# Créer des services métier

# TP du module 07 - Développement de services Xamarin

Proposition de solution

Créer une classe Tweet :

namespace TPXamarin.models

{

public class Tweet

{

public string identifier { get; set; }

public string creationDate { get; set; }

public string userName { get; set; }

public string userIdentifier { get; set; }

public string userPseudo { get; set; }

}

}

Créer une interface ITwitterService :

using System;

using System.Collections.Generic;

using TPXamarin.models;

namespace TPXamarin.services

{

public interface ITwitterService

{

bool authenticate(String key, String secret);

List<Tweet> getTweets();

}

}

Créer une classe TwitterService :

using System.Collections.Generic;

using TPXamarin.models;

namespace TPXamarin.services

{

public class TwitterService : ITwitterService

{

public bool authenticate(string username, string password)

{

if (username.Equals("cedric") && password.Equals("azertyuiop"))

{

return true;

}

return false;

}

public List<Tweet> getTweets()

{

var tweets = new List<Tweet>();

tweets.Add(new Tweet(){ creationDate = "Thu Apr 06 15:28:43 +0000 2017", identifier = "850007368138018817", userIdentifier = "6253282", userName = "Twitter API", userPseudo = "twitterapi" });

tweets.Add(new Tweet() { creationDate = "Thu Apr 06 15:38:43 +0000 2017", identifier = "850007368138018818", userIdentifier = "6253282", userName = "Twitter API", userPseudo = "twitterapi" });

tweets.Add(new Tweet() { creationDate = "Thu Apr 06 15:48:43 +0000 2017", identifier = "850007368138018819", userIdentifier = "6253282", userName = "Twitter API", userPseudo = "twitterapi" });

tweets.Add(new Tweet() { creationDate = "Thu Apr 06 15:58:43 +0000 2017", identifier = "850007368138018820", userIdentifier = "6253282", userName = "Twitter API", userPseudo = "twitterapi" });

return tweets;

}

}

}

Utiliser le service depuis le code behind :

public partial class MainPage : ContentPage

{

private ITwitterService twitterService = new TwitterService();

public MainPage()

{

InitializeComponent();

}

private void Connection\_Clicked(object sender, EventArgs e)

{

…

if (this.twitterService.authenticate(identifierStr, passwordStr))

{

this.form.IsVisible = false;

this.tweets.IsVisible = true;

}

else

{

this.error.Text = "Identifiants incorrects";

this.error.IsVisible = true;

}

}

}