Universidad de Colima

Facultad de Telemática

Ingeniería de software

Programación de Móviles

Elaboración de gráficas estadísticas en Xamarin Forms

Primera parcial

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5°D

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Codigo XML

```xml
<?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:GraficasEstadisticas"
 xmlns:forms="clr-namespace:Microcharts.Forms;assembly=Microcharts.Forms"
 x:Class="GraficasEstadisticas.MainPage">
    <ScrollView>
        <StackLayout>
            <Label Text="Microcharts" TextColor="White" FontSize="Large"
FontAttributes="Bold" HorizontalOptions="Center" VerticalOptions="Center" />
            <forms:ChartView x:Name="MyDonutChart" HeightRequest="150" />
            <forms:ChartView x:Name="MyBarChart" HeightRequest="150" />
            <forms:ChartView x:Name="MyPointChart" HeightRequest="150" />
            <forms:ChartView x:Name="MyRadialGaugeChart" HeightRequest="150" />
            <forms:ChartView x:Name="MyLineChart" HeightRequest="150" />
        </StackLayout>
    </ScrollView>
</ContentPage>
```

Interfaz

Codigo C#

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using Microcharts;
using SkiaSharp;
using Xamarin.Forms;
using Microcharts.Forms;

namespace GraficasEstadisticas
{
    public partial class MainPage : ContentPage
```

```csharp
    {
        private readonly List<Microcharts.ChartEntry> _entries = new
    List<Microcharts.ChartEntry>()
        {
            new Microcharts.ChartEntry(200)
            {
                Label = "January",
                ValueLabel = "200",
                Color = SKColor.Parse("#FF0033"),
            },
            new Microcharts.ChartEntry(400)
            {
                Label = "February",
                ValueLabel = "400",
                Color = SKColor.Parse("#FF8000"),
            },
            new Microcharts.ChartEntry(300)
            {
                Label = "March",
                ValueLabel = "300",
                Color = SKColor.Parse("#FFE600"),
            },
            new Microcharts.ChartEntry(250)
            {
                Label = "April",
                ValueLabel = "250",
                Color = SKColor.Parse("#1AB34D"),
            },
            new Microcharts.ChartEntry(650)
            {
                Label = "May",
                ValueLabel = "650",
                Color = SKColor.Parse("#1A66FF"),
            },
            new Microcharts.ChartEntry(500)
            {
                Label = "June",
                ValueLabel = "500",
                Color = SKColor.Parse("#801AB3"),
            },
        };
        public MainPage()
        {
            InitializeComponent();
            MyDonutChart.Chart = new DonutChart { Entries = _entries };
            MyBarChart.Chart = new BarChart { Entries = _entries };
            MyPointChart.Chart = new PointChart { Entries = _entries };
            MyRadialGaugeChart.Chart = new RadialGaugeChart { Entries = _entries };
            MyLineChart.Chart = new LineChart { Entries = _entries };
        }
    }
}
```