
Subject: Google Summer of Code 2014
Posted by [Klugier](#) on Wed, 05 Feb 2014 11:58:20 GMT
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Hello,

Persoannly, I think that Ultimate++ should parrticipate in events like Google Summer of Code. It is very important for further development of the library. First of all, we should create list of potential topics (I think that 5 polished topics should be enough). And one of the most important notice from LibreOffice site: "New tasks should be added only by those with the experience and time to invest in mentoring new developers"

Example of ideas accepted by Google:

BRL-CAD ideas
KDE ideas <- Noticed by Google in GSOC Faq
LibreOffice ideas
Mozilla ideas

External resources:

GSOC 2014 - Official Site
GSOC 2014 - Calendar
GSOC 2014 - FAQ

Ultimate++ resources:

GSOC 2014 main page
GSOC 2014 ideas
GSOC 2014 mentors page

Ultimate++ resources(deprected):

GSOC forum topic

P.S.

I am ony student, so I can not organize this event by myself. It would be funny if I will be mentor to myself.

P.S. 2

It seems that each idea should have assigned mentor(s) with e-mail adress(es). Please look at KDE or LibreOffice ideas.

P.S 3

Have we got IRC channel?

Time remaining: 0 days. (Deadline: February 14 at 19:00 UTC 2014)

=====
IDEA TEMPLATE!

--- Title of the task ---

Brief explanation:

Short project description. Explanation can possess link to additional resources like forum discussion about topic.

Expected result:

What should be the end result of the project for example "Ultimate++ works on Android platform".

Required skills/knowledge:

Like C++, Ultimate++, PHP, Java, Ruby, Python, C#, Objective-C, SQL, debugging, networking(sockets etc.), ability to read someone's code etc.

Difficulty:

piece of cake/easy/medium/hard/ultra hard/ultimate fight/impossible

Potential mentor/s(Can be more than one):

Ultimate Mentor, e-mail: ultimate.mentor@ultimate.org

Sincerely,
klugier

Subject: Re: Google Summer of Code 2014
Posted by [koldo](#) on Wed, 05 Feb 2014 16:13:15 GMT
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Hello Klugier

Thank you for your proposal. We will arrange it all.

First we will update U++ page to include GSOC 2014.

Message for everybody: Please review previous ideas page and features in Redmine, and post new ideas to be proposed to GSOC candidates. Klugier: you can also propose new ideas.

Message for the previous candidates to be mentors: Please confirm your availability.

Subject: Re: Google Summer of Code 2014
Posted by [mirek](#) on Thu, 06 Feb 2014 11:22:58 GMT
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As for ideas, what about something a bit more Google-related:

- Android support - ide (builder), GUI backend

- NaCl backend - dtto
- Touch support (raw touch input, gestures, default mapping of gestures to mouse events)
- Support for Turtle to access google-drive

....

Subject: Re: Google Summer of Code 2014
Posted by [Klugier](#) on Thu, 06 Feb 2014 12:29:19 GMT
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Hello Mirek,

I have added template for ideas in my first message in this topic. Please see and post your ideas in following formula.

Sincerely,
klugier

Subject: Re: Google Summer of Code 2014
Posted by [koldo](#) on Fri, 07 Feb 2014 09:05:19 GMT
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U++ web has been updated with new GSoC 2014 pages.
- Main page
- Ideas: Klugier template and Mirek ideas are already included

Links to very interesting documents are included.

All pages will be updated daily with your inputs.

The main priority is to add new ideas following the template and to get more mentors.

Subject: Re: Google Summer of Code 2014
Posted by [Klugier](#) on Sun, 09 Feb 2014 12:40:45 GMT
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Hello,

It seems that there is no mentors in this year. What a pity!

Sincerely,

Klugier

Subject: Re: Google Summer of Code 2014
Posted by [koldo](#) on Sun, 09 Feb 2014 13:49:56 GMT
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klugier wrote on Sun, 09 February 2014 13:40Hello,

It seems that there is no mentors in this year. What a pity!

Sincerely,
Klugier
Hello Klugier

Jan Dolinar is just added

Subject: Re: Google Summer of Code 2014
Posted by [Klugier](#) on Wed, 12 Feb 2014 19:20:09 GMT
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Hello Koldo,

Why ideas page dosen't contain any idea? It seems that Mirek committed his ideas. (SVN revision number 6900).

Koldo, did you send request to Google? Personnaly, I think that in meanwhile we can complement our ideas list. Toomorrow, I will post one.

P.S.
We have only two days to finish our application for GSOC 2014.

Sincerely,
Klugier

Subject: Re: Google Summer of Code 2014
Posted by [Klugier](#) on Thu, 13 Feb 2014 00:40:56 GMT
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Hello,

So, this is my idea beta version (Please review):

--- U++ Independend Audio Module ---

Proposed by:

Difficulty:

Hard

Required skills/knowledge

C++, C, minimal U++ knowledge, debugging, low-level programing, understanding somebody's code, reading & understanding documentation, createing multiplatform code;

Expected result:

U++ audio module works on multiple operating system such as Microsoft Windows, GNU/Linux, FreeBSD. But, we will be happy if the code will work at least on two platforms.

Brief Explanation

U++ currently handle audio only with other high level libraries for instance SDL. The main task is to create independent module. To achieve this you will need to use low level API for each operating system which U++ supports such as WinAPI or Alsa.

Mentor:

??? // <- I am looking for mentors

Roadmap:

Investigate audio libraries for each operating system which Ultimate++ supports.

Study U++ API design

Design U++ audio API

Write audio code for each platform

Sincerely,

Klugier

Subject: Re: Google Summer of Code 2014

Posted by [dolik.rce](#) on Thu, 13 Feb 2014 05:35:16 GMT

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klugier wrote on Thu, 13 February 2014 01:40Hello,

So, this is my idea beta version (Please review):

--- U++ Independend Audio Module ---

That is a good idea. I tried something similar few years ago. By then, I set the goal of creating multiplatform sound support based on portaudio library. It still rots in bazaar, because it was never reliable enough :-/ Maybe you could pick up some ideas from those packages (Sound, plugin/portaudio, plugin/waw), or finish them even finish them...

I could mentor you on the API side, but I'm afraid I don't know much on the underlying low-level stuff... As you could probably tell since I haven't been able to finish my project on the same topic

Honza

Subject: Re: Google Summer of Code 2014
Posted by [koldo](#) on Fri, 14 Feb 2014 12:44:46 GMT
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Our application has been submitted.

Subject: Re: Google Summer of Code 2014
Posted by [Klugier](#) on Fri, 14 Feb 2014 19:48:42 GMT
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Hello Koldo,

Can you separate ideas from template on the ideas site (It doesn't look very good and it can also be misleading).

I think one big line between template and ideas will be perfect.

Sincerely,
Klugier

Subject: Re: Google Summer of Code 2014
Posted by [koldo](#) on Fri, 14 Feb 2014 21:52:30 GMT
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It makes sense. It is done.
