, in this case "en"

try

{

string fallback = ToDotnetFallbackLanguage(new PlatformCulture(netLanguage));

ci = new CultureInfo(fallback);

}

catch (CultureNotFoundException)

{

// iOS language not valid .NET culture, falling back to English

ci = new CultureInfo("en");

}

}

return ci;

}

public void SetLocale(CultureInfo ci)

{

Thread.CurrentThread.CurrentCulture = ci;

Thread.CurrentThread.CurrentUICulture = ci;

}

private string iOSToDotnetLanguage(string iOSLanguage)

{

string netLanguage = iOSLanguage;

//certain languages need to be converted to CultureInfo equivalent

switch (iOSLanguage)

{

case "ms-MY": // "Malaysian (Malaysia)" not supported .NET culture

case "ms-SG": // "Malaysian (Singapore)" not supported .NET culture

netLanguage = "ms"; // closest supported

break;

case "gsw-CH": // "Schwiizertüütsch (Swiss German)" not supported .NET culture

netLanguage = "de-CH"; // closest supported

break;

// add more application-specific cases here (if required)

// ONLY use cultures that have been tested and known to work

}

return netLanguage;

}

private string ToDotnetFallbackLanguage(PlatformCulture platCulture)

{

string netLanguage = platCulture.LanguageCode; // use the first part of the identifier (two chars, usually);

switch (platCulture.LanguageCode)

{

case "pt":

netLanguage = "pt-PT"; // fallback to Portuguese (Portugal)

break;

case "gsw":

netLanguage = "de-CH"; // equivalent to German (Switzerland) for this app

break;

// add more application-specific cases here (if required)

// ONLY use cultures that have been tested and known to work

}

return netLanguage;

}

}

}

1. Добавьте список языков в **info.plist.**

<key>CFBundleLocalizations</key>

<array>

<string>es</string>

<string>pt</string>

</array>

<key>CFBundleDevelopmentRegion</key>

<string>en</string>

1. Реализуем интерфейс в **Android** в папке **Implementations**.

[assembly: Dependency(typeof(OnSale.Prism.Droid.Implementations.Localize))]

namespace OnSale.Prism.Droid.Implementations

{

public class Localize : ILocalize

{

public CultureInfo GetCurrentCultureInfo()

{

string netLanguage = "en";

Java.Util.Locale androidLocale = Java.Util.Locale.Default;

netLanguage = AndroidToDotnetLanguage(androidLocale.ToString().Replace("\_", "-"));

// this gets called a lot - try/catch can be expensive so consider caching or something

CultureInfo ci = null;

try

{

ci = new CultureInfo(netLanguage);

}

catch (CultureNotFoundException)

{

// iOS locale not valid .NET culture (eg. "en-ES" : English in Spain)

// fallback to first characters, in this case "en"

try

{

string fallback = ToDotnetFallbackLanguage(new PlatformCulture(netLanguage));

ci = new CultureInfo(fallback);

}

catch (CultureNotFoundException)

{

// iOS language not valid .NET culture, falling back to English

ci = new CultureInfo("en");

}

}

return ci;

}

public void SetLocale(CultureInfo ci)

{

Thread.CurrentThread.CurrentCulture = ci;

Thread.CurrentThread.CurrentUICulture = ci;

}

private string AndroidToDotnetLanguage(string androidLanguage)

{

string netLanguage = androidLanguage;

//certain languages need to be converted to CultureInfo equivalent

switch (androidLanguage)

{

case "ms-BN": // "Malaysian (Brunei)" not supported .NET culture

case "ms-MY": // "Malaysian (Malaysia)" not supported .NET culture

case "ms-SG": // "Malaysian (Singapore)" not supported .NET culture

netLanguage = "ms"; // closest supported

break;

case "in-ID": // "Indonesian (Indonesia)" has different code in .NET

netLanguage = "id-ID"; // correct code for .NET

break;

case "gsw-CH": // "Schwiizertüütsch (Swiss German)" not supported .NET culture

netLanguage = "de-CH"; // closest supported

break;

// add more application-specific cases here (if required)

// ONLY use cultures that have been tested and known to work

}

return netLanguage;

}

private string ToDotnetFallbackLanguage(PlatformCulture platCulture)

{

string netLanguage = platCulture.LanguageCode; // use the first part of the identifier (two chars, usually);

switch (platCulture.LanguageCode)

{

case "gsw":

netLanguage = "de-CH"; // equivalent to German (Switzerland) for this app

break;

// add more application-specific cases here (if required)

// ONLY use cultures that have been tested and known to work

}

return netLanguage;

}

}

}

1. Измените **ProductsPageViewModel**:

private async void LoadProductsAsync()

{

if (Connectivity.NetworkAccess != NetworkAccess.Internet)

{

await App.Current.MainPage.DisplayAlert(Languages.Error, Languages.ConnectionError, Languages.Accept);

return;

}

IsRunning = true;

string url = App.Current.Resources["UrlAPI"].ToString();

Response response = await \_apiService.GetListAsync<Product>(

url,

"/api",

"/Products");

IsRunning = false;

if (!response.IsSuccess)

{

await App.Current.MainPage.DisplayAlert(Languages.Error, response.Message, Languages.Accept);

return;

}

\_myProducts = (List<Product>)response.Result;

ShowProducts();

}

1. Теперь мы собираемся переводить литералы прямо в **XAML**, добавляем класс **TranslateExtension** в папку **Helpers** в проекте **Prism**:

[ContentProperty("Text")]

public class TranslateExtension : IMarkupExtension

{

private readonly CultureInfo ci;

private const string ResourceId = "OnSale.Prism.Resources.Resource";

private static readonly Lazy<ResourceManager> ResMgr =

new Lazy<ResourceManager>(() => new ResourceManager(

ResourceId,

typeof(TranslateExtension).GetTypeInfo().Assembly));

public TranslateExtension()

{

ci = DependencyService.Get<ILocalize>().GetCurrentCultureInfo();

}

public string Text { get; set; }

public object ProvideValue(IServiceProvider serviceProvider)

{

if (Text == null)

{

return "";

}

string translation = ResMgr.Value.GetString(Text, ci);

if (translation == null)

{

#if DEBUG

throw new ArgumentException(

string.Format(

"Key '{0}' was not found in resources '{1}' for culture '{2}'.",

Text, ResourceId, ci.Name), "Text");

#else

translation = Text; // returns the key, which GETS DISPLAYED TO THE USER

#endif

}

return translation;

}

}

1. Дополняем литералы:

**английский**

<data name="Loading" xml:space="preserve">

<value>Loading...</value>

</data>

<data name="SearchProduct" xml:space="preserve">

<value>Search a product...</value>

</data>

<data name="Name" xml:space="preserve">

<value>Name</value>

</data>

<data name="Description" xml:space="preserve">

<value>Description</value>

</data>

<data name="Price" xml:space="preserve">

<value>Price</value>

</data>

<data name="Category" xml:space="preserve">

<value>Category</value>

</data>

<data name="IsStarred" xml:space="preserve">

<value>Is Starred</value>

</data>

<data name="AddToCart" xml:space="preserve">

<value>Add to cart</value>

</data>

<data name="Product" xml:space="preserve">

<value>Product</value>

</data>

<data name="Products" xml:space="preserve">

<value>Products</value>

</data>

**Español**

<data name="Loading" xml:space="preserve">

<value>Cargando...</value>

</data>

<data name="SearchProduct" xml:space="preserve">

<value>Buscar un producto...</value>

</data>

<data name="Name" xml:space="preserve">

<value>Nombre</value>

</data>

<data name="Description" xml:space="preserve">

<value>Descripción</value>

</data>

<data name="Price" xml:space="preserve">

<value>Precio</value>

</data>

<data name="Category" xml:space="preserve">

<value>Categoría</value>

</data>

<data name="IsStarred" xml:space="preserve">

<value>Tiene estrellas</value>

</data>

<data name="AddToCart" xml:space="preserve">

<value>Agregar al carro</value>

</data>

<data name="Product" xml:space="preserve">

<value>Producto</value>

</data>

<data name="Products" xml:space="preserve">

<value>Productos</value>

</data>

**Portuguez**

<data name="SearchProduct" xml:space="preserve">

<value>Pesquisar Produto...</value>

</data>

<data name="Name" xml:space="preserve">

<value>Nome</value>

</data>

<data name="Description" xml:space="preserve">

<value>Descrição</value>

</data>

<data name="Price" xml:space="preserve">

<value>Preço</value>

</data>

<data name="Category" xml:space="preserve">

<value>Categoria</value>

</data>

<data name="IsStarred" xml:space="preserve">

<value>É Estrelado</value>

</data>

<data name="AddToCart" xml:space="preserve">

<value>Adicionar ao carrinho</value>

</data>

<data name="Product" xml:space="preserve">

<value>Produto</value>

</data>

<data name="Products" xml:space="preserve">

<value>Produtos</value>

</data>

1. Добавьте новые литералы в класс **Languages**:

public static string Loading => Resource.Loading;

public static string SearchProduct => Resource.SearchProduct;

public static string Name => Resource.Name;

public static string Description => Resource.Description;

public static string Price => Resource.Price;

public static string Category => Resource.Category;

public static string IsStarred => Resource.IsStarred;

public static string AddToCart => Resource.AddToCart;

public static string Product => Resource.Product;

public static string Products => Resource.Products;

1. Изменим **ProductsPage:**

<?xml version="1.0" encoding="utf-8" ?>

<ContentPage xmlns="http://xamarin.com/schemas/2014/forms"

xmlns:x="http://schemas.microsoft.com/winfx/2009/xaml"

xmlns:prism="http://prismlibrary.com"

prism:ViewModelLocator.AutowireViewModel="True"

xmlns:ffimageloading="clr-namespace:FFImageLoading.Forms;assembly=FFImageLoading.Forms"

xmlns:ios="clr-namespace:Xamarin.Forms.PlatformConfiguration.iOSSpecific;assembly=Xamarin.Forms.Core"

ios:Page.UseSafeArea="true"

xmlns:busyindicator="clr-namespace:Syncfusion.SfBusyIndicator.XForms;assembly=Syncfusion.SfBusyIndicator.XForms"

xmlns:i18n="clr-namespace:OnSale.Prism.Helpers"

x:Class="OnSale.Prism.Views.ProductsPage"

Title="{Binding Title}">

<AbsoluteLayout>

<StackLayout AbsoluteLayout.LayoutBounds="0,0,1,1"

AbsoluteLayout.LayoutFlags="All"

Padding="5">

<SearchBar Placeholder="{i18n:Translate SearchProduct}"

SearchCommand="{Binding SearchCommand}"

Text="{Binding Search}"/>

<CollectionView ItemsSource="{Binding Products}">

<CollectionView.ItemsLayout>

<GridItemsLayout Orientation="Vertical"/>

</CollectionView.ItemsLayout>

<CollectionView.ItemTemplate>

<DataTemplate>

<Grid>

<Grid.GestureRecognizers>

<TapGestureRecognizer Command="{Binding SelectProductCommand}"/>

</Grid.GestureRecognizers>

<Grid.ColumnDefinitions>

<ColumnDefinition Width="Auto" />

<ColumnDefinition Width="\*" />

<ColumnDefinition Width="Auto" />

</Grid.ColumnDefinitions>

<ffimageloading:CachedImage Grid.Column="0"

Aspect="AspectFill"

Source="{Binding ImageFullPath}"

CacheDuration= "50"

Margin="5"

RetryCount= "3"

RetryDelay= "600"

WidthRequest="100"/>

<StackLayout Grid.Column="1"

VerticalOptions="Center">

<Label Text="{Binding Name}"

FontAttributes="Bold"

FontSize="Medium"

LineBreakMode="TailTruncation" />

<Label Text="{Binding Price, StringFormat='{0:C2}'}"

LineBreakMode="TailTruncation"

FontAttributes="Italic"

VerticalOptions="End" />

</StackLayout>

<Image Grid.Column="2"

Source="ic\_more\_vert"/>

</Grid>

</DataTemplate>

</CollectionView.ItemTemplate>

</CollectionView>

</StackLayout>

<busyindicator:SfBusyIndicator AnimationType="Gear"

AbsoluteLayout.LayoutBounds=".5,.5,.5,.5"

AbsoluteLayout.LayoutFlags="All"

BackgroundColor="Silver"

HorizontalOptions="Center"

TextColor="White"

IsBusy="{Binding IsRunning}"

Title="{i18n:Translate Loading}"

VerticalOptions="Center"

ViewBoxWidth="80"

ViewBoxHeight="80" />

</AbsoluteLayout>

</ContentPage>

1. Изменим **ProductDetailPage:**

<?xml version="1.0" encoding="utf-8" ?>

<ContentPage xmlns="http://xamarin.com/schemas/2014/forms"

xmlns:x="http://schemas.microsoft.com/winfx/2009/xaml"

xmlns:prism="http://prismlibrary.com"

prism:ViewModelLocator.AutowireViewModel="True"

xmlns:ios="clr-namespace:Xamarin.Forms.PlatformConfiguration.iOSSpecific;assembly=Xamarin.Forms.Core"

ios:Page.UseSafeArea="true"

xmlns:syncfusion="clr-namespace:Syncfusion.SfRotator.XForms;assembly=Syncfusion.SfRotator.XForms"

xmlns:ffimageloading="clr-namespace:FFImageLoading.Forms;assembly=FFImageLoading.Forms"

xmlns:i18n="clr-namespace:OnSale.Prism.Helpers"

x:Class="OnSale.Prism.Views.ProductDetailPage"

Title="{Binding Title}">

<StackLayout Padding="5">

<ScrollView>

<StackLayout>

<syncfusion:SfRotator EnableAutoPlay="True"

EnableLooping="True"

HeightRequest="300"

ItemsSource="{Binding Images}"

NavigationDelay="5000"

NavigationDirection="Horizontal"

NavigationStripMode="Thumbnail"

NavigationStripPosition="Bottom">

<syncfusion:SfRotator.ItemTemplate>

<DataTemplate>

<ffimageloading:CachedImage Aspect="AspectFit"

CacheDuration= "50"

DownsampleToViewSize = "true"

ErrorPlaceholder= "ErrorImage"

HeightRequest="300"

LoadingPlaceholder= "LoaderImage"

RetryCount= "3"

RetryDelay= "600"

Source="{Binding ImageFullPath}"/>

</DataTemplate>

</syncfusion:SfRotator.ItemTemplate>

</syncfusion:SfRotator>

<Grid>

<Grid.ColumnDefinitions>

<ColumnDefinition Width="Auto"/>

<ColumnDefinition Width="\*"/>

</Grid.ColumnDefinitions>

<Grid.RowDefinitions>

<RowDefinition Height="Auto"/>

<RowDefinition Height="Auto"/>

<RowDefinition Height="Auto"/>

<RowDefinition Height="Auto"/>

<RowDefinition Height="Auto"/>

</Grid.RowDefinitions>

<Label Grid.Row="0"

Grid.Column="0"

FontAttributes="Bold"

Text="{i18n:Translate Name}"/>

<Label Grid.Row="0"

Grid.Column="1"

Text="{Binding Product.Name}"/>

<Label Grid.Row="1"

Grid.Column="0"

FontAttributes="Bold"

Text="{i18n:Translate Description}"/>

<Label Grid.Row="1"

Grid.Column="1"

Text="{Binding Product.Description}"/>

<Label Grid.Row="2"

Grid.Column="0"

FontAttributes="Bold"

Text="{i18n:Translate Price}"/>

<Label Grid.Row="2"

Grid.Column="1"

Text="{Binding Product.Price, StringFormat='{0:C2}'}"/>

<Label Grid.Row="3"

Grid.Column="0"

FontAttributes="Bold"

Text="{i18n:Translate Category}"/>

<Label Grid.Row="3"

Grid.Column="1"

Text="{Binding Product.Category.Name}"/>

<Label Grid.Row="4"

Grid.Column="0"

FontAttributes="Bold"

Text="{i18n:Translate IsStarred}"

VerticalOptions="Center"/>

<CheckBox Grid.Row="4"

Grid.Column="1"

HorizontalOptions="Start"

IsEnabled="False"

IsChecked="{Binding Product.IsStarred}"/>

</Grid>

</StackLayout>

</ScrollView>

<Button BackgroundColor="Navy"

Command="{Binding AddToCartBinding}"

CornerRadius="10"

Text="{i18n:Translate AddToCart}"

TextColor="White"

VerticalOptions="EndAndExpand"/>

</StackLayout>

</ContentPage>

1. Изменим **ProductsPageViewModel**:

public ProductsPageViewModel(INavigationService navigationService, IApiService apiService) : base(navigationService)

{

\_navigationService = navigationService;

\_apiService = apiService;

Title = Languages.Products;

LoadProductsAsync();

}

1. Изменим **ProductDetailPageViewModel**:

public ProductDetailPageViewModel(INavigationService navigationService) : base(navigationService)

{

Title = Languages.Product;

}

1. Тестируем.

Добавление цветов и стилей

Как хорошие разработчики мы ужасно умеем сочетать цвета. Я рекомендую эту страницу, чтобы найти сочетания цветов, одобренные профессионалами.: <https://color.adobe.com/es/explore>

В моем случае я выбираю эти цвета, и мы даем каждому цвету свою роль.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Color Background / Color Font Inverse | Color Secondary | Color Primary | Color Danger / Color Accent | Color Font |



Цвет может иметь несколько ролей.

1. Добавляем эти цвета в словарь ресурсов:

<ResourceDictionary>

<!-- Parameters -->

<x:String x:Key="UrlAPI">https://onsaleprepweb.azurewebsites.net</x:String>

<!-- Colors -->

<Color x:Key="ColorBackground">#D9D9D9</Color>

<Color x:Key="ColorPrimary">#3E518C</Color>

<Color x:Key="ColorSecondary">#8C8C8C</Color>

<Color x:Key="ColorDanger">#73221A</Color>

<Color x:Key="ColorAccent">#73221A</Color>

<Color x:Key="ColorFont">#0D0D0D</Color>

<Color x:Key="ColorFontInverse">#D9D9D9</Color>

</ResourceDictionary>

1. Добавляем это свойство ко всем Pages:

BackgroundColor="{StaticResource ColorBackground}"

1. Модифицируем файл **styles.xml** в **Android**:

<?xml version="1.0" encoding="utf-8" ?>

<resources>

<style name="MainTheme" parent="MainTheme.Base">

</style>

<!-- Base theme applied no matter what API -->

<style name="MainTheme.Base" parent="Theme.AppCompat.Light.DarkActionBar">

<!--If you are using revision 22.1 please use just windowNoTitle. Without android:-->

<item name="windowNoTitle">true</item>

<!--We will be using the toolbar so no need to show ActionBar-->

<item name="windowActionBar">false</item>

<!-- Set theme colors from http://www.google.com/design/spec/style/color.html#color-color-palette -->

<!-- colorPrimary is used for the default action bar background -->

<item name=colorPrimary">#3E518C</item>

<!-- colorPrimaryDark is used for the status bar -->

<item name="colorPrimaryDark">#3E518C</item>

<!-- colorAccent is used as the default value for colorControlActivated

which is used to tint widgets -->

<item name="colorAccent">#73221A</item>

<!-- You can also set colorControlNormal, colorControlActivated

colorControlHighlight and colorSwitchThumbNormal. -->

<item name="windowActionModeOverlay">true</item>

<item name="android:datePickerDialogTheme">@style/AppCompatDialogStyle</item>

</style>

<style name="AppCompatDialogStyle" parent="Theme.AppCompat.Light.Dialog">

<item name="colorAccent">#73221A</item>

</style>

</resources>

1. Мы добавляем эти стили в словарь ресурсов:

<!-- Styles -->

<Style TargetType="Button">

<Setter Property="BackgroundColor" Value="{StaticResource ColorPrimary}" />

<Setter Property="HorizontalOptions" Value="FillAndExpand" />

<Setter Property="TextColor" Value="{StaticResource ColorFontInverse}" />

</Style>

<Style TargetType="Label">

<Setter Property="TextColor" Value="{StaticResource ColorFont}" />

</Style>

<Style x:Key="SecondaryButton" TargetType="Button">

<Setter Property="BackgroundColor" Value="{StaticResource ColorSecondary}" />

</Style>

<Style x:Key="DangerButton" TargetType="Button">

<Setter Property="BackgroundColor" Value="{StaticResource ColorDanger}" />

</Style>

1. Измените **ProductsPage**:

<busyindicator:SfBusyIndicator AnimationType="Gear"

AbsoluteLayout.LayoutBounds=".5,.5,.5,.5"

AbsoluteLayout.LayoutFlags="All"

BackgroundColor="{StaticResource ColorAccent}"

HorizontalOptions="Center"

TextColor="{StaticResource ColorFontInverse}"

IsBusy="{Binding IsRunning}"

Title="{i18n:Translate Loading}"

VerticalOptions="Center"

ViewBoxWidth="80"

ViewBoxHeight="80" />

1. Тестируем.

# Adicionando Icono & Splash

## Android

1. Adicione una imagen para el Splash en la carpeta **drawable**, las dimensiones deben ser: 480 x 800 pixels o su equivalente. Para nuestro ejemplo vamos a usar: **onsale\_splash.png**.
2. Adicione estas líneas a **styles.xml**.

</style>

<style name="Theme.Splash" parent="android:Theme">

<item name="android:windowBackground">@drawable/onsale\_splash</item>

<item name="android:windowNoTitle">true</item>

</style>

</resources>

1. En el proyecto Android adicione el **SplashActivity**.

[Activity(Theme = "@style/Theme.Splash", MainLauncher = true, NoHistory = true)]

public class SplashActivity : Activity

{

protected override void OnCreate(Bundle bundle)

{

base.OnCreate(bundle);

System.Threading.Thread.Sleep(1800);

StartActivity(typeof(MainActivity));

}

}

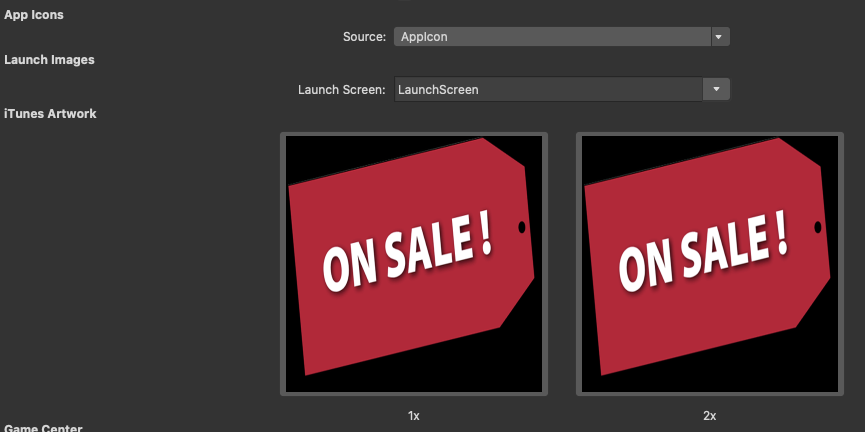
1. Modifique el **MainActivity** para cambiar la propiedad **MainLauncher** a **false**.

[Activity(Label = "On Sale", Icon = "@mipmap/ic\_launcher", Theme = "@style/MainTheme", MainLauncher = false, ConfigurationChanges = ConfigChanges.ScreenSize | ConfigChanges.Orientation)]

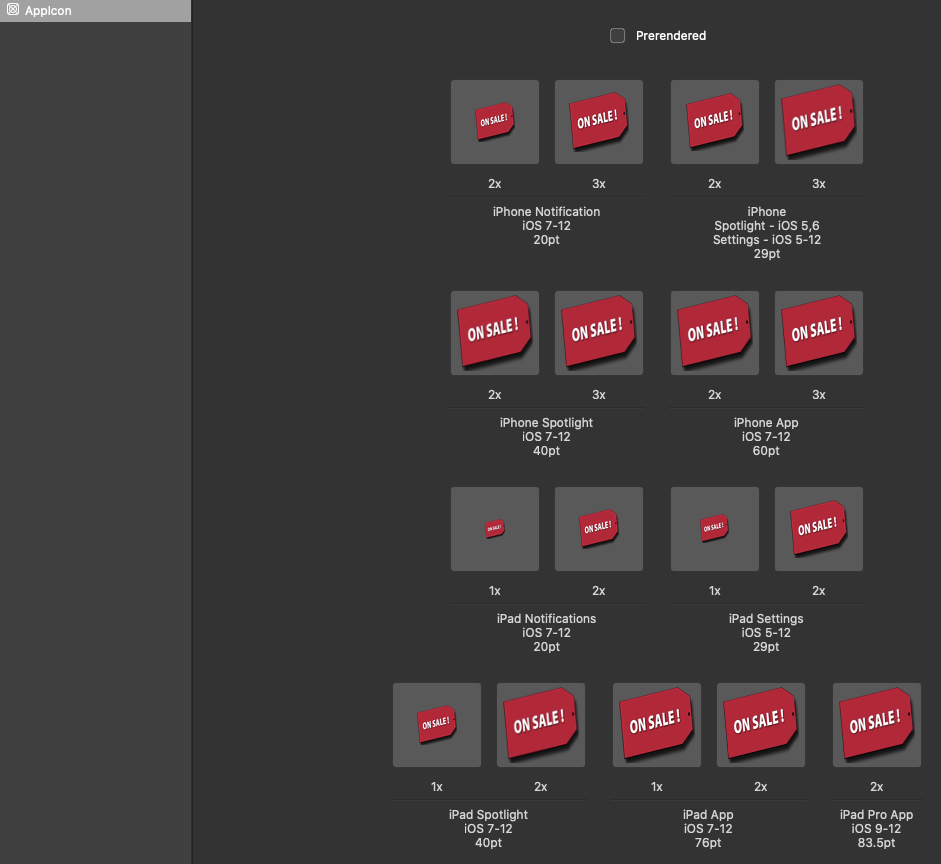
1. Probamos.
2. Ahora vamos a cambiar el ícono de la aplicación. Vamos a <https://romannurik.github.io/AndroidAssetStudio/> y personalizamos el ícono de la aplicación.
3. Cambiamos el nombre de la aplicación en propiedades del proyecto y probamos.

## iOS

1. Agregamos la imagen del Splash en **Resources**.
2. Generamos los íconos en los tamaños de iOS en [https://makeappicon.com](https://makeappicon.com/)
3. Editamos el info.plist y cambiamos el nombre de la aplicación y los íconos para mostrar en tienda, debes de asegurarte que App Icons sea Source: AppIcon:



1. Editamos los **Assets.xcassets** y colocamos los iconos correctos:



1. Probamos.
2. Ahora vamos con el Splash, editamos el **LaunchScreen.storyboard**:



1. En el info.plist colocamos como **Main Interface** al **LaunchScreen**.
2. Probamos.

# 

# Adicionando una master detail

Vamos a implementar un menú a nuestra aplicación

|  |  |
| --- | --- |
| Android | iOS |

# 

1. Agregar los siguientes literales:

**Ingles**

<data name="Login" xml:space="preserve">

<value>Login</value>

</data>

<data name="ModifyUser" xml:space="preserve">

<value>Modify user</value>

</data>

<data name="ShowPurchaseHistory" xml:space="preserve">

<value>Show purchase history</value>

</data>

<data name="ShowShoppingCar" xml:space="preserve">

<value>Show shopping car</value>

</data>

**Español**

<data name="Login" xml:space="preserve">

<value>Iniciar Sesión</value>

</data>

<data name="ModifyUser" xml:space="preserve">

<value>Modificar usuario</value>

</data>

<data name="ShowPurchaseHistory" xml:space="preserve">

<value>Mostrar historial de compras</value>

</data>

<data name="ShowShoppingCar" xml:space="preserve">

<value>Mostrar carro de compras</value>

</data>

**Portuguez**

<data name="Login" xml:space="preserve">

<value>Conecte-se</value>

</data>

<data name="ModifyUser" xml:space="preserve">

<value>Modificar usuário</value>

</data>

<data name="ShowPurchaseHistory" xml:space="preserve">

<value>Mostrar histórico de compras</value>

</data>

<data name="ShowShoppingCar" xml:space="preserve">

<value>Mostrar carro de compras</value>

</data>

1. Modificar **Languages**:

public static string Login => Resource.Login;

public static string ShowShoppingCar => Resource.ShowShoppingCar;

public static string ShowPurchaseHistory => Resource.ShowPurchaseHistory;

public static string ModifyUser => Resource.ModifyUser;

1. En el proyecto **Common** crea la carpeta **Models** y dentro de esta crea la clase **Menu**:

public class Menu

{

public string Icon { get; set; }

public string Title { get; set; }

public string PageName { get; set; }

public bool IsLoginRequired { get; set; }

}

1. Creamos la **LoginPage** inicialmente con este diseño:

<?xml version="1.0" encoding="utf-8" ?>

<ContentPage xmlns="http://xamarin.com/schemas/2014/forms"

xmlns:x="http://schemas.microsoft.com/winfx/2009/xaml"

xmlns:prism="http://prismlibrary.com"

prism:ViewModelLocator.AutowireViewModel="True"

xmlns:ios="clr-namespace:Xamarin.Forms.PlatformConfiguration.iOSSpecific;assembly=Xamarin.Forms.Core"

ios:Page.UseSafeArea="true"

x:Class="OnSale.Prism.Views.LoginPage"

BackgroundColor="{StaticResource ColorBackground}"

Title="{Binding Title}">

</ContentPage>

1. Modificamos la **LoginPageViewModel** por:

public class LoginPageViewModel : ViewModelBase

{

public LoginPageViewModel(INavigationService navigationService) : base(navigationService)

{

Title = Languages.Login;

}

}

1. Adicione el ícono **ic\_action\_menu** para la master detail.
2. Creamos la **OnSaleMasterDetailPage**:

<?xml version="1.0" encoding="utf-8" ?>

<MasterDetailPage xmlns="http://xamarin.com/schemas/2014/forms"

xmlns:x="http://schemas.microsoft.com/winfx/2009/xaml"

xmlns:prism="http://prismlibrary.com"

prism:ViewModelLocator.AutowireViewModel="True"

x:Class="OnSale.Prism.ViewModels.OnSaleMasterDetailPage">

<MasterDetailPage.Master>

<ContentPage BackgroundColor="{StaticResource ColorSecondary}"

IconImageSource="ic\_action\_menu"

Title="Menu">

<ContentPage.Padding>

<OnPlatform x:TypeArguments="Thickness">

<On Platform="Android, UWP">0</On>

<On Platform="iOS">0,20,0,0</On>

</OnPlatform>

</ContentPage.Padding>

<StackLayout Padding="20">

<Image HeightRequest="150"

Source="onsale"/>

<ListView BackgroundColor="Transparent"

ItemsSource="{Binding Menus}"

HasUnevenRows="True"

SeparatorVisibility="None">

<ListView.ItemTemplate>

<DataTemplate>

<ViewCell>

<Grid>

<Grid.GestureRecognizers>

<TapGestureRecognizer Command="{Binding SelectMenuCommand}"/>

</Grid.GestureRecognizers>

<Grid.ColumnDefinitions>

<ColumnDefinition Width="Auto"></ColumnDefinition>

<ColumnDefinition Width="\*"></ColumnDefinition>

</Grid.ColumnDefinitions>

<Image Grid.Column="0"

HeightRequest="32"

Margin="5"

Source="{Binding Icon}"

WidthRequest="32"/>

<Label Grid.Column="1"

FontAttributes="Bold"

VerticalOptions="Center"

Text="{Binding Title}"/>

</Grid>

</ViewCell>

</DataTemplate>

</ListView.ItemTemplate>

</ListView>

</StackLayout>

</ContentPage>

</MasterDetailPage.Master>

</MasterDetailPage>

1. Creamos la **MenuItemViewModel**:

public class MenuItemViewModel : Menu

{

private readonly INavigationService \_navigationService;

private DelegateCommand \_selectMenuCommand;

public MenuItemViewModel(INavigationService navigationService)

{

\_navigationService = navigationService;

}

public DelegateCommand SelectMenuCommand => \_selectMenuCommand ?? (\_selectMenuCommand = new DelegateCommand(SelectMenuAsync));

private async void SelectMenuAsync()

{

await \_navigationService.NavigateAsync($"/{nameof(OnSaleMasterDetailPage)}/NavigationPage/{PageName}");

}

}

1. Adicione las páginas con los layout y las viewmodel básicos: **ShowCarPage**, **ShowHistoryPage**, **ModifyUserPage**
2. Adicione los íconos que aparecen en el menú: **ic\_card\_giftcard**, **ic\_shopping\_cart**, **ic\_history**, **ic\_person**, **ic\_exit\_to\_app**.
3. Modifique la **OnSaleMasterDetailPageViewModel**:

public class OnSaleMasterDetailPageViewModel : ViewModelBase

{

private readonly INavigationService \_navigationService;

public OnSaleMasterDetailPageViewModel(INavigationService navigationService) : base(navigationService)

{

\_navigationService = navigationService;

LoadMenus();

}

public ObservableCollection<MenuItemViewModel> Menus { get; set; }

private void LoadMenus()

{

List<Menu> menus = new List<Menu>

{

new Menu

{

Icon = "ic\_card\_giftcard",

PageName = $"{nameof(ProductsPage)}",

Title = Languages.Products

},

new Menu

{

Icon = "ic\_shopping\_cart",

PageName = $"{nameof(ShowCarPage)}",

Title = Languages.ShowShoppingCar

},

new Menu

{

Icon = "ic\_history",

PageName = $"{nameof(ShowHistoryPage)}",

Title = Languages.ShowPurchaseHistory,

IsLoginRequired = true

},

new Menu

{

Icon = "ic\_person",

PageName = $"{nameof(ModifyUserPage)}",

Title = Languages.ModifyUser,

IsLoginRequired = true

},

new Menu

{

Icon = "ic\_exit\_to\_app",

PageName = $"{nameof(LoginPage)}",

Title = Languages.Login

}

};

Menus = new ObservableCollection<MenuItemViewModel>(

menus.Select(m => new MenuItemViewModel(\_navigationService)

{

Icon = m.Icon,

PageName = m.PageName,

Title = m.Title,

IsLoginRequired = m.IsLoginRequired

}).ToList());

}

}

1. Cambiamos el inicio de la aplicación en el **App.xaml.cs**:

protected override async void OnInitialized()

{

SyncfusionLicenseProvider.RegisterLicense("MzAxMjQ2QDMxMzgyZTMyMmUzMEEwd1VtbUdCVDlHdm1HYjhKNDBUNVk2WE4zdU1DMjFkY3BmNDZ6SXJXM2s9");

InitializeComponent();

await NavigationService.NavigateAsync($"{nameof(OnSaleMasterDetailPage)}/NavigationPage/{nameof(ProductsPage)}");

}

1. Probemos.

# 

# Login

Vamos a implementar la opción de Login.

|  |  |
| --- | --- |
| Android | iOS |

# 

1. Agregamos los siguientes literales:

**Ingles**

<data name="Email" xml:space="preserve">

<value>Email</value>

</data>

<data name="EmailPlaceHolder" xml:space="preserve">

<value>Enter your email...</value>

</data>

<data name="EmailError" xml:space="preserve">

<value>You must enter a valid email.</value>

</data>

<data name="Password" xml:space="preserve">

<value>Password</value>

</data>

<data name="PasswordPlaceHolder" xml:space="preserve">

<value>Enter your password...</value>

</data>

<data name="PasswordError" xml:space="preserve">

<value>You must enter your password.</value>

</data>

<data name="ForgotPassword" xml:space="preserve">

<value>Forgot your password?</value>

</data>

<data name="Register" xml:space="preserve">

<value>Register New User</value>

</data>

<data name="LoginError" xml:space="preserve">

<value>Email or password wrong</value>

</data>

<data name="Logout" xml:space="preserve">

<value>Logout</value>

</data>

**Español**

<data name="Email" xml:space="preserve">

<value>Email</value>

</data>

<data name="EmailPlaceHolder" xml:space="preserve">

<value>Enter your email...</value>

</data>

<data name="EmailError" xml:space="preserve">

<value>You must enter a valid email.</value>

</data>

<data name="Password" xml:space="preserve">

<value>Password</value>

</data>

<data name="PasswordPlaceHolder" xml:space="preserve">

<value>Enter your password...</value>

</data>

<data name="PasswordError" xml:space="preserve">

<value>You must enter your password.</value>

</data>

<data name="ForgotPassword" xml:space="preserve">

<value>Forgot your password?</value>

</data>

<data name="Register" xml:space="preserve">

<value>Register New User</value>

</data>

<data name="LoginError" xml:space="preserve">

<value>Correo electrónico o contraseña incorrectos.</value>

</data>

<data name="Logout" xml:space="preserve">

<value>Cerrar sesión</value>

</data>

**Portuguez**

<data name="Email" xml:space="preserve">

<value>Email</value>

</data>

<data name="EmailPlaceHolder" xml:space="preserve">

<value>Digite seu e-mail...</value>

</data>

<data name="EmailError" xml:space="preserve">

<value>Você deve inserir um e-mail válido.</value>

</data>

<data name="Password" xml:space="preserve">

<value>Senha</value>

</data>

<data name="PasswordPlaceHolder" xml:space="preserve">

<value>Coloque sua senha...</value>

</data>

<data name="PasswordError" xml:space="preserve">

<value>Você deve inserir sua senha.</value>

</data>

<data name="ForgotPassword" xml:space="preserve">

<value>Você esqueceu sua senha?</value>

</data>

<data name="Register" xml:space="preserve">

<value>Registrar Novo Usuário</value>

</data>

<data name="LoginError" xml:space="preserve">

<value>Email ou senha incorretos.</value>

</data>

<data name="Logout" xml:space="preserve">

<value>Fazer logoff</value>

</data>

1. Modificamos **Languages**:

public static string Email => Resource.Email;

public static string EmailError => Resource.EmailError;

public static string EmailPlaceHolder => Resource.EmailPlaceHolder;

public static string Password => Resource.Password;

public static string PasswordError => Resource.PasswordError;

public static string PasswordPlaceHolder => Resource.PasswordPlaceHolder;

public static string ForgotPassword => Resource.ForgotPassword;

public static string LoginError => Resource.LoginError;

public static string Logout => Resource.Logout;

1. Agregamos el Nuget **Syncfusion.Xamarin.Core** a todos los proyectos Prism.
2. Inicializar el renderer para iOS en el **AppDelegate**:

new SfBusyIndicatorRenderer();

new SfRotatorRenderer();

SfTextInputLayoutRenderer.Init();

LoadApplication(new App(new iOSInitializer()));

1. Modificamos la **LoginPage**:

<?xml version="1.0" encoding="utf-8" ?>

<ContentPage xmlns="http://xamarin.com/schemas/2014/forms"

xmlns:x="http://schemas.microsoft.com/winfx/2009/xaml"

xmlns:prism="http://prismlibrary.com"

prism:ViewModelLocator.AutowireViewModel="True"

xmlns:ios="clr-namespace:Xamarin.Forms.PlatformConfiguration.iOSSpecific;assembly=Xamarin.Forms.Core"

ios:Page.UseSafeArea="true"

xmlns:busyindicator="clr-namespace:Syncfusion.SfBusyIndicator.XForms;assembly=Syncfusion.SfBusyIndicator.XForms"

xmlns:i18n="clr-namespace:OnSale.Prism.Helpers"

xmlns:inputLayout="clr-namespace:Syncfusion.XForms.TextInputLayout;assembly=Syncfusion.Core.XForms"

x:Class="OnSale.Prism.Views.LoginPage"

BackgroundColor="{StaticResource ColorBackground}"

Title="{Binding Title}">

<AbsoluteLayout>

<StackLayout AbsoluteLayout.LayoutBounds="0,0,1,1"

AbsoluteLayout.LayoutFlags="All"

Padding="5">

<ScrollView>

<StackLayout>

<Image HeightRequest="150"

Margin="20"

Source="onsale"/>

<StackLayout VerticalOptions="CenterAndExpand">

<inputLayout:SfTextInputLayout Hint="{i18n:Translate Email}"

ContainerType="Outlined">

<Entry Placeholder="{i18n:Translate EmailPlaceHolder}"

Keyboard="Email"

Text="{Binding Email}" />

</inputLayout:SfTextInputLayout>

<inputLayout:SfTextInputLayout Hint="{i18n:Translate Password}"

EnablePasswordVisibilityToggle="true"

ContainerType="Outlined">

<Entry Placeholder="{i18n:Translate PasswordPlaceHolder}"

IsPassword="True"

Text="{Binding Password}" />

</inputLayout:SfTextInputLayout>

</StackLayout>

<Label FontAttributes="Bold"

HorizontalOptions="Center"

Text="{i18n:Translate ForgotPassword}"

TextColor="{StaticResource ColorAccent}"

VerticalOptions="CenterAndExpand">

<Label.GestureRecognizers>

<TapGestureRecognizer Command="{Binding ForgotPasswordCommand}"/>

</Label.GestureRecognizers>

</Label>

</StackLayout>

</ScrollView>

<StackLayout VerticalOptions="EndAndExpand">

<Button Command="{Binding LoginCommand}"

IsEnabled="{Binding IsEnabled}"

Text="{i18n:Translate Login}"/>

<Button Command="{Binding RegisterCommand}"

IsEnabled="{Binding IsEnabled}"

Text="{i18n:Translate Register}"

Style="{StaticResource DangerButton}"/>

</StackLayout>

</StackLayout>

<busyindicator:SfBusyIndicator AnimationType="Gear"

AbsoluteLayout.LayoutBounds=".5,.5,.5,.5"

AbsoluteLayout.LayoutFlags="All"

BackgroundColor="{StaticResource ColorAccent}"

HorizontalOptions="Center"

TextColor="{StaticResource ColorFontInverse}"

IsBusy="{Binding IsRunning}"

Title="{i18n:Translate Loading}"

VerticalOptions="Center"

ViewBoxWidth="80"

ViewBoxHeight="80" />

</AbsoluteLayout>

</ContentPage>

1. Modificamos la **LoginPageViewModel**:

public class LoginPageViewModel : ViewModelBase

{

private bool \_isRunning;

private bool \_isEnabled;

private string \_password;

private DelegateCommand \_loginCommand;

private DelegateCommand \_registerCommand;

private DelegateCommand \_forgotPasswordCommand;

public LoginPageViewModel(INavigationService navigationService) : base(navigationService)

{

Title = Languages.Login;

IsEnabled = true;

}

public DelegateCommand LoginCommand => \_loginCommand ?? (\_loginCommand = new DelegateCommand(LoginAsync));

public DelegateCommand RegisterCommand => \_registerCommand ?? (\_registerCommand = new DelegateCommand(RegisterAsync));

public DelegateCommand ForgotPasswordCommand => \_forgotPasswordCommand ?? (\_forgotPasswordCommand = new DelegateCommand(ForgotPasswordAsync));

public bool IsRunning

{

get => \_isRunning;

set => SetProperty(ref \_isRunning, value);

}

public bool IsEnabled

{

get => \_isEnabled;

set => SetProperty(ref \_isEnabled, value);

}

public string Email { get; set; }

public string Password

{

get => \_password;

set => SetProperty(ref \_password, value);

}

private async void LoginAsync()

{

if (string.IsNullOrEmpty(Email))

{

await App.Current.MainPage.DisplayAlert(

Languages.Error,

Languages.EmailError,

Languages.Accept);

return;

}

if (string.IsNullOrEmpty(Password))

{

await App.Current.MainPage.DisplayAlert(

Languages.Error,

Languages.PasswordError,

Languages.Accept);

return;

}

}

private void ForgotPasswordAsync()

{

//TODO: Pending

}

private void RegisterAsync()

{

//TODO: Pending

}

}

1. Probamos las validaciones básicas. Luego continuamos con la lógica del login, como necesitamos almacenar el usuario logueado vamos a agregar un nuget para almacenar estos valores en persistencia. También vamos a necesitar el método para obtener el token.
2. Adicionamos la clase **TokenRequest** en **Common.Requets**:

public class TokenRequest

{

public string Username { get; set; }

public string Password { get; set; }

}

1. Adicionar la clase **UserResponse** en **Common.Responses**:

public class UserResponse

{

public string Id { get; set; }

public string Email { get; set; }

public string PhoneNumber { get; set; }

public string Document { get; set; }

public string FirstName { get; set; }

public string LastName { get; set; }

public string Address { get; set; }

public Guid ImageId { get; set; }

public string ImageFullPath => ImageId == Guid.Empty

? $"https://onsalezulu.azurewebsites.net/images/noimage.png"

: $"https://onsale.blob.core.windows.net/users/{ImageId}";

public UserType UserType { get; set; }

public City City { get; set; }

public string FullName => $"{FirstName} {LastName}";

public string FullNameWithDocument => $"{FirstName} {LastName} - {Document}";

}

1. Adicionamos la clase **TokenResponse** en **Common**

public class TokenResponse

{

public string Token { get; set; }

public UserResponse User { get; set; }

public DateTime Expiration { get; set; }

public DateTime ExpirationLocal => Expiration.ToLocalTime();

}

1. Adicionamos este método a la interfaz **IApiService**:

Task<Response> GetTokenAsync(string urlBase, string servicePrefix, string controller, TokenRequest request);

1. Adicionamos la implementación en el **ApiService**:

public async Task<Response> GetTokenAsync(string urlBase, string servicePrefix, string controller, TokenRequest request)

{

try

{

string requestString = JsonConvert.SerializeObject(request);

StringContent content = new StringContent(requestString, Encoding.UTF8, "application/json");

HttpClient client = new HttpClient

{

BaseAddress = new Uri(urlBase)

};

string url = $"{servicePrefix}{controller}";

HttpResponseMessage response = await client.PostAsync(url, content);

string result = await response.Content.ReadAsStringAsync();

if (!response.IsSuccessStatusCode)

{

return new Response

{

IsSuccess = false,

Message = result,

};

}

TokenResponse token = JsonConvert.DeserializeObject<TokenResponse>(result);

return new Response

{

IsSuccess = true,

Result = token

};

}

catch (Exception ex)

{

return new Response

{

IsSuccess = false,

Message = ex.Message

};

}

}

1. Adicionar el NuGet **Xam.Plugins.Settings** en **Common**.
2. Adicionar la clase **Settings** en **Common.Helpers**:

public static class Settings

{

private const string \_token = "token";

private const string \_isLogin = "isLogin";

private static readonly string \_stringDefault = string.Empty;

private static readonly bool \_boolDefault = false;

private static ISettings AppSettings => CrossSettings.Current;

public static string Token

{

get => AppSettings.GetValueOrDefault(\_token, \_stringDefault);

set => AppSettings.AddOrUpdateValue(\_token, value);

}

public static bool IsLogin

{

get => AppSettings.GetValueOrDefault(\_isLogin, \_boolDefault);

set => AppSettings.AddOrUpdateValue(\_isLogin, value);

}

}

1. En **Common** creamos la carpeta **Helpers** y dentro de esta la clase **Settings**:

public static class Settings

{

private const string \_token = "token";

private const string \_isLogin = "isLogin";

private static readonly string \_stringDefault = string.Empty;

private static readonly bool \_boolDefault = false;

private static ISettings AppSettings => CrossSettings.Current;

public static string Token

{

get => AppSettings.GetValueOrDefault(\_token, \_stringDefault);

set => AppSettings.AddOrUpdateValue(\_token, value);

}

public static bool IsLogin

{

get => AppSettings.GetValueOrDefault(\_isLogin, \_boolDefault);

set => AppSettings.AddOrUpdateValue(\_isLogin, value);

}

}

1. Modificamos la **LoginPageViewModel**:

public class LoginPageViewModel : ViewModelBase

{

private readonly INavigationService \_navigationService;

private readonly IApiService \_apiService;

private bool \_isRunning;

private bool \_isEnabled;

private string \_password;

private DelegateCommand \_loginCommand;

private DelegateCommand \_registerCommand;

private DelegateCommand \_forgotPasswordCommand;

public LoginPageViewModel(INavigationService navigationService, IApiService apiService)

: base(navigationService)

{

\_navigationService = navigationService;

\_apiService = apiService;

Title = Languages.Login;

IsEnabled = true;

}

public DelegateCommand LoginCommand => \_loginCommand ?? (\_loginCommand = new DelegateCommand(LoginAsync));

public DelegateCommand RegisterCommand => \_registerCommand ?? (\_registerCommand = new DelegateCommand(RegisterAsync));

public DelegateCommand ForgotPasswordCommand => \_forgotPasswordCommand ?? (\_forgotPasswordCommand = new DelegateCommand(ForgotPasswordAsync));

public bool IsRunning

{

get => \_isRunning;

set => SetProperty(ref \_isRunning, value);

}

public bool IsEnabled

{

get => \_isEnabled;

set => SetProperty(ref \_isEnabled, value);

}

public string Email { get; set; }

public string Password

{

get => \_password;

set => SetProperty(ref \_password, value);

}

private async void LoginAsync()

{

if (string.IsNullOrEmpty(Email))

{

await App.Current.MainPage.DisplayAlert(

Languages.Error,

Languages.EmailError,

Languages.Accept);

return;

}

if (string.IsNullOrEmpty(Password))

{

await App.Current.MainPage.DisplayAlert(

Languages.Error,

Languages.PasswordError,

Languages.Accept);

return;

}

IsRunning = true;

IsEnabled = false;

if (Connectivity.NetworkAccess != NetworkAccess.Internet)

{

IsRunning = false;

IsEnabled = true;

await App.Current.MainPage.DisplayAlert(Languages.Error, Languages.ConnectionError, Languages.Accept);

return;

}

string url = App.Current.Resources["UrlAPI"].ToString();

TokenRequest request = new TokenRequest

{

Password = Password,

Username = Email

};

Response response = await \_apiService.GetTokenAsync(url, "api", "/Account/CreateToken", request);

IsRunning = false;

IsEnabled = true;

if (!response.IsSuccess)

{

await App.Current.MainPage.DisplayAlert(Languages.Error, Languages.LoginError, Languages.Accept);

Password = string.Empty;

return;

}

TokenResponse token = (TokenResponse)response.Result;

Settings.Token = JsonConvert.SerializeObject(token);

Settings.IsLogin = true;

IsRunning = false;

IsEnabled = true;

await \_navigationService.NavigateAsync($"/{nameof(OnSaleMasterDetailPage)}/NavigationPage/{nameof(ProductsPage)}");

Password = string.Empty;

}

private void ForgotPasswordAsync()

{

//TODO: Pending

}

private void RegisterAsync()

{

//TODO: Pending

}

}

1. Modificamos la **OnSaleMasterDetailPage**:

<Image HeightRequest="150"

Source="onsale"/>

<Label FontAttributes="Bold"

FontSize="Large"

Text="{Binding User.FullName}"/>

<ListView BackgroundColor="Transparent"

ItemsSource="{Binding Menus}"

HasUnevenRows="True"

SeparatorVisibility="None">

1. Modificamos la **OnSaleMasterDetailPageViewModel**:

…

private UserResponse \_user;

…

public OnSaleMasterDetailPageViewModel(INavigationService navigationService) : base(navigationService)

{

\_navigationService = navigationService;

LoadMenus();

LoadUser();

}

public UserResponse User

{

get => \_user;

set => SetProperty(ref \_user, value);

}

…

private void LoadUser()

{

if (Settings.IsLogin)

{

TokenResponse token = JsonConvert.DeserializeObject<TokenResponse>(Settings.Token);

User = token.User;

}

}

…

new Menu

{

Icon = "ic\_exit\_to\_app",

PageName = $"{nameof(LoginPage)}",

Title = Settings.IsLogin ? Languages.Logout : Languages.Login

}

1. Modificamos la **MenuItemViewModel**:

private async void SelectMenuAsync()

{

if (PageName == nameof(LoginPage) && Settings.IsLogin)

{

Settings.IsLogin = false;

Settings.Token = null;

}

await \_navigationService.NavigateAsync($"/{nameof(OnSaleMasterDetailPage)}/NavigationPage/{PageName}");

}

1. Probemos lo que llevamos.
2. Ahora mostremos la foto del usuario en el menú. Adicione el nuget **Xamarin.FFImageLoading.Transformations** en todos los proyectos Prism.
3. Modificamos la **OnSaleMasterDetailPage**:

xmlns:fftransformations="clr-namespace:FFImageLoading.Transformations;assembly=FFImageLoading.Transformations"

...

<StackLayout Padding="20">

<StackLayout Orientation="Horizontal">

<Image HeightRequest="80"

Source="onsale"/>

<ffimageloading:CachedImage Aspect="AspectFill"

Source="{Binding User.ImageFullPath}"

CacheDuration= "50"

HeightRequest="100"

Margin="5"

RetryCount= "3"

RetryDelay= "600"

WidthRequest="100">

<ffimageloading:CachedImage.Transformations>

<fftransformations:CircleTransformation />

</ffimageloading:CachedImage.Transformations>

</ffimageloading:CachedImage>

</StackLayout>

<Label FontAttributes="Bold"

FontSize="Large"

Text="{Binding User.FullName}"/>

1. Probamos.