

## Lisp in Summer Projects Submission

<b>Submission Date</b>	2013-10-01 15:58:28
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<b>Country</b>	Sweden
<b>Project Name</b>	glthing
<b>Type of software</b>	other
<b>General category</b>	art
<b>LISP dialect</b>	Common Lisp
<b>GitHub URL</b>	<a href="https://github.com/gpadd/glthing">https://github.com/gpadd/glthing</a>
<b>Did you start this project?</b>	Yes, all the code is written by me
<b>Project Description</b>	I want to describe my project in this form.
<b>Purpose</b>	It is a simple project calling some OpenGL calls, making circles which rotates and has some nice colors.
<b>Function</b>	It draws and then rotates circles.
<b>Motivation</b>	Because it was a fun project to work on and it's interesting to work with graphics.
<b>Audience</b>	People who like to watch demos or appreciate anything graphical made in lisp.
<b>Methodology</b>	<p>It draws a circle by using an algorithm that draws from point a, goes to an angle of point a which will be point b and so forth.</p> <p>So they aren't perfect circles, because the segments aren't 360, but it's much more efficient to do it this way.</p> <p>They are then rotated and drawn again.</p> <p>The drawing is made with cl-opengl (which uses OpenGL) and the window is created with cl-glut (which uses FreeGLUT).</p>
<b>Conclusion</b>	The project could be very much more thought out, it could be made much more efficient and taken a lot more time to make but that was probably the best part of it, that it was made in

such a short time.

There isn't a lot one can do with this piece of code, except execute it and look at some art, but it could be used for someone who wants to start with graphics, but doesn't have any idea what to make.

This project is a simple but interesting example of what one can do.

### Build Instructions

Install Quicklisp first, to be able to get all the libraries it uses (cl-opengl, cl-glu, cl-glut and bordeaux-threads).

### Execution Instructions

Go into the glthing directory.

Run your implementation of choice from there, run:

```
(load "glthing.asd")
```

and then:

```
(ql:quickload 'glthing)
```

and finally to run the project:

```
(glthing::run-stuff)
```

### Screen shots

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[glthingscreenshot.png](#)

### Official

I have read rules and have abided by them.

I am 18 years of age or older.

I am not living in Brazil, Quebec, Saudi Arabia, Cuba, Iran, Myanmar (Burma), North Korea, Sudan, or Syria.