# Construire un écran complexe grâce aux layouts

# TP du module 4 - Manipuler les layouts

Proposition de solution

Dans le fichier MainPage.xaml.cs, créer la barre de titre :

<?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:local="clr-namespace:TPXamarin"

x:Class="TPXamarin.MainPage"

BackgroundColor="White">

<StackLayout>

<ContentView BackgroundColor="#58B0F0">

<StackLayout Orientation="Horizontal" Margin="10, 25">

<Label Text="Nouveau" VerticalTextAlignment="Center"></Label>

<Label Text="Accueil" HorizontalTextAlignment="Center" HorizontalOptions="CenterAndExpand"></Label>

<Label Text="Rechercher" VerticalTextAlignment="Center"></Label>

</StackLayout>

</ContentView>

<!-- Place new controls here -->

<Label Text="Welcome to Xamarin.Forms!"

HorizontalOptions="Center"

VerticalOptions="CenterAndExpand"

TextColor="Black"/>

</StackLayout>

</ContentPage>

Ajouter la zone de scroll dans la page :

<StackLayout Orientation="Vertical">

<ContentView BackgroundColor="#58B0F0">

...

</ContentView>

<ScrollView HorizontalOptions="FillAndExpand" VerticalOptions="FillAndExpand">

</ScrollView>

</StackLayout>

Créer une carte dans la ScrollView affichant un texte, des boutons d’action et une barre de séparation :

<ScrollView HorizontalOptions="FillAndExpand" VerticalOptions="FillAndExpand">

<StackLayout Orientation="Vertical">

<StackLayout Orientation="Vertical" HorizontalOptions="FillAndExpand">

<StackLayout Orientation="Horizontal" HorizontalOptions="FillAndExpand" Margin="10">

<Label Text="Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec euismod convallis dolor. Quisque ultricies porttitor nunc venenatis facilisis. " TextColor="Black"></Label>

</StackLayout>

<StackLayout Orientation="Horizontal">

<Label HorizontalOptions="FillAndExpand" Text="Répondre" HorizontalTextAlignment="Center" TextColor="Black"></Label>

<Label HorizontalOptions="FillAndExpand" Text="Retweet" HorizontalTextAlignment="Center" TextColor="Black"></Label>

<Label HorizontalOptions="FillAndExpand" Text="Favoris" HorizontalTextAlignment="Center" TextColor="Black"></Label>

</StackLayout>

<ContentView HeightRequest="0.5" BackgroundColor="WhiteSmoke" HorizontalOptions="FillAndExpand"></ContentView>

</StackLayout>

</StackLayout>

</ScrollView>

Ajouter l’image et les informations sur l’auteur dans la carte :

<StackLayout Orientation="Vertical" HorizontalOptions="FillAndExpand">

<StackLayout Orientation="Horizontal" HorizontalOptions="FillAndExpand" Margin="10">

<ContentView Margin="10" WidthRequest="75" HeightRequest="75" BackgroundColor="Black"></ContentView>

<StackLayout Orientation="Vertical" HorizontalOptions="FillAndExpand">

<StackLayout Orientation="Horizontal">

<Label Text="Cedric" TextColor="Black"></Label>

<Label Text="@cedricmillauriaux" TextColor="Black"></Label>

<Label Text="50s" TextColor="Black" HorizontalOptions="EndAndExpand"></Label>

</StackLayout>

<Label Text="Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec euismod convallis dolor. Quisque ultricies porttitor nunc venenatis facilisis. " TextColor="Black"></Label>

</StackLayout>

</StackLayout>

...

</StackLayout>