

weather

<tags>HTTP Request; XML</tags>This sample project show how you can use the action HTTPRequest of Kalipso to access a Web Service that returns the weather in the city you search.

Version 1.0.0 - DB Version

2016-11-07

Project: weather

Description: <tags>HTTP Request; XML</tags>This sample project show how you can use the action HTTPRequest of Kalipso to access a Web Service that returns the weather in the city you search.

Languages: English

Author:

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Version: 1.0.0

DB Version:

Terminal: Generic Smartphone

Display: 240x420

Communication Profiles

No Communication Profiles

Multi-Language

No Multi-Language Strings

weather - <tags>HTTP Request;

Global Action Sets

No Global Action Sets

Global Variables

Var	Name	Description
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No Named Global Variables

Database

Tables

Table	Description	Type	Profile	To PDA	To PC
WEATHER		Local			

Stored Procedures

Stored Procedure	Description	Profile
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No Stored Procedures

Database Tables

Table's Name: WEATHER

Description:

Type: Local

Filter: Filter

Synchronization:

Column	Type	Size	Dec.	Key	Mask	To PDA	To PC
weather	Varchar	50		X		X	X
temp_c	Varchar	50				X	X
relative_humidity	Varchar	50				X	X
wind_string	Varchar	50				X	X
feelslike_c	Varchar	50				X	X
UV	Varchar	50				X	X
icon_url	Varchar	50				X	X
city	Varchar	50				X	X
visibility_km	Varchar	50				X	X
ob_url	Varchar	50				X	X

Indexes:

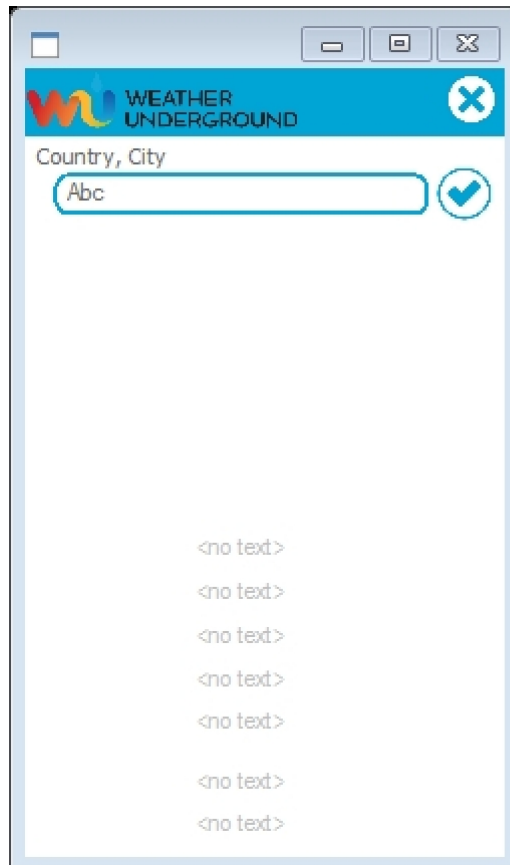
No Indexes

Forms

Form: Frm_Search

Title: English:

Description: English:



Actions

Event : **Open Form**

Set Focus (CTRL(Ipt_search))

Event : **X Button Clicked**

Close Project

Local Action Sets

ExtrateCity

Comment (// "Filtering the data to call in the HTTP request")

Set Value (LVAR(City); String; ExtractString(CTRL(Ipt_search), 2, ","))

Set Value (LVAR(City); String; Replace(Trim(LVAR(City)), TRUE, TRUE), " ", "_"))

weather - <tags>HTTP Request;

Set Value (LVAR(Country); String; ExtractString(CTRL(Ipt_search), 1, ","))

Set Value (LVAR(Country); String; Replace(Trim(LVAR(Country)), TRUE, TRUE), " ", "_"))

Checkweather

Comment (///"Delete the table that saves the data where the data is saved")

SQL Statement (Delete; WEATHER; 1=1)

On Error

Message Box ("Error"; ERRORMSG; Error; OK; OK;)

Cancel

End On Error

Comment (///"Call SP to filter data to call HTTP request")

Exec. Local Action Set (ExtrateCity; No)

Comment (///"Filter if Var(Country) is Empty mask the call without the country else it put in the HTTP the Country")

If (LVAR(Country) = "")

Http Request (Run Locally; 0; TVAR(0); TVAR(1); TVAR(2); TVAR(3); "http://api.wunderground.com/";
"api/813ee3db3ee3412b/conditions/q/CA/" + LVAR(City) + ".xml"; 80; utf-8; ""; ""; Get; Yes; No; ""; "")

On Error

Message Box ("Error"; ERRORMSG; Error; OK; OK;)

Cancel

End On Error

Else

Http Request (Run Locally; 0; TVAR(0); TVAR(1); TVAR(2); TVAR(3); "http://api.wunderground.com/";
"api/813ee3db3ee3412b/conditions/q/" + LVAR(Country) + "/" + LVAR(City) + ".xml"; 80; utf-8; ""; ""; Get; Yes; No;
"", "")

On Error

Message Box ("Error"; ERRORMSG; Error; OK; OK;)

Cancel

End On Error

End If

Comment (///"Copy the information returned by the HTTP Request in to the table")

XML Import To Table (Text; TVAR(0); WEATHER)

On Error

Message Box ("Error"; ERRORMSG; Error; OK; OK;)

Cancel

End On Error

Comment (///"Select the information in the table and show it in the form")

SQL Statement (Select; WEATHER; CTRL(lbl_city)=city; CTRL(lbl_feelslike1)=feelslike_c;
CTRL(lbl_Humidity1)=relative_humidity; CTRL(lbl_Temperature1)=temp_c; CTRL(lbl_UV1)=UV;
CTRL(lbl_wind2)=wind_string; LVAR(img)=icon_url; CTRL(lbl_visibility1)=visibility_km; CTRL(lbl_weather1)=weather;
LVAR(ob_url)=ob_url; ; No; Yes)

weather - <tags>HTTP Request;

On Error

Message Box ("Error"; ERRORMSG; Error; OK; OK;)

Cancel

End On Error

Comment (///"Making all the object necessary visible")

Set Property (CTRL(lbl_city); Visible; Yes)

Set Property (CTRL(lbl_feelslike); Visible; Yes)

Set Property (CTRL(lbl_Humidity); Visible; Yes)

Set Property (CTRL(lbl_Temperature); Visible; Yes)

Set Property (CTRL(lbl_UV); Visible; Yes)

Set Property (CTRL(lbl_weather); Visible; Yes)

Set Property (CTRL(lbl_wind); Visible; Yes)

Set Property (CTRL(lbl_visibility); Visible; Yes)

Set Property (CTRL(lbl_CheckOnline); Visible; Yes)

Set Property (CTRL(Shape1); Visible; Yes)

Set Property (CTRL(Image1); Visible; Yes)

Comment (///"If there is a Image Get the image from the web")

If (LVAR(img) <> "")

Set Value (LVAR(City); String; "")

Set Value (LVAR(Country); String; "")

Set Property (CTRL(lbl_noCity); Visible; No)

Set Value (LVAR(7); String; ExtractString(LVAR(img), 7, "/"))

Http Request (Run Locally; 0; LVAR(img); TVAR(10); VAR(11); VAR(12); "http://icons.wxug.com"; "/i/c/k/" + LVAR(7); 80; bytes; ""; "", Get; Yes; No; "", "")

On Error

Message Box ("Error"; ERRORMSG; Error; OK; OK;)

Cancel

Else

File Open (1; PFOLDER + "\temp.gif"; Write; ANSI/BINARY)

On Error

Message Box ("Error"; ERRORMSG; Error; OK; OK;)

Cancel

Else

File Write (1; No; ""; LVAR(img))

On Error

Message Box ("Error"; ERRORMSG; Error; OK; OK;)

Cancel

End On Error

File Close (1)

weather - <tags>HTTP Request;

On Error

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Message Box ("Error"; ERRORMSG; Error; OK; OK; )
Cancel
End On Error
End On Error
End On Error
Set Value (CTRL(Image1); String; PFOLDER + "\\temp.gif")
```

Else

```
Comment (/"Making all the object necessary Invisible")
Set Property (CTRL(lbl_city); Visible; No)
Set Property (CTRL(lbl_feelslike); Visible; No)
Set Property (CTRL(lbl_Humidity); Visible; No)
Set Property (CTRL(lbl_Temperature); Visible; No)
Set Property (CTRL(lbl_UV); Visible; No)
Set Property (CTRL(lbl_visibility); Visible; No)
Set Property (CTRL(lbl_weather); Visible; No)
Set Property (CTRL(lbl_wind); Visible; No)
Set Property (CTRL(lbl_CheckOnline); Visible; No)
Set Property (CTRL(Shape1); Visible; No)
Set Property (CTRL(Image1); Visible; No)
Set Property (CTRL(lbl_noCity); Visible; Yes)
```

End If

Local Variables

Var	Name	Description
0	relative_humidity	Local Variable 0
1	temp_c	Local Variable 1
2	UV	Local Variable 2
3	weather	Local Variable 3
4	wind_string	Local Variable 4
5	feelslike_c	Local Variable 5
6	img	Local Variable 6
10	City	Local Variable 10
11	Country	Local Variable 11
12	visibility_km	Local Variable 12
13	ob_url	Local Variable 13

Controls

Name: **Exit**
Text: English:
Description: English:

Actions

Event : **Click**

Close Project

Name: **Image**
Text: English:
Description: English:

Actions

Event : **Click**

Comment (///"If the search is not empty it will call the action set to get the weather")
If (CTRL(Ipt_search) <> "")
 Exec. Local Action Set (Checkweather; No)
 Comment (///"Clean the input search")
 Set Value (CTRL(Ipt_search); String; "")
End If

Name: **Image1**
Text: English:
Description: English:

Actions

No Actions

Name: **Image2**
Text: English:

weather - <tags>HTTP Request;

Description: English:

Actions

No Actions

Name: Ipt_search

Description: English:

Actions

Event : Click

Comment (///"Call the Operative System Keyboard")
Set SIP (On)
On Error
Message Box ("Error"; ERRORMSG; Error; OK; OK;)
Cancel
End On Error

Event : Enter

Comment (///"If the search is not empty it will call the action set to get the weather")
If (CTRL(Ipt_search) <> "")
 Exec. Local Action Set (Checkweather; No)
 Comment (///"Clean the input search")
 Set Value (CTRL(Ipt_search); String; "")
End If

Name: Label2

Text: English: Country, City

Description: English:

Actions

No Actions

Name: Lbl_CheckOnline

weather - <tags>HTTP Request;

Text: English: Check Online

Description: English:

Actions

Event : **Click**

Shell Execute (LVAR(ob_url); ""; "Open"; "")

On Error

Message Box ("Error"; ERRORMSG; Error; OK; OK;)

Cancel

End On Error

Name: **lbl_city**

Text: English:

Description: English:

Actions

No Actions

Name: **lbl_feelslike**

Text: English: Feels like:

Description: English:

Actions

No Actions

Name: **lbl_feelslike1**

Text: English:

Description: English:

Actions

No Actions

Name: Ibl_Humidity

Text: English: Humidity:

Description: English:

Actions

No Actions

Name: Ibl_Humidity1

Text: English:

Description: English:

Actions

No Actions

Name: Ibl_noCity

Text: English: Did not find any result for this city, please try to search like(Country, City)

Description: English:

Actions

No Actions

Name: Ibl_Temperature

Text: English: Temperature:

Description: English:

Actions

No Actions

Name: **Ibl_Temperature1**

Text: English:

Description: English:

Actions

No Actions

Name: **Ibl_UV**

Text: English: UV:

Description: English:

Actions

No Actions

Name: **Ibl_UV1**

Text: English:

Description: English:

Actions

No Actions

Name: **Ibl_visibility**

Text: English: Visibility:

Description: English:

Actions

No Actions

Name: **Ibl_visibility1**

Text: English:

weather - <tags>HTTP Request;

Description: English:

Actions

No Actions

Name: lbl_weather

Text: English: Weather:

Description: English:

Actions

No Actions

Name: lbl_weather1

Text: English:

Description: English:

Actions

No Actions

Name: lbl_wind

Text: English: Wind:

Description: English:

Actions

No Actions

Name: lbl_wind2

Text: English:

Description: English:

weather - <tags>HTTP Request;

Actions

No Actions

Name: **Shape1**

Description: English:

Actions

No Actions

Name: **Shape2**

Description: English:

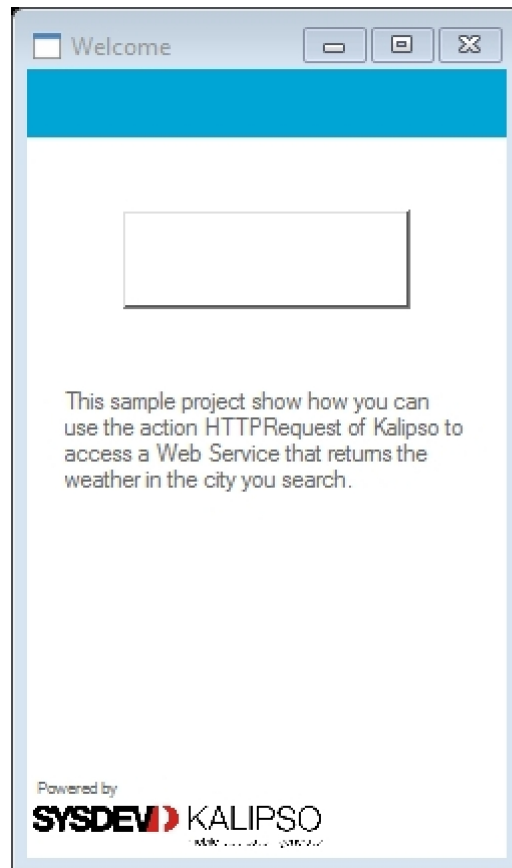
Actions

No Actions

Form: **Welcome1**

Title: English: Welcome

Description: English:



Actions

No Actions

Local Action Sets

No Local Action Sets

Local Variables

Var	Name	Description
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No Named Local Variables

weather - <tags>HTTP Request;

Controls

Name: Image

Text:

Description: English:

Actions

No Actions

Name: Label_description

Text: English: This sample project show how you can use the action HTTPRequest of Kalipso to access a Web Service that returns the weather in the city you search.

Description: English:

Actions

No Actions

Name: Label_powered

Text: English: Powered by

Description: English:

Actions

No Actions

Name: SampleBtn

Text: English: View Sample

Description: English:

Actions

Event : Click

Show Form (Frm_Search; 0)

weather - <tags>HTTP Request;

Name:

Shape

Description:

English:

Actions

No Actions

weather - <tags>HTTP Request;

Web Services

No Web Services

weather - <tags>HTTP Request;

JScrip

No JScrip

Printing

Printers

No Printers

Layouts

No Layouts

Images

Image: wundergroundLogo_4c_horz.png

Used By: Forms -
Controls - Image2 (Frm_Search)
Actions -



Image: Sysdev_Kalipso_Assinatura.png

Used By: Forms - \par
Controls - Image (Welcome1)\par
Actions -



Image: Cancel_128x128.png

Used By: Forms - \par
Controls - Exit (Frm_Search)\par
Actions -



weather - <tags>HTTP Request;

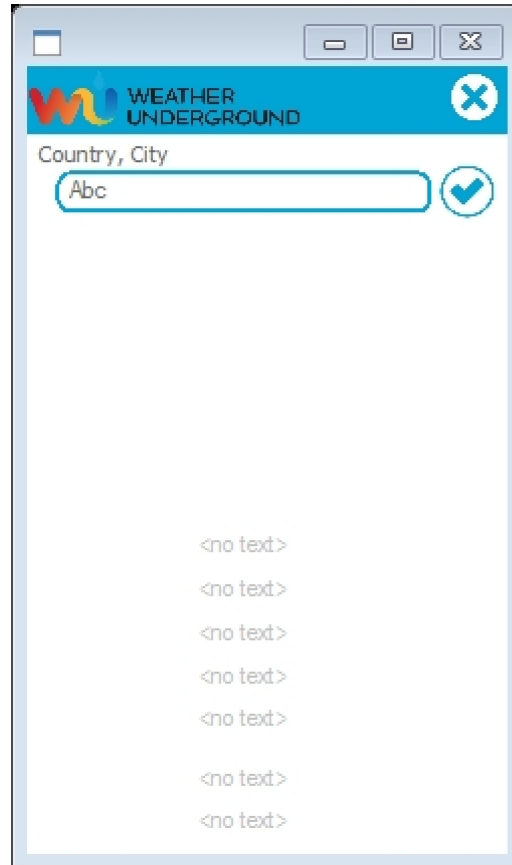
Image: OK_128x128.png

Used By: Forms - \par
Controls - Image (Frm_Search)\par
Actions -



Screenshots

Form: Frm_Search (Plane 0)



The screenshot shows a mobile application window titled "WEATHER UNDERGROUND". The window has a blue header bar with the logo and a close button (X). Below the header, there is a text input field labeled "Country, City" containing the text "Abc". To the right of the input field is a circular button with a checkmark. Below the input field, there is a list of placeholder text entries, each preceded by a small blue square icon. The placeholder text is "<no text>".

weather - <tags>HTTP Request;

Form: Welcome1 (Plane 0)

