
Subject: Map support in UPP ?

Posted by [alex100](#) on Tue, 09 Feb 2010 11:20:45 GMT

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Hi,

Does U++ has any type of control object to display maps, or better to use a map provider and display maps on windows?

Suppose i want to make an application that shows a google map with some bookmarks, zoom etc. Does u++ has support for this?

Thanks
Alex

Subject: Re: Map support in UPP ?

Posted by [fudadmin](#) on Tue, 09 Feb 2010 11:29:45 GMT

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What about this?:

Edited link:

<http://www.ultimatepp.org/forum/index.php?t=msg&th=4913& amp; amp;start=0&>

Subject: Re: Map support in UPP ?

Posted by [mirek](#) on Tue, 09 Feb 2010 12:02:38 GMT

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alex100 wrote on Tue, 09 February 2010 06:20Hi,

Does U++ has any type of control object to display maps, or better to use a map provider and display maps on windows?

Suppose i want to make an application that shows a google map with some bookmarks, zoom etc. Does u++ has support for this?

Thanks
Alex

You are one lucky guy:) I needed just this a couple of days back, so there is now code in bazaar forum.

Thinking about it, I might make it an example.

Mirek

Subject: Re: Map support in UPP ?

Posted by [alex100](#) on Tue, 09 Feb 2010 12:08:15 GMT

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Great!

I made a search for maps. I see that i should make a search for "google" in this forum

Thanks

Alex

Subject: Re: Map support in UPP ?

Posted by [alex100](#) on Tue, 09 Feb 2010 14:24:58 GMT

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Ok, it works fine

It seems that basic functionality and implementation is in there. Now i have to implement zooming (dbclick) and drag features

By the way, it there any way to use freely google maps into a commercial application?

Or it is better to use a free map provider (not so complete as google is) instead?

Thanks

Alex

Subject: Re: Map support in UPP ?

Posted by [mirek](#) on Tue, 09 Feb 2010 14:50:02 GMT

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[alex100](#) wrote on Tue, 09 February 2010 09:24Ok, it works fine

It seems that basic functionality and implementation is in there. Now i have to implement zooming (dbclick) and drag features

By the way, it there any way to use freely google maps into a commercial application?

I think not, but you better check GoogleMap static map API.

Quote:

Or it is better to use a free map provider (not so complete as google is) instead?

Are there any?

Mirek

Subject: Re: Map support in UPP ?

Posted by [chickenk](#) on Tue, 09 Feb 2010 15:08:02 GMT

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luzr wrote on Tue, 09 February 2010 15:50

Quote:

Or it is better to use a free map provider (not so complete as google is) instead?

Are there any?

Mirek

Well there is OpenStreetMap, which is rather a database and specification that needs an external renderer.

Some available renderers are shown here:

http://wiki.openstreetmap.org/wiki/Beginners_Guide_1.5

(notice there's one in C++ (Mapnik) that uses AGG as back-end... seems we could do the same using U++ technology directly!)

Here is an example of Mapnik output: http://mapnik.org/maps/srtm_relief_natgrid/

My 2 cents,
Lionel

Subject: Re: Map support in UPP ?

Posted by [alex100](#) on Tue, 09 Feb 2010 15:08:24 GMT

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Yes there is.

Please check openstreemap!

What do you say?

Alex

PS: As the idea is to create i think it is right to use openstreemap.

Subject: Re: Map support in UPP ?

Posted by [mirek](#) on Tue, 09 Feb 2010 15:10:10 GMT

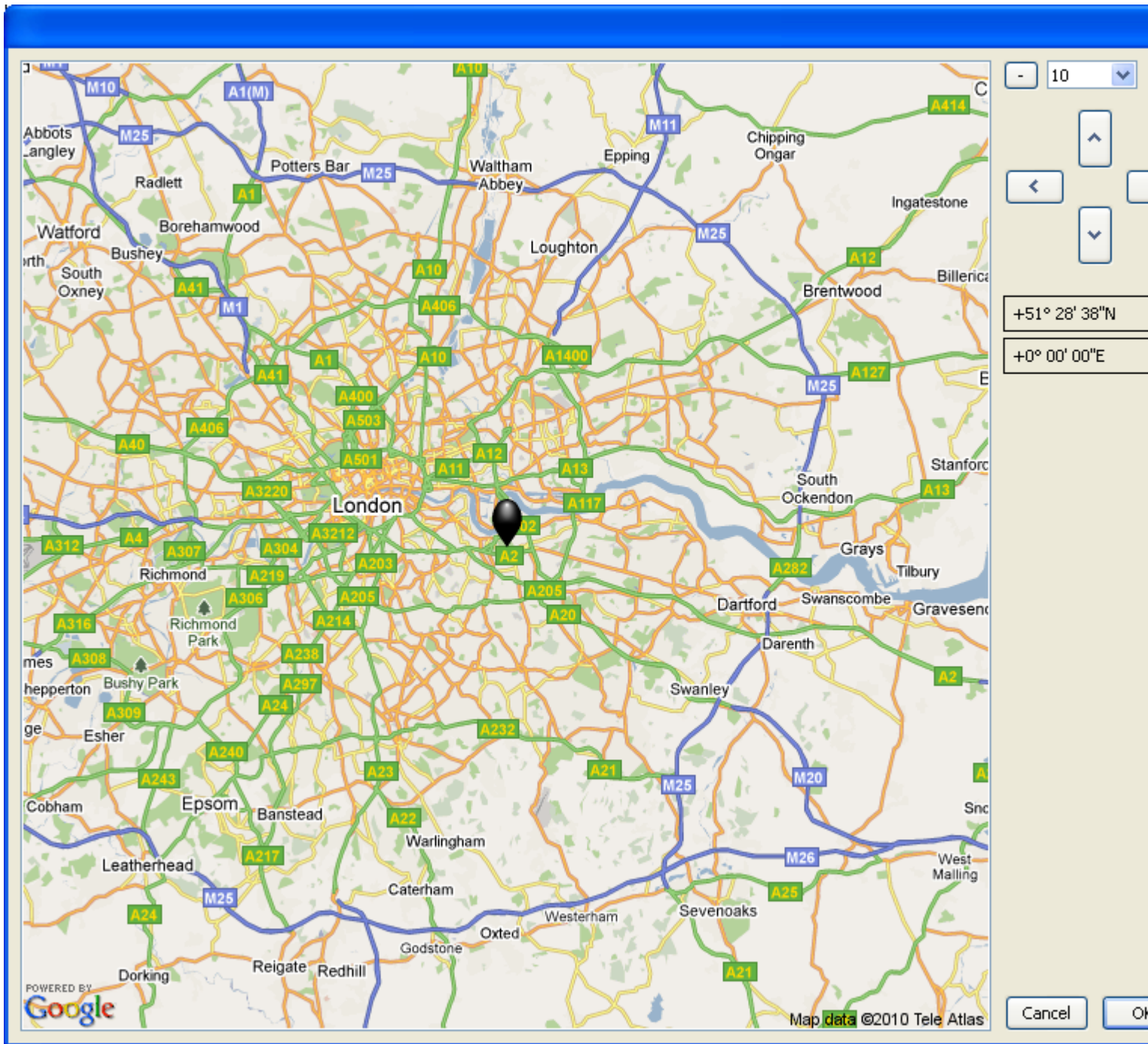
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Example uploaded.

There are some useful calculations in it, most important pixel<->longitude/latitude conversions and long/lat formatting/scanning.

File Attachments

1) [googlemaps.PNG](#), downloaded 939 times



Subject: Re: Map support in UPP ?
Posted by [alex100](#) on Tue, 09 Feb 2010 15:14:27 GMT
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Uploaded?

Ops... external renderer needed

Does anyone knows how much is the google fee?

Swinglab (JAVA things) has a swing control capable of display openstreetmaps...

I thought that openstreetmaps worked like google .

Alex

Subject: Re: Map support in UPP ?

Posted by [alex100](#) on Tue, 09 Feb 2010 15:22:56 GMT

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By the way, in this forum we can read:

[http://www.mail-archive.com/google-maps-api@googlegroups.com /msg05299.html](http://www.mail-archive.com/google-maps-api@googlegroups.com/msg05299.html)

"You could first create a map webpage and host it online.
It should be accessible from the internet so that it satisfies the API
Terms and Conditions of Use.

Then in your C++ application add a web browser control.
Customise the web browser control to make the GUI for your map page."

Alex

Subject: Re: Map support in UPP ?

Posted by [chickenk](#) on Tue, 09 Feb 2010 16:00:18 GMT

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alex100 wrote on Tue, 09 February 2010 16:14

Ops... external renderer needed

Well after digging a bit more, an online renderer is available (several in fact, but there's an official one) called Slippy Map: http://wiki.openstreetmap.org/wiki/Slippy_Map

And here's how to get static maps through HTTP GET requests:
<http://wiki.openstreetmap.org/wiki/Staticmaps>

So the Google-like interface is available, though the URL syntax may differ, but it's not a big deal

IMO.

Lionel

Subject: Re: Map support in UPP ?
Posted by [alex100](#) on Tue, 09 Feb 2010 16:12:53 GMT
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Great!!

Alex

Subject: Re: Map support in UPP ?
Posted by [koldo](#) on Tue, 09 Feb 2010 16:49:12 GMT
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Hello all

If someone needs advice on OpenStreetMap map editing (using available software) I have some experience.

Subject: Re: Map support in UPP ?
Posted by [chickenk](#) on Tue, 09 Feb 2010 17:51:01 GMT
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luzr wrote on Tue, 09 February 2010 16:10Example uploaded.

Ouch, it does not compile at all under Linux ! GCC complains a lot about the TCore package when preparing `Geom\Coords` :

```
In file included from /home/liorry/upp/uppsrc/TCore/TCore.h:9,  
                 from /home/liorry/upp/uppsrc/Geom/Coords/GeomCoords.h:5,  
                 from /home/liorry/upp/uppsrc/Geom/Coords/util.cpp:1,  
                 from  
/home/liorry/upp/out/Geom/Coords/GCC.Debug.Debug_full.Gui.Shared/$blitz.cpp:3:
```

```
In file included from /home/liorry/upp/uppsrc/TCore/TCore.h:9,  
                 from /home/liorry/upp/uppsrc/Geom/Coords/GeomCoords.h:5,
```

from /home/liorry/upp/uppsrc/Geom/Coords/util.cpp:1,
from
/home/liorry/upp/out/Geom/Coords/GCC.Debug.Debug_full.Gui.Shared/\$blitz.cpp:3:
/home/liorry/upp/uppsrc/TCore/template.h: At global scope:

without an argument list

without an argument list

In file included from /home/liorry/upp/uppsrc/TCore/TCore.h:11,
from /home/liorry/upp/uppsrc/Geom/Coords/GeomCoords.h:5,
from /home/liorry/upp/uppsrc/Geom/Coords/util.cpp:1,
from
/home/liorry/upp/out/Geom/Coords/GCC.Debug.Debug_full.Gui.Shared/\$blitz.cpp:3:

int Upp::GetHashValue(const Upp::SetOpCode&

Subject: Re: Map support in UPP ?
Posted by [mirek](#) on Tue, 09 Feb 2010 18:02:18 GMT
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Fixed.

Subject: Re: Map support in UPP ?
Posted by [nlneilson](#) on Tue, 09 Feb 2010 21:28:16 GMT
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luzr wrote on Tue, 09 February 2010 15:50Are there any?
Mirek

re free map provider

The NASA WorldWind project has a considerable amount of map images that are free and no copyright restrictions for Blue Marble, Sat7, USGS Topo and Digital, etc. These are used by Google Earth, MS Virtual Earth and many others.

<http://worldwind.arc.nasa.gov/java/>

I clipped, merged and tiled the FAA Sectional and TAC Charts and have served them and have them available for download from my website. They are free for non-commercial purposes.
<http://www.nlneilson.com/sectionals.html>

I use the NASA WWJ (Java) for my display and porting my apps that interact with that from Java to C++ using upp.

Subject: Re: Map support in UPP ?
Posted by [alex100](#) on Sat, 24 Jul 2010 08:03:19 GMT
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hi all,

Can not see the whole source code of the GoogleMaps example

Please, could some one provide me the whole source code?

Thanks...

Alex

PS: this is the last line i can see:

```
String cd = ToCharset(CHARSET_DEFAULT, "%c%ERROR: Invalid UTF-8 sequence: "`  
CHARSET`_UTF8`)
```

Subject: Re: Map support in UPP ?
Posted by [mirek](#) on Sun, 25 Jul 2010 07:33:50 GMT
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alex100 wrote on Sat, 24 July 2010 04:03hi all,

Can not see the whole source code of the GoogleMaps example

It is in "examples". Not sure what you mean? Where are you trying to see it?

Mirek

Subject: Re: Map support in UPP ?
Posted by [alex100](#) on Mon, 26 Jul 2010 13:15:08 GMT
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ok... ok...

I was trying to see it on the upp web page but not i see that it is also present on the NEW versions of Upp. I am using an old version.

Ok, it is solved now.

Thank you

Alex
