# Azure Mobile Apps – API Sample (UWP Client)

1. In your Mainpage.xaml add the below code

<Grid Background="{ThemeResource ApplicationPageBackgroundThemeBrush}">

<Grid.RowDefinitions>

<RowDefinition></RowDefinition>

</Grid.RowDefinitions>

<Grid.ColumnDefinitions>

<ColumnDefinition Width="120"></ColumnDefinition>

<ColumnDefinition></ColumnDefinition>

</Grid.ColumnDefinitions>

<StackPanel Grid.Row="0" Grid.Column="0">

<Button Content="Pokemon" Margin="10" Click="Button\_Click"></Button>

<Button Content="HarryPotter" Margin="10" Click="Button\_Click"></Button>

</StackPanel>

<Grid Grid.Row="1" Grid.Column="1" Grid.RowSpan="2" >

<ListBox ItemsSource="{Binding qResult}" Name="myList" Background="White"

ScrollViewer.VerticalScrollBarVisibility="Visible">

<ListBox.ItemTemplate>

<DataTemplate>

<StackPanel Orientation="Horizontal" >

<Image Height="200" Width="200">

<Image.Source>

<BitmapImage UriSource="{Binding Images}" />

</Image.Source>

</Image>

<TextBlock Text="{Binding Desc}"/>

</StackPanel>

</DataTemplate>

</ListBox.ItemTemplate>

</ListBox>

</Grid>

</Grid>

1. Create a new Class

public class QResult

{

public string Id { get; set; }

public string Name { get; set; }

public string Desc { get; set; }

public string Images { get; set; }

}

1. Access the API through the below code.

private async void Button\_Click(object sender, RoutedEventArgs e)

{

var button = sender as Button;

IDictionary<String, String> d = new Dictionary<String, String>();

d.Add("Name", button.Content.ToString());

// IMPORTANT!!!! <Custom API>

var result = await App.MobileService.InvokeApiAsync<JsonArray>("Check", System.Net.Http.HttpMethod.Post, d);

var list = JsonConvert.DeserializeObject<List<QResult>>(result.ToString());

myList.ItemsSource = list;

}

API Sample- Server Code (Node.JS)

1. Add the below code in your Check.js file on the server.

module.exports.post = function (request, response) {

var query = {

sql: 'Select \* from TestTable where Name = @completed ORDER by createdAt',

parameters: [

{ name: 'completed', value: request.query.Name }

],

};

request.azureMobile.data.execute(query)

.then(function (results) {

response.setHeader('Content-Type', 'application/json');

response.status(200).send(JSON.stringify(results));

});

};