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| **START UP DAY** |
| **TALHI Sofia** |
| **BOUGEROL Fergal** |
| **BACHELOR 2** |

Xamarin

ANDROIDE

Xamarin.Forms exige actuellement une licence Indie ou plus. Il est pas compatible avec l'édition Starter gratuit, mais vous pouvez essayer avec notre[essai gratuit de 30](https://developer.xamarin.com/guides/cross-platform/getting_started/beginning_a_xamarin_trial/)jours.

Les paramètres cibles doivent être mis à **utiliser la plus récente** / **automatique**et vous *devraient toujours avoir la dernière version du SDK Android installé (6,0 au moment de*l'écriture):

Mise à jour : outils>ouvrir le gestionnaire SDK android :

Mise à jour de la version SDK android :

puis ouvrez le gestionnaire SDK dans le menu Outils et cochez les outils SDK Android, la plate-forme Outils, et le dernier SDK complet:>Build>général>Buid android application

Xamarin university

**EMPTY CLASS.xmls**

using System.Text;

using System;

namespace Core

{

public static class PhonewordTranslator

{

public static string ToNumber(string raw)

{

if (string.IsNullOrWhiteSpace(raw))

return "";

else

raw = raw.ToUpperInvariant();

var newNumber = new StringBuilder();

foreach (var c in raw)

{

if (" -0123456789".Contains(c))

newNumber.Append(c);

else {

var result = TranslateToNumber(c);

if (result != null)

newNumber.Append(result);

}

// otherwise we've skipped a non-numeric char

}

return newNumber.ToString();

}

static bool Contains (this string keyString, char c)

{

return keyString.IndexOf(c) >= 0;

}

static int? TranslateToNumber(char c)

{

if ("ABC".Contains(c))

return 2;

else if ("DEF".Contains(c))

return 3;

else if ("GHI".Contains(c))

return 4;

else if ("JKL".Contains(c))

return 5;

else if ("MNO".Contains(c))

return 6;

else if ("PQRS".Contains(c))

return 7;

else if ("TUV".Contains(c))

return 8;

else if ("WXYZ".Contains(c))

return 9;

return null;

}

}

}

EMPTY CLASS.cs

using System;

using Android.App;

using Android.Content;

using Android.Runtime;

using Android.Views;

using Android.Widget;

using Android.OS;

namespace Phoneword

{

[Activity (Label = "Phoneword", MainLauncher = true)]

public class MainActivity : Activity

{

protected override void OnCreate (Bundle bundle)

{

base.OnCreate (bundle);

// Set our view from the "main" layout resource

SetContentView (Resource.Layout.Main);

// Our code will go here

}

}

}

// Get our UI controls from the loaded layout:

EditText phoneNumberText = FindViewById<EditText>(Resource.Id.PhoneNumberText);

Button translateButton = FindViewById<Button>(Resource.Id.TranslateButton);

Button callButton = FindViewById<Button>(Resource.Id.CallButton);

**BOUTONS** :

// Disable the "Call" button

callButton.Enabled = false;

// Add code to translate number

string translatedNumber = string.Empty;

translateButton.Click += (object sender, EventArgs e) =>

{

// Translate user's alphanumeric phone number to numeric

translatedNumber = Core.PhonewordTranslator.ToNumber(phoneNumberText.Text);

if (String.IsNullOrWhiteSpace(translatedNumber))

{

callButton.Text = "Call";

callButton.Enabled = false;

}

else

{

callButton.Text = "Call " + translatedNumber;

callButton.Enabled = true;

}

};

**CALL BUTTON** :

callButton.Click += (object sender, EventArgs e) =>

{

// On "Call" button click, try to dial phone number.

var callDialog = new AlertDialog.Builder(this);

callDialog.SetMessage("Call " + translatedNumber + "?");

callDialog.SetNeutralButton("Call", delegate {

// Create intent to dial phone

var callIntent = new Intent(Intent.ActionCall);

callIntent.SetData(Android.Net.Uri.Parse("tel:" + translatedNumber));

StartActivity(callIntent);

});

callDialog.SetNegativeButton("Cancel", delegate { });

// Show the alert dialog to the user and wait for response.

callDialog.Show();

};