

ubuntu 

Opportunistic
Programming

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Florence, Italy.

June, 20-26 2011



Hi everybody, thanks for coming!

Today we'll see how to create your project in Ubuntu reaching millions Ubuntu users in the world.



My name's Paolo Sammicheli, I'm an Ubuntu Member from the Italian Community.

I'm involved in several things: marketing, testing, translation and so on... and yes, I do speech a lot at conferences :)



<http://paolo.sammiche.li/europython/>

Let's start with a good news. You don't have to take notes! Slides in PDF format with notes and links for further information are already available at this link.



Let's start talking about LAUNCHPAD.



Wikipedia says “A launchpad is the area and facilities where rockets or spacecraft lift off.”

Something like this.

But we don't have to go into the space, so we'll talk about another launchpad.

Recent Launchpad blog posts

[Launchpad is on Facebook](#) – 17 Apr 2011

Get Launchpad news and other great stuff with our Facebook page.

[Let's explore](#) – 12 Apr 2011

Rather than just testing the quality of our code, we also want to test the quality of the experience. To do that, we've been doing more exploratory testing.

[Source package recipes](#) – 06 Apr 2011

How do you turn a Bazaar branch into an installable Ubuntu package? Why, with a source package recipe.

[Launchpad needs a command line](#) – 18 Mar 2011

What we don't yet have, and what I think would be great, is a systematic client that lets you manipulate everything from the command line.

[pad.lv: short Launchpad URLs](#) – 18 Mar 2011

pad.lv: transparent short URLs for bugs, and other things including projects, people, bug-filing forms, packages, and more.

[Bug search no longer does substring matching of source package names](#) – 16 Feb 2011

Bug searching no longer does substring matching on the bug context.

[Launchpad now open source](#) – 21 Jul 2009

Get the code to Launchpad and join our development community.

[Read the blog](#)

 Search Launchpad

22,573 projects, 761,903 bugs, 379,928 branches, 1,688,206 translations, 152,285 answers, 34,623 blueprints, and counting...

Get started

Learn more about Launchpad in the [user guide](#) or try it for yourself in our [sandbox environment](#).

If you're ready, you can:

[Register a project](#)

[Register a team](#)

[Browse bugs](#)

[Help translate](#)

[Find answers](#)

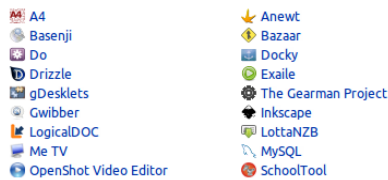
[Browse Ubuntu PPAs](#)

[Take the tour](#)

Featured projects



BeeSeek is a project to build a free, open-source search engine based on a peer to peer technology.



This is the LAUNCHPAD we'll talk about.

It's a free software web application, created by Canonical for the Ubuntu development, available free of charge for any free software project.

Andrea Colangelo

Overview Code Bugs Blueprints Translations Answers

BeeSeek Member and Ubuntu Developer.

My interests in Ubuntu include:

- * QA activities
- * Science packages
- * Games packages
- * Python applications and modules

--

<http://andreacolangelo.com>

Free Software, Free Society.

[Related software and packages](#)

User information

Launchpad Id:
warp10

Email:
andrea.colangelo@gmail.com
andrea.colangelo@beeseek.org
warp10@ubuntu.com

Jabber:
andrea.colangelo@gmail.com

Member since:
2005-10-19

Signed Ubuntu Code of Conduct:
Yes

Wiki:
<http://wiki.beeseek.org/AndreaColangelo>
<http://wiki.ubuntu-it.org/AndreaColangelo>
<https://wiki.ubuntu.com/AndreaColangelo>

IRC:
warp10 on network irc.oftc.net
warp10 on network irc.freenode.net

OpenPGP keys:
084651AF

Languages:
English, English (United Kingdom), Italian

Time zone:
Europe/Rome

SSH keys:
warp10@enterprise
andrea@starfleet
warp10@stargazer

Karma:
746

Assigned bugs [All bugs in progress](#)

- #534368 It is not clear enough how to start using beeseek.
in BeeSeek Wiki, BeeSeek Website
- #553950 Introduction/Tutorial of BeeSeek Would Help New Users
in BeeSeek Wiki
- #239384 Sarg cron scripts don't generate logs correctly
in Ubuntu
- #491120 Bug in typemaps makes enable unusable under Python 2.6
in Ubuntu

When you sign in you get a personal profile like this.

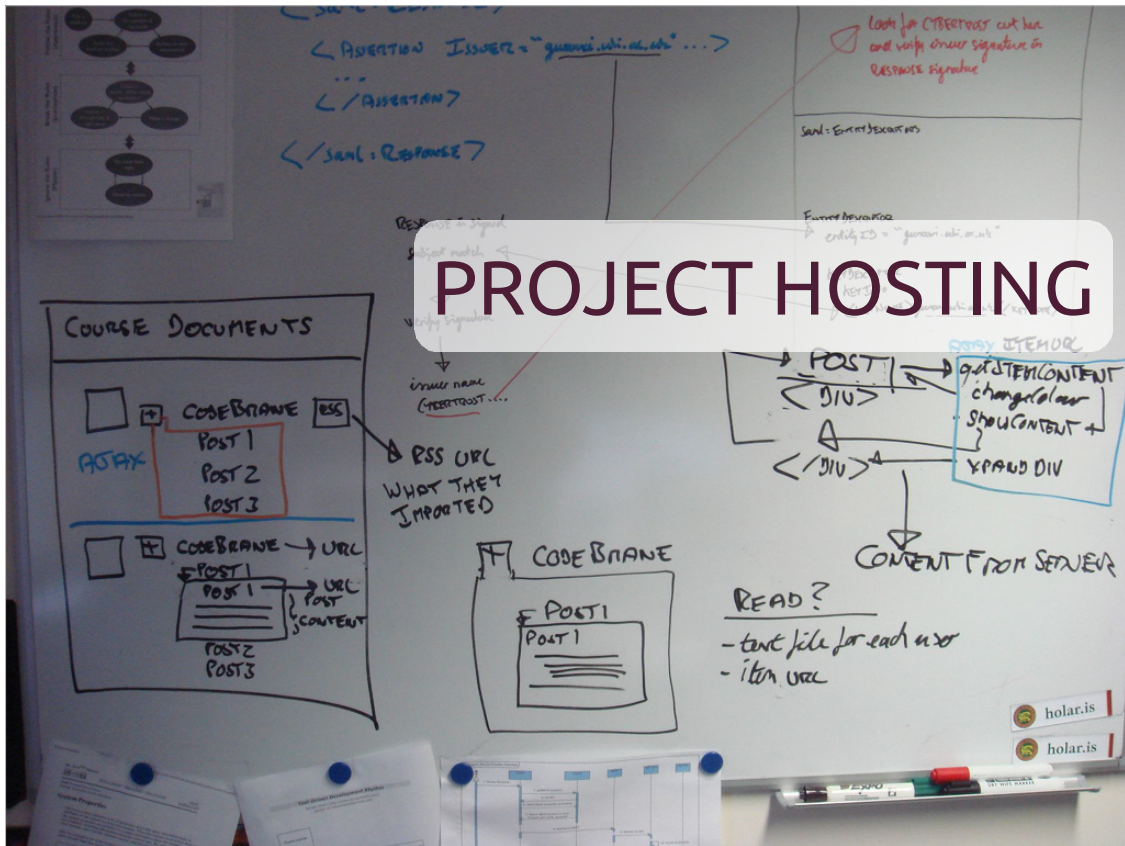
Into a personal profile you'll find all the user information (irc nick, gpg key), what he's working on, team membership, links to external wiki pages and so on.

There's also a way to contact the person with a web form if the email address has been marked hidden by that person.

In Ubuntu we have a Code of Conduct you need to sign before to join. It's hosted in this profile page with its sign.



The screenshot shows the 'A4 Developers' team page on Launchpad. At the top, there's a navigation bar with 'Overview' selected, and other tabs for 'Code', 'Bugs', 'Blueprints', 'Translations', and 'Answers'. The team name 'A4 Developers' is prominently displayed. Below it, a brief description states: 'This team develops A4, a stylish tool to create cute presentations. If you are interested in joining our effort, feel free to contribute with your code, and apply for membership!'. The team's homepage is listed as 'https://launchpad.net/a4'. On the right side, there are several action buttons: 'Public team', 'Contact this team's members', 'Change details', 'Delete', 'Add one of my teams', and 'Leave the Team'. Below these, there's a 'Polls' section indicating 'No current polls' and a 'Show polls' button. The main content area is divided into several sections: 'Team details' showing 10 active members and 2 proposed members, with an 'Add member' button; 'Personal package archives' listing 'A4 Daily-builds PPA' and 'The Official A4 PPA'; 'Mailing list' with the email 'a4-dev@lists.launchpad.net' and an 'Unsubscribe' button; and 'Related projects' showing 'A4'. The user 'warp10' is logged in, as indicated in the top right corner.

In Launchpad you can create Teams in which you can have shared resources, like the PPAs (we'll discuss later about it) and for each team, launchpad can provide a mailing list making easier to collaborate.



The most interesting thing about Launchpad is the project hosting.

You can register in Launchpad any free software project, free of charge.

A4  

Overview Code Bugs Blueprints Translations Answers

Registered 2010-05-20 by [Andrea Corbellini](#)

A stylish tool to create really cool presentations.

A4 is an editor and viewer of presentations. Differently from tools like OpenOffice.org Impress or Microsoft Powerpoint, A4 includes the whole presentation in a single, endless virtual canvas. Instead of creating boring slides, you can choose a sequence of regions where the view should focus during your presentation.

Transitions between regions are automagically done by A4 that will link them using animations that will make your presentation really cool and clean.

Disclaimer: No Perl programmers were harmed while writing this software.

= Get it =

The A4 PPA contains the latest deb packages for Ubuntu. Check it out at <https://launchpad.net/~a4-dev/+archive/a4-ppa>! If you are using a different distribution or operating system, check the downloads page: <https://launchpad.net/a4/+download>.



= Status =


Being under active development, currently A4 is just a viewer, but the editor will be implemented soon. The final A4 release will give you a full player and editor, and the possibility to incorporate videos, images and audio in your presentations.



[Change branding](#)


[Home page](#) [External downloads](#)


Project information




Maintainer:
 A4 Developers 


Development focus:
 trunk series 

 lp:a4 

 Browse the code


 RDF metadata

Driver:
 A4 Developers  

Programming Languages:
 Python 


Licenses:
 GNU GPL v3


Series and milestones [View full history](#)





0.01 0.02 0.03 0.06 0.08 2010-10-12



Get Involved

[Report a bug](#) 


[Ask a question](#) 

[Submit code](#) 

[Register a blueprint](#) 

 Help translate 


Configuration Progress




[Configuration options](#)

Downloads


Latest version is 0.03

[a4_0.03-0-p...ick_all.deb](#) 

[a4_0.03.tar.gz](#) 

released on 2010-10-12

[All downloads](#)

Announcements 

A4 0.03 is out! on 2010-10-12
 The A4 Development Team is proud to introduce you the second alpha-stable (ci...

This is an example of a Project Home Page on Launchpad. On the top you can see a navigation bar which shown all the Launchpad features.

Let's take a look at it.

```

} elseif ($data['type'] == "dropdown") {
    $count = $data['number'];
    $call = $data['contents'];
    echo "<select name=\"\", $data['name'
    for($i = 0; $i < $count; $i++) {
        $value = $i + 1;
        echo "<option value=\"\$value\"
        if($value == $data[5]) {
            echo " selected";
        }
        echo "> $call[$i]\n";
    }
    eif ($data['type'] == "dropdown2")
    $count = $data['number'];
    $call = $data['contents'];
    echo "<select name=\"\", $data['name'
    n";
    reach ($call as $c) {
        echo "\t\t<option value=\"\"
        if($value == $data['default'
            echo " selected";
        }
    }
    echo ">", $call

```

CODE HOSTING

Launchpad can keep your source code. You can use BAZAAR as revision system making easier publishing your code and get contribution from someone else.

A4 Overview **Code** Bugs Blueprints Translations Answers

Bazaar branches of A4

A4 » Code

You can [browse the source code](#) for the development focus branch or get a copy of the branch using the command:

```
bzr branch lp:a4
```

There are [download files](#) available for A4.

A4 has 6 active branches owned by 3 people and 1 team. There were 0 commits in the last month.

Branches with status: **Any active status** by **most interesting**

Name	Status	Last Modified	Last Commit
lp:a4 Series: trunk	Development	8 weeks ago	114. made setup.py executable
lp:~francesco-marella/a4/add-recents	Development	7 weeks ago	115. wip: add recent opened presentations
lp:~a4-dev/a4/debian-packaging	Development	8 weeks ago	14. depending on intltool
lp:~a4-dev/a4/presentations	Development	19 weeks ago	3. making a test presentation with grid ...
lp:~daniele-de-luca/a4/cairo-controls-test	Development	23 weeks ago	53. Zoom level bar
lp:~andrea-gualano/a4/fix-600784	Development	23 weeks ago	74. Use exponential zoom

launchpad • [Take the tour](#) • [Read the guide](#)

© 2004-2011 Canonical Ltd. • [Terms of use](#) • [Contact Launchpad Support](#) • [System status](#) • [r12883 \(get the code\)](#)

Bazaar allow you to create a personal branch of a software project, developing a patch and then send it to the original owner for inclusion. It's called “merge proposal”.

This process make easier code contribution and enable new people to get their feet wet with easy changes.



For every software project there's also a bug tracking system.

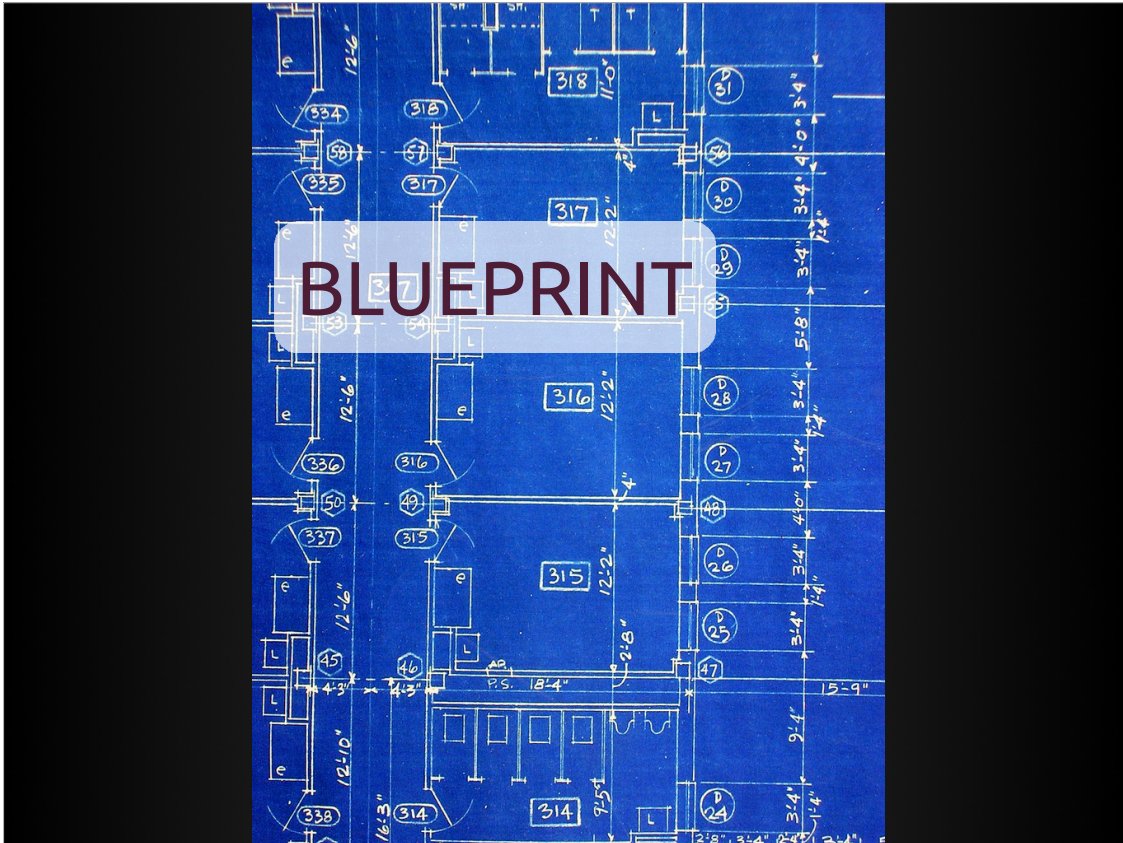
The screenshot displays the A4 bug tracker interface. At the top, there is a navigation bar with links for Overview, Code, Bugs (selected), Blueprints, Translations, and Answers. The main heading is "Bugs in A4". Below the heading, there is a search bar with a dropdown menu set to "by importance" and a "Search" button. To the right of the search bar, there are buttons for "Report a bug" and "Ask a question", and a link to "Configure bug tracker".

The "Hot bugs" section contains a table with the following data:

Summary	Status	Importance	Last changed
#672783 Absolutely insane memory usage during extreme zooming	Triaged	Critical	on 2010-12-25
#704690 Add support for i18n	Fix Committed	Medium	on 2011-02-25
#600787 A4 should have real fullscreen	Confirmed	Low	on 2011-02-15
#672187 Excessive CPU usage	Confirmed	High	on 2010-12-17
#613534 Arrow keys doesn't work properly	Confirmed	Low	on 2010-12-17
#605310 Configurable keyboard shortcuts	Confirmed	Low	on 2010-12-31
#721587 List of recently opened presentations	New	Low	on 2011-02-20
#611989 A4 should have keybindings for every major GUI functionality	In Progress	Low	on 2011-01-20
#616806 Create a schema for the XML metadata	New	Wishlist	on 2010-12-31
#695061 Il mouse non è coordinato con le immagini	New	Undecided	on 2010-12-28

Below the table, there is a link "Show all bugs by heat". On the right side, there are several utility boxes: "Bug supervisor" (A4 Developers), "Security contact" (A4 Developers), a summary of bug counts (6 New bugs, 17 Open bugs, 2 In-progress bugs, 1 Critical bug, 2 High importance bugs), and "Tags" (math, metadata, performance, usability).

Your users can send you bug reports with launchpad and they would be notified when the problem is solved.



There's also a BLUEPRINT module for software specification. The blueprint's name comes from engineering, where the old projects were drafted in a blue paper like this.



Comunità italiana di Ubuntu

Overview Code Bugs **Blueprints** Translations Answers

Ubuntu Party

Ubuntu-it » Blueprints » **Ubuntu Party**

Registered by  Paolo Sammicelli on 2009-10-19

Scopo di questo progetto è l'organizzazione di una giornata, aperta al grande pubblico, di promozione di Ubuntu.

[Read the full specification](#)

Blueprint information

Status: Started	Approver:  Ubuntu Italian Locoteam Council	Related branches Link a related branch
Priority: Undefined	Drafter:  Dario Cavedon	Related bugs Link a bug report
Direction: Needs approval	Assignee:  Paolo Sammicelli	Sprints Propose for sprint
Definition: New	Series goal: None 	
Implementation: Started	Milestone target: None	

Started by
 Paolo Sammicelli on 2009-10-19

Feedback requests
[Request feedback](#)

Whiteboard

1* Ubuntu Party 29 Aprile 1 Maggio a Schio (Vicenza)

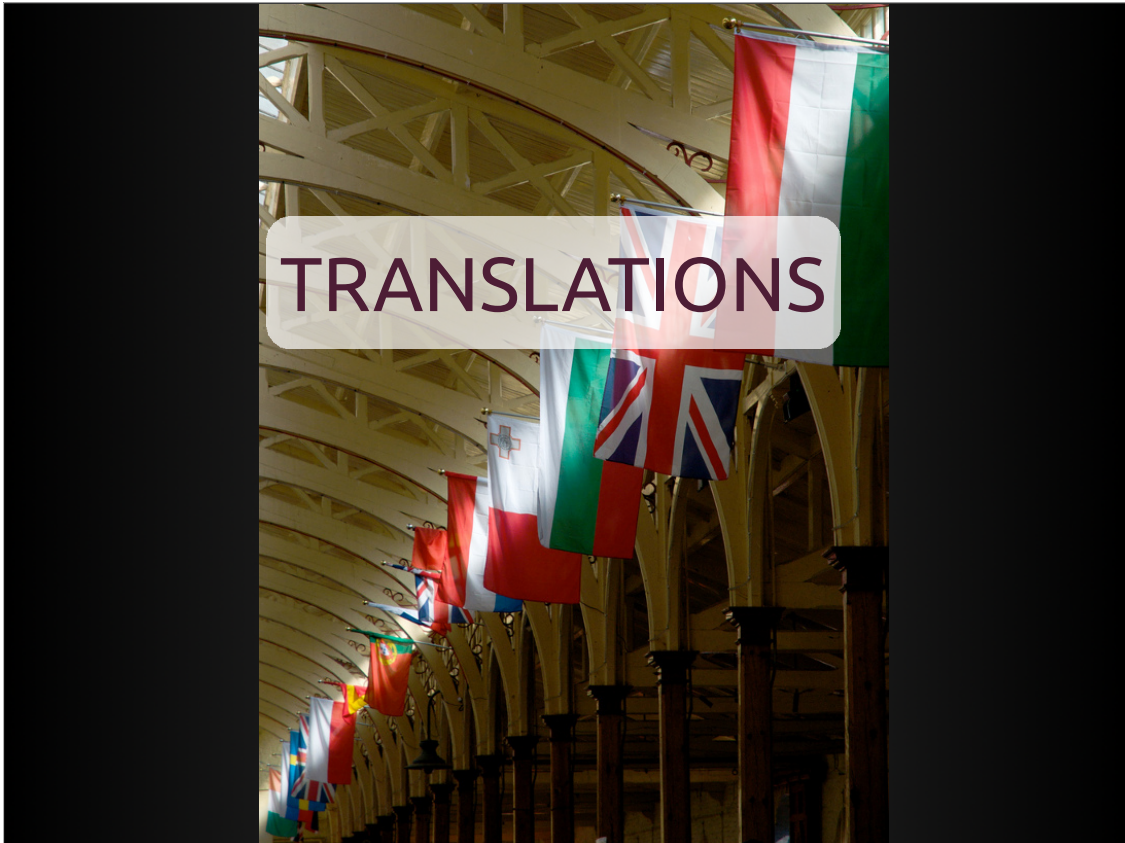
 warp10 [Log Out](#)

[Subscribe](#)
[Subscribe someone else](#)


Subscribers
 LoReNicolò
 RenatoCampanini

You can write software specification and tracking dependencies, progress and priority very easily.

It's a so powerful feature that you can use it also for non software projects: this is a Blueprint for organizing a conference here in Italy.





Launchpad allows your project to be translated in several languages.




Ubuntu
warp10 [Log Out](#)

[Overview](#)
[Code](#)
[Bugs](#)
[Blueprints](#)
Translations
[Answers](#)

Translatable templates

Ubuntu » Natty (11.04) » Translations » Italian (it)

These  Ubuntu translations are managed by  Traduttori Italiani del software di Ubuntu.

Your suggestions will be held for review by  Traduttori Italiani del software di Ubuntu. If you need help, or your translations are not being reviewed, please get in touch with  Traduttori Italiani del software di Ubuntu. Templates which are more important to translate are listed first.

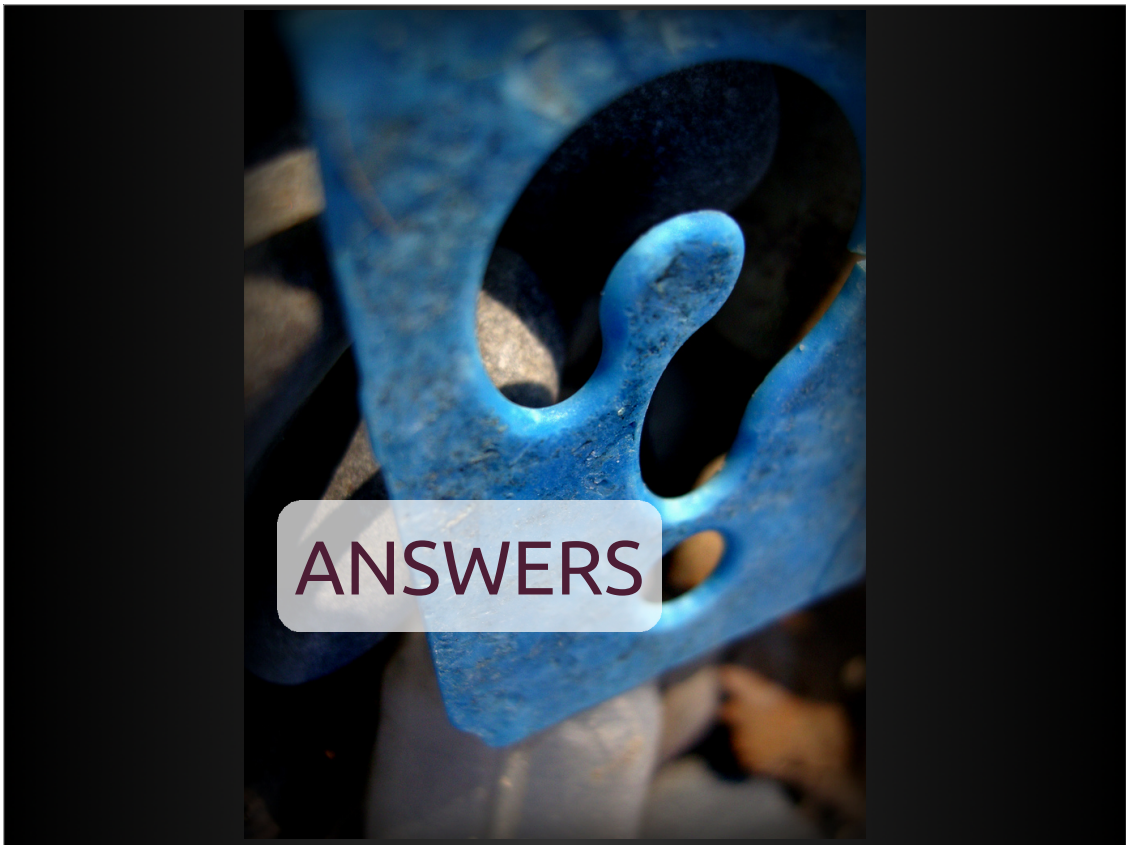
1 → 75 of 1423 results First • Previous • **Next** ► • Last

Template Name	Length	Status	Untranslated	Need review	Changed	Last Edited	By
bootloader	77	<div style="width: 100%; height: 10px; background-color: green;"></div>	—	—	—	2010-11-04	Milo Casagrande
debian-installer	1614	<div style="width: 100%; height: 10px; background-color: green;"></div>	—	—	3	2010-05-09	Milo Casagrande
debian-installer-help	177	<div style="width: 100%; height: 10px; background-color: green;"></div>	—	—	1	2011-03-26	Milo Casagrande
ubiquity-debconf	235	<div style="width: 100%; height: 10px; background-color: green;"></div>	—	—	1	2011-04-12	Luca Ferretti
ubiquity-desktop	3	<div style="width: 100%; height: 10px; background-color: green;"></div>	—	—	—	2009-10-29	Luca Ferretti
ubiquity-slideshow-edubuntu	122	<div style="width: 90%; height: 10px; background-color: green; background-image: linear-gradient(to right, red 10%, green 10%);"></div>	29	34	—	2011-04-13	Luca Chiodini
ubiquity-slideshow-kubuntu	48	<div style="width: 100%; height: 10px; background-color: green;"></div>	—	—	—	2011-04-07	newlife
ubiquity-slideshow-oem-config-ubuntu	49	<div style="width: 100%; height: 10px; background-color: green;"></div>	—	—	—	2011-04-04	Milo Casagrande
ubiquity-slideshow-ubuntu	49	<div style="width: 100%; height: 10px; background-color: green;"></div>	—	—	—	2011-04-14	Sergio Zanchetta
ubiquity-slideshow-xubuntu	44	<div style="width: 100%; height: 10px; background-color: green;"></div>	—	—	—	2011-04-07	Sergio Zanchetta
ubiquity-slideshow-lubuntu	50	<div style="width: 100%; height: 10px; background-color: green;"></div>	—	—	—	2011-04-13	Milo Casagrande
unity	29	<div style="width: 100%; height: 10px; background-color: green;"></div>	—	1	1	22 hours ago	Luca Ferretti
unity-place-applications	40	<div style="width: 100%; height: 10px; background-color: green;"></div>	—	—	—	2011-03-19	Luca Ferretti
unity-place-files	63	<div style="width: 100%; height: 10px; background-color: green;"></div>	—	—	—	2011-03-19	Luca Ferretti
unity-2d	22	<div style="width: 100%; height: 10px; background-color: green;"></div>	—	—	—	22 hours ago	Mario Guerriero
indicator-datetime	49	<div style="width: 100%; height: 10px; background-color: green;"></div>	—	—	1	2011-04-11	Luca Ferretti
indicator-me	12	<div style="width: 100%; height: 10px; background-color: green;"></div>	—	—	—	2011-03-06	Luca Ferretti
indicator-session	43	<div style="width: 100%; height: 10px; background-color: green;"></div>	—	—	—	2011-02-21	Sergio Zanchetta
indicator-sound	5	<div style="width: 100%; height: 10px; background-color: green;"></div>	—	—	—	2011-03-19	Luca Ferretti

Translations can be made with the web interface or downloading and uploading po files.

You can assign the translation to structured teams or keeping it open to anyone.

For the Italian language we recommend the structured team because you will get a smooth review process for every translation producing high quality results.



Last but not least, Launchpad provides a Question and Answer system. You can use it for communicate with your users and it allows users to help each other.

Ubuntu Overview Code Bugs Blueprints Translations **Answers**

warp10 • Log Out

Can't play DVD or certain audio CD

Ubuntu » "totem" package » Questions » Question #153424

Asked by Maris Viktors Ozols on 2011-04-19

Says that plug in required to play MP3, searches for it but can't find it. Doesn't indicate what I should do next.

Question information

Language: English	Status: Solved	Related bugs: Link existing bug
For: Ubuntu totem	Assignee: No assignee	Related FAQ: None
Solved by: arochester	Solved: 2011-04-20	
Last query: 2011-04-20	Last reply: 2011-04-19	

Maris Viktors Ozols said on 2011-04-19:

The playback of this movie requires a MPEG-1 Layer 3 (MP3) decoder plugin which is not installed.

arochester said on 2011-04-19: ★

Install ubuntu-restricted-extras to get MP3 playback - <https://help.ubuntu.com/community/RestrictedFormats/>

To watch a commercial, encrypted, movie on DVD install Medibuntu Repository and the package libdvcss2 - <http://medibuntu.org/repository.php>

Maris Viktors Ozols said on 2011-04-20:

The first part worked and I can now listen to the rogue cd (thanks!). However, nothing at all happens when I insert the dvd, which is one of those given free with the sunday papers. The

Subscribers

- Maris Viktors Ozols
- arochester

Also notified:

- Abhishek Ameria
- Adi Nugroho
- Andrés
- Bhavani Shankar
- Bryan Haskins
- Cameron W
- Christian Reese
- Chuck
- Cuzama
- David Phyo
- Dhedhi Mahesh
- Digvijay Patankar
- Dmitri Alenitchev
- Drvibe
- FewClues
- Fhabel
- GAB
- Hemanth
- J.Ramesh
- Jayaprakash Munta
- Jeruvy
- Johan-Martijn
- Joostkam
- Kishan Gupta
- Laurie

Answer has multi language support.

Users willing to help register the languages they know and the system propose to ask question in all languages supported by the volunteers.



You may already know that for installing software in Ubuntu (and in Debian) you need a DEB package.

The screenshot shows the Launchpad page for the 'A4 Developers' PPA. The page title is 'The Official A4 PPA' and it includes navigation links for Overview, Code, Bugs, Blueprints, Translations, and Answers. The PPA description states that it contains software created by A4 Developers and is still under active development. It also includes a disclaimer about Fedora developers. The page provides instructions on how to upload packages using the 'dput' command and how to add the PPA to a system. A 'Latest updates' section shows three successful builds. The 'PPA statistics' section indicates that 0 updates were added in the past month. At the bottom, there is an overview of all packages published in the PPA, with a table showing two packages: 'a4' and 'a4-lucid', both uploaded by Andrea Colangelo.

A4 Developers
 Overview Code Bugs Blueprints Translations Answers

The Official A4 PPA
 "A4 Developers" team » The Official A4 PPA

PPA description

This PPA contains packages for the software created by A4 Developers. A4 is still under active development: use it at your own risk.

Disclaimer: no Fedora developers were harmed during the building of these packages.

Uploading packages to this PPA

You can upload packages to this PPA using:

```
dput ppa:a4-dev/a4-ppa <source.changes> \(Read about uploading\)
```

Adding this PPA to your system

You can update your system with unsupported packages from this untrusted PPA by adding `ppa:a4-dev/a4-ppa` to your system's Software Sources. [\(Read about installing\)](#)

[Technical details about this PPA](#)

For questions and bugs with software in this PPA please contact [A4 Developers](#).

PPA statistics

Activity
 0 updates added during the past month.

Latest updates

- a4 27 weeks ago Successfully built ✓
- a4 40 weeks ago Successfully built ✓
- a4 40 weeks ago Successfully built ✓

Overview of all packages published in Any series Filter [View package details](#)

1 → 3 of 3 results First • Previous • Next • Last

Package	Version	Uploaded by
a4	0.03-0-ppa1	Andrea Colangelo (2010-10-12)
a4	0.02-0-ppa1-lucid	Andrea Colangelo (2010-07-12)

The Launchpad module called PPA make easier for anyone to distribute his software on a package repository.



And now let's take a look to Quickly.

Quickly it's a tool, initially developed by the Ubuntu Platform Leader Rick Spencer for make easier developing a new application in Ubuntu.



A common problem for anybody who start programming in a Linux distribution is the huge choice of things.

Which language: C, C++, Vala, Python, Perl, Java o C#?

Which library? QT o GTK? Why not WxWindow?

And which IDE!?!?



Quickly is organized in templates. These templates provides common choices making easier getting a consistent route for a newcomer.

What if you don't like a template? Well, you can even create your own template: <http://goo.gl/ieFSk>



The first available template is called ubuntu-application. It provides:

- Python
- GTK 2
- pygtk

(in natty it's started the transition to PyGI and in Oneiric will be ported to GTK3)

Tools available:

- GLADE for interfaces design
- GEDIT for coding (or you favorite text editor)



Ubuntu-pygame is a template designed for Python games.



With the last Quickly release, available in Ubuntu 11.04, there's a new template for Adobe Flash Games. In this case quickly works only like a publishing helper because all the development stuff are done into the flash tools.



Last not least, if you don't have to design an end user graphical application you can use `ubuntu-cli` which provides a command line interface template.

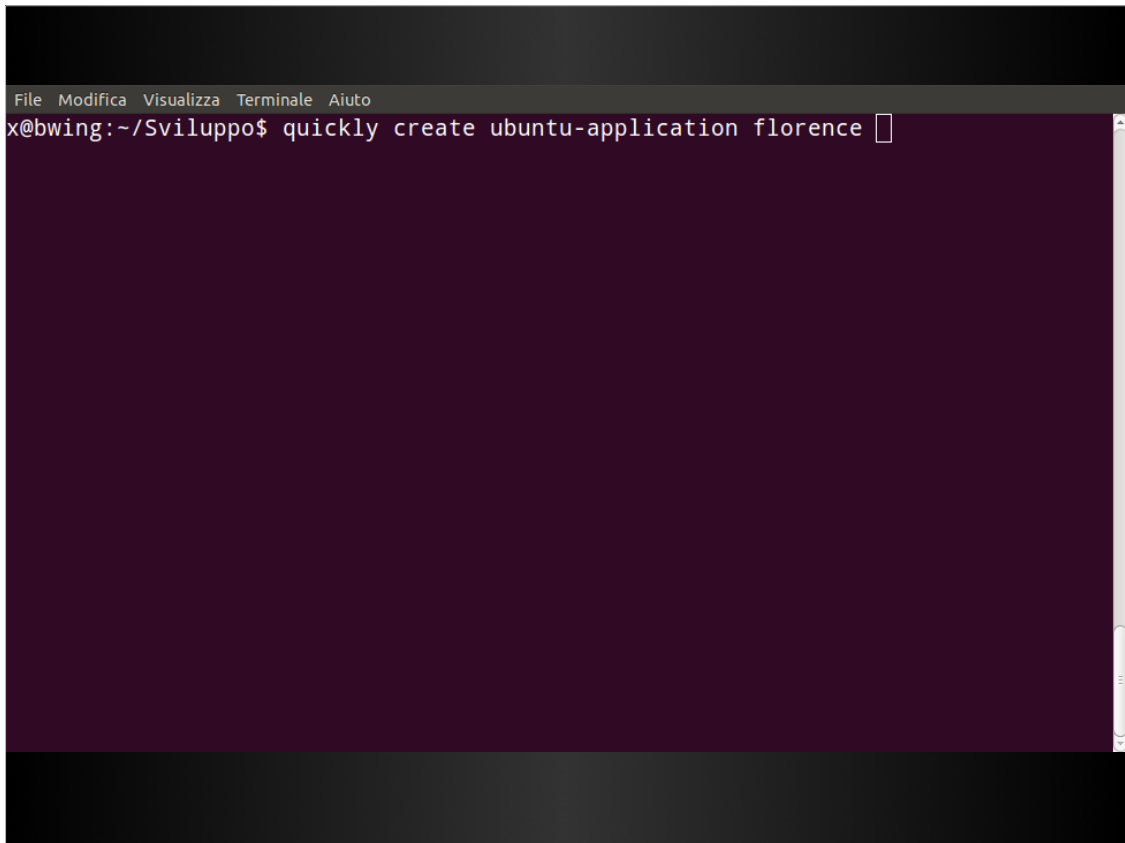


Let's try with **ubuntu-application** template because it's the most generalized template and it's available in all quickly releases.

All the commands I will show you during this presentation are available in both Ubuntu 10.04 LTS and Ubuntu 11.04.

PROJECT CREATION

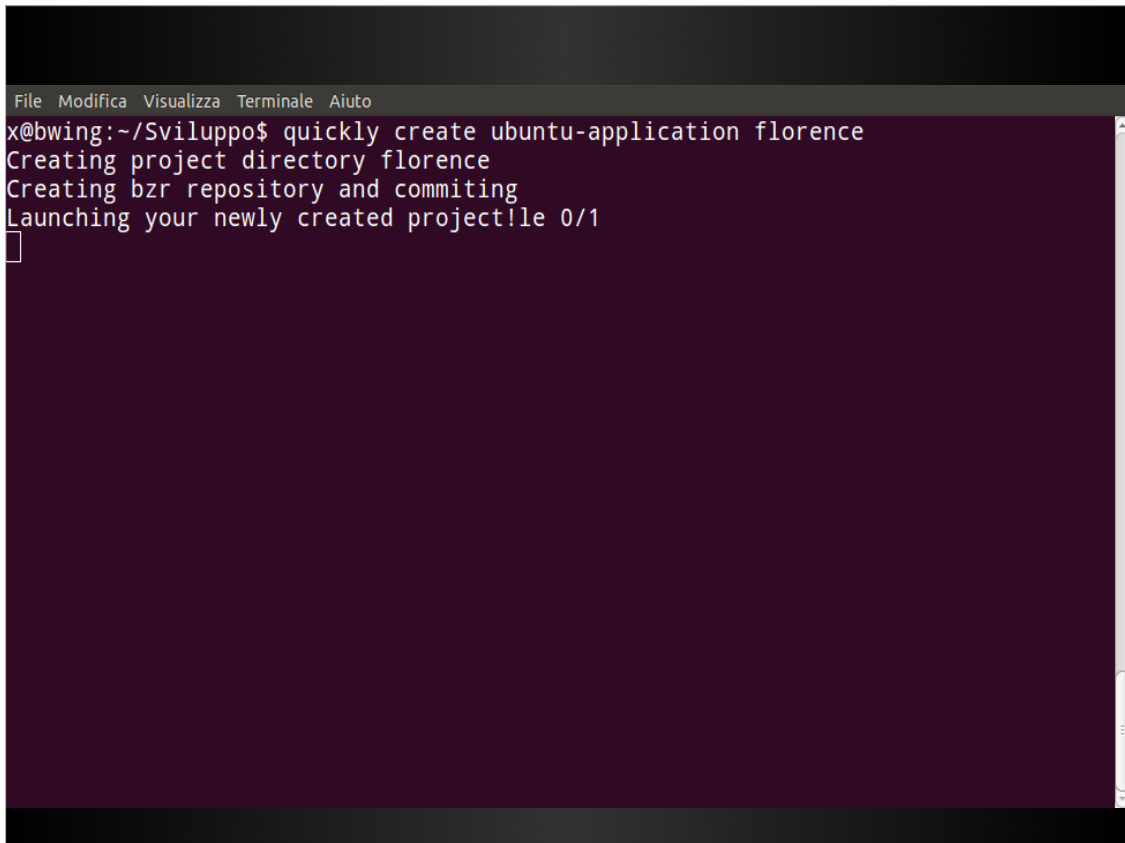
Let's see how to create a new project.

A screenshot of a terminal window with a dark purple background. The window title bar at the top shows 'File Modifica Visualizza Terminale Aiuto'. The terminal prompt is 'x@bwing:~/Sviluppo\$' followed by the command 'quickly create ubuntu-application florence' and a cursor. The rest of the terminal area is empty.

Quickly is a command line tool, very very easy to learn. It provides a small set of directive very easy to remember. And auto-completion with “tab” key.

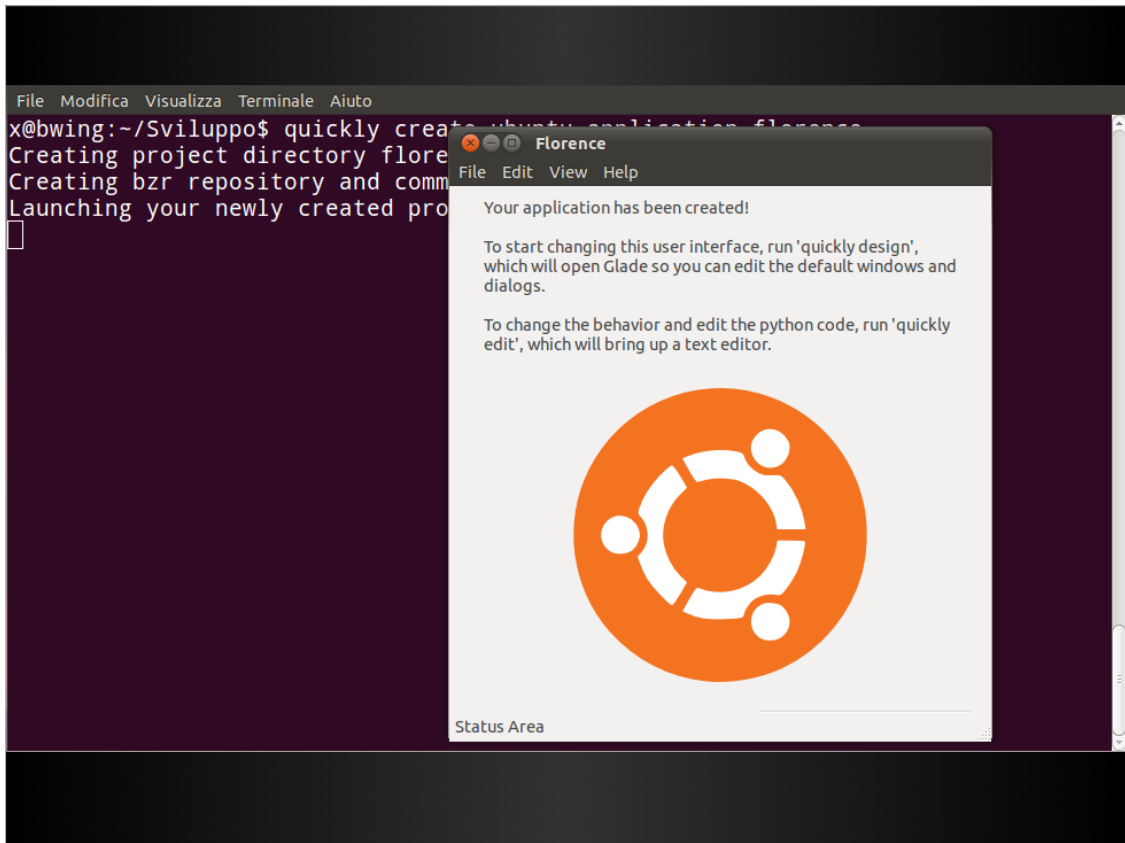
With the CREATE directive we select the template and we define the project name.

Being in the city of Florence, let's call it “florence”.

A terminal window with a dark purple background and a grey title bar. The title bar contains the text 'File Modifica Visualizza Terminale Aiuto'. The terminal shows the following text:

```
x@bwing:~/Sviluppo$ quickly create ubuntu-application florence
Creating project directory florence
Creating bazaar repository and committing
Launching your newly created project!le 0/1
█
```

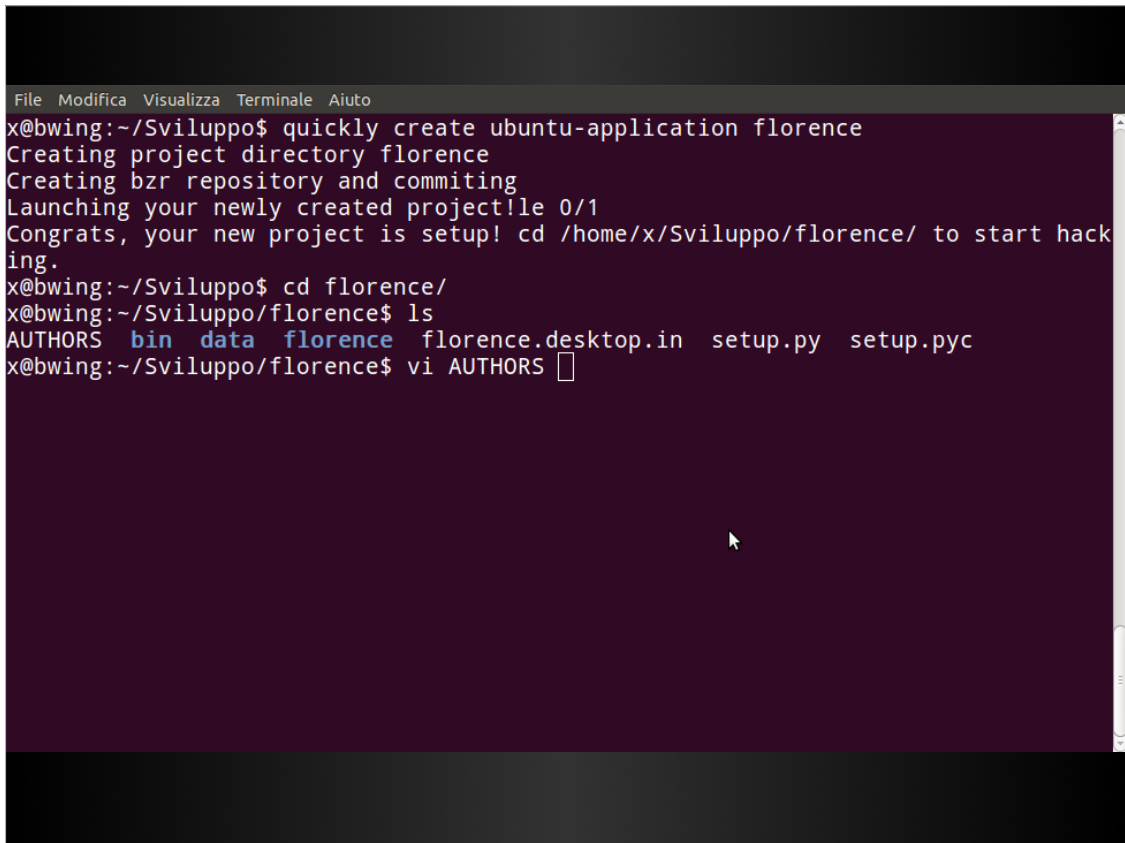
Quickly will create the project structure, will create a local bazaar repository where to save the project and then it runs the application created.



Here is it! As you can see it's a very simple application based on a single window.

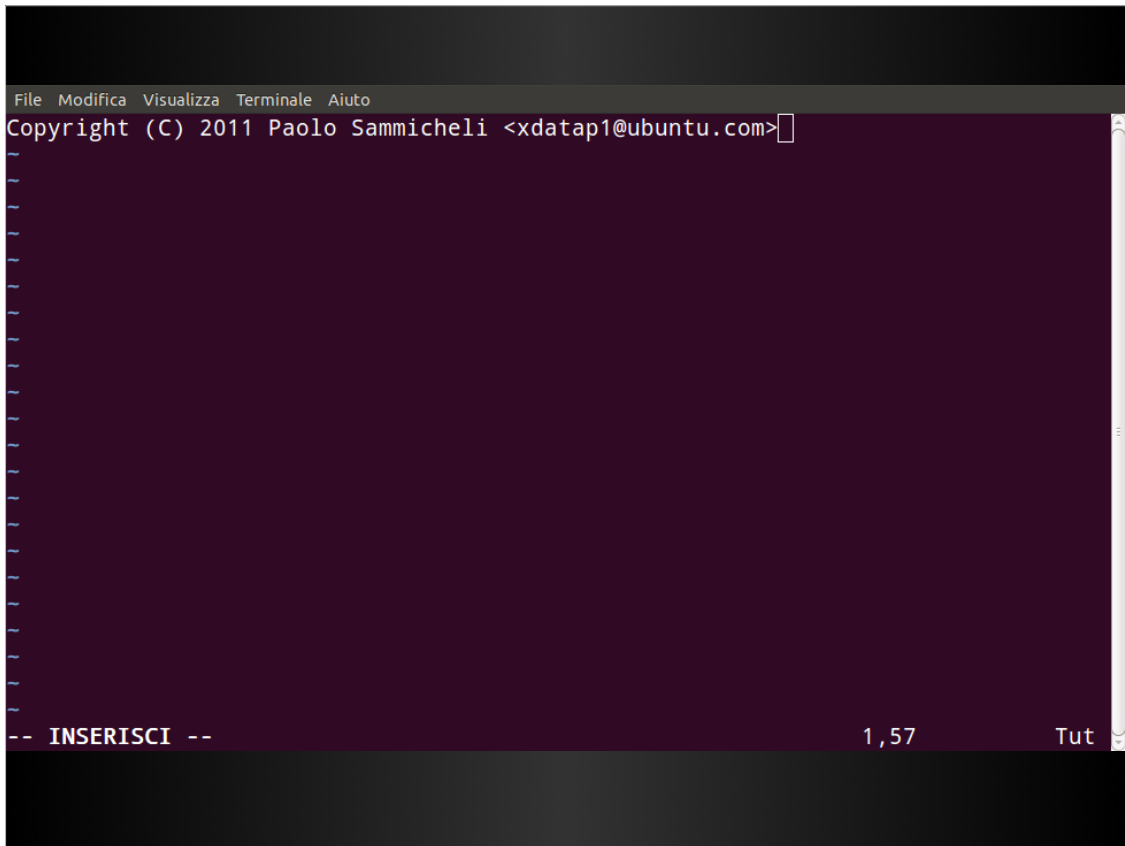
```
File Modifica Visualizza Terminale Aiuto
x@bwing:~/Sviluppo$ quickly create ubuntu-application florence
Creating project directory florence
Creating bazaar repository and committing
Launching your newly created project!le 0/1
Congrats, your new project is setup! cd /home/x/Sviluppo/florence/ to start hacking.
x@bwing:~/Sviluppo$ cd florence/
x@bwing:~/Sviluppo/florence$ ls
AUTHORS  bin  data  florence  florence.desktop.in  setup.py  setup.pyc
x@bwing:~/Sviluppo/florence$
```

Inside the newly created directory there's our project structure.



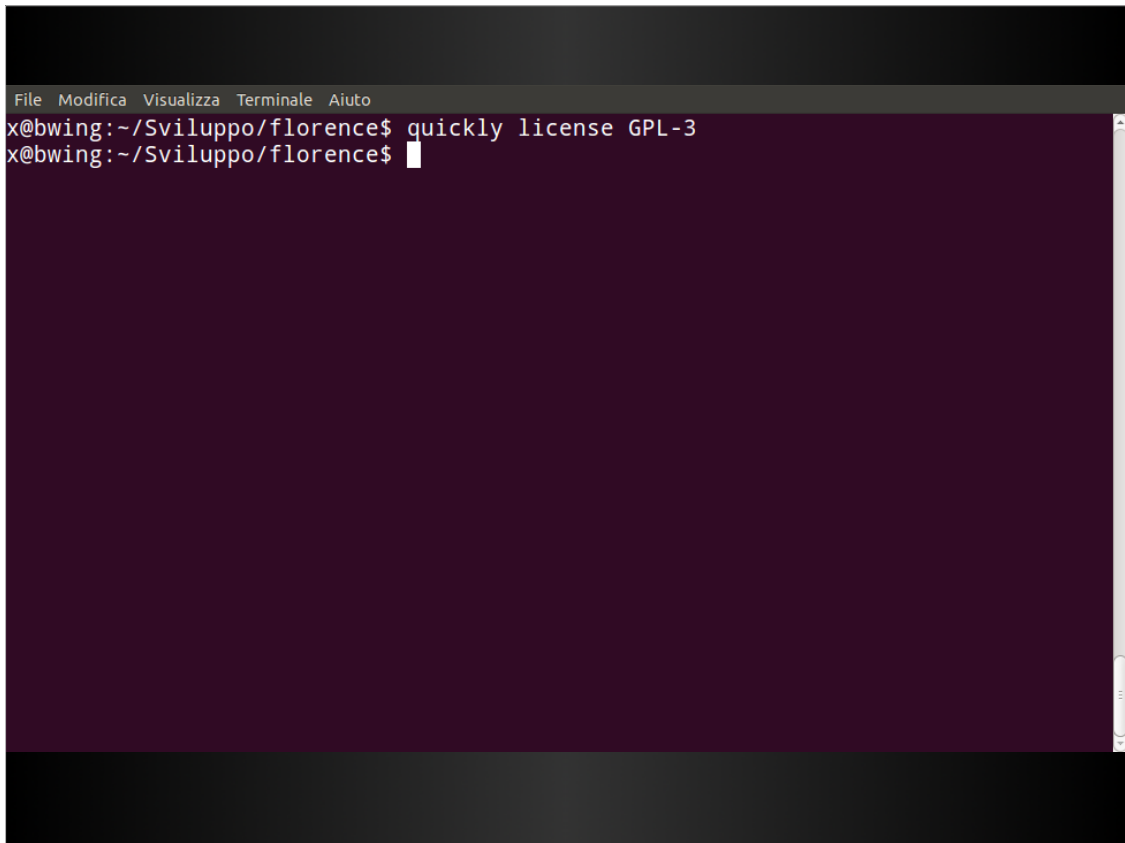
```
File Modifica Visualizza Terminale Aiuto
x@bwing:~/Sviluppo$ quickly create ubuntu-application florence
Creating project directory florence
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Launching your newly created project!le 0/1
Congrats, your new project is setup! cd /home/x/Sviluppo/florence/ to start hacking.
x@bwing:~/Sviluppo$ cd florence/
x@bwing:~/Sviluppo/florence$ ls
AUTHORS bin data florence florence.desktop.in setup.py setup.pyc
x@bwing:~/Sviluppo/florence$ vi AUTHORS
```

First thing I suggest is to fill the AUTHORS file so you can forget about it and having fun programming. :)



The image shows a terminal window with a dark purple background. At the top, there is a menu bar with the items "File", "Modifica", "Visualizza", "Terminale", and "Aiuto". Below the menu bar, the text "Copyright (C) 2011 Paolo Sammicheli <xdatap1@ubuntu.com>" is displayed, followed by a cursor. The terminal is mostly empty, with a few small characters on the left side. At the bottom, there is a status bar with the text "-- INSERISCI --" on the left, "1,57" in the center, and "Tut" on the right.

Put your name, year and email in the AUTHORS file.

A terminal window with a dark purple background and a black title bar. The title bar contains the text "File Modifica Visualizza Terminale Aiuto". The terminal shows the prompt "x@bwing:~/Sviluppo/florence\$" followed by the command "quickly license GPL-3". The prompt "x@bwing:~/Sviluppo/florence\$" appears again on the next line, with a white cursor character. On the right side of the terminal, there are vertical scroll bars and a small "Close" button.

And then you can choose a license. In this example we'll use the GPL 3, but inside quickly you will find many open source license like the Apache-2.0, BSD, GPL-2, MIT, LGPL-2 and the LGPL3.

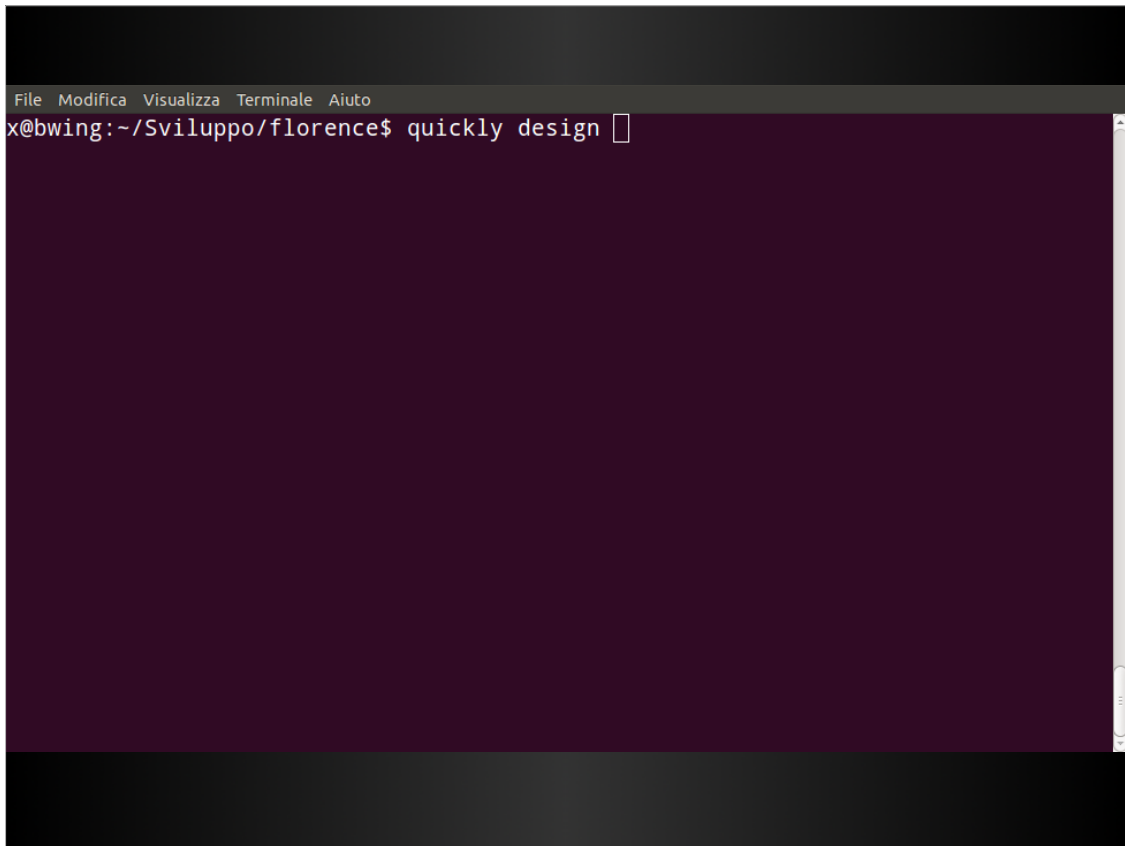
You can even write your own license with the option OTHER.

```
File Modifica Visualizza Terminale Aiuto
x@bwing:~/Sviluppo/florence$ quickly license GPL-3
x@bwing:~/Sviluppo/florence$ ls
AUTHORS bin COPYING data florence florence.desktop.in setup.py setup.pyc
x@bwing:~/Sviluppo/florence$
```

Quickly will create the COPYING file with the license text and it will modify every file in the source tree with the license header.

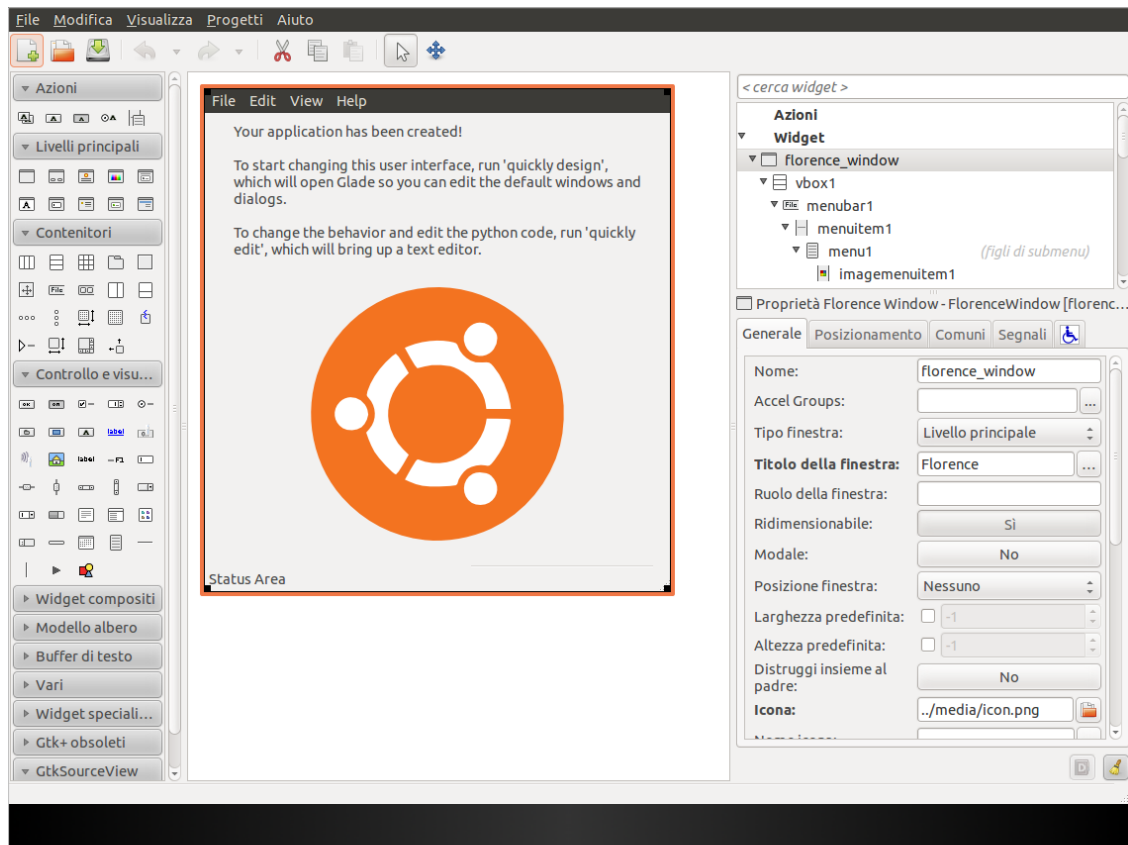
DEVELOPMENT

Problem solved! Now let's start having fun programming!

A terminal window with a dark purple background and a black title bar. The title bar contains the text "File Modifica Visualizza Terminale Aiuto". The terminal prompt is "x@bwing:~/Sviluppo/florence\$" followed by the command "quickly design" and a cursor. The terminal is otherwise empty.

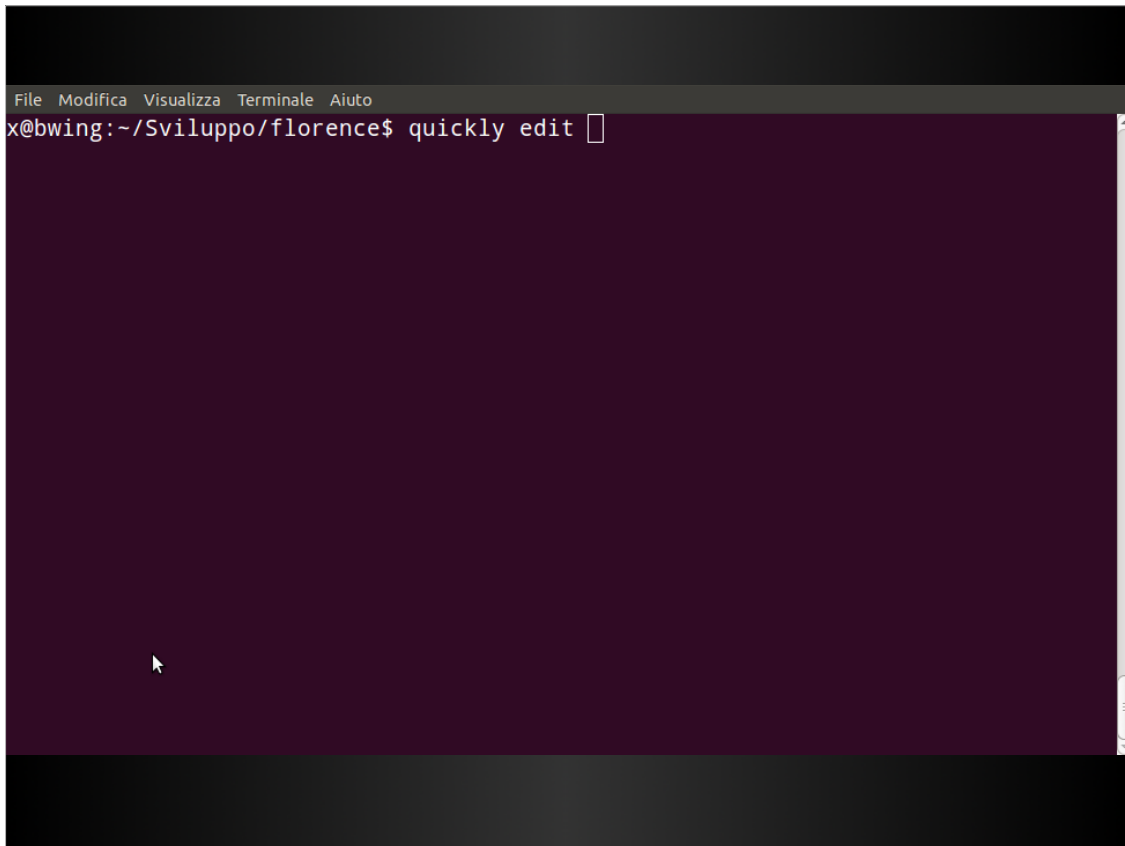
```
File Modifica Visualizza Terminale Aiuto
x@bwing:~/Sviluppo/florence$ quickly design
```

For designing the user interface you can use the command **quickly design**

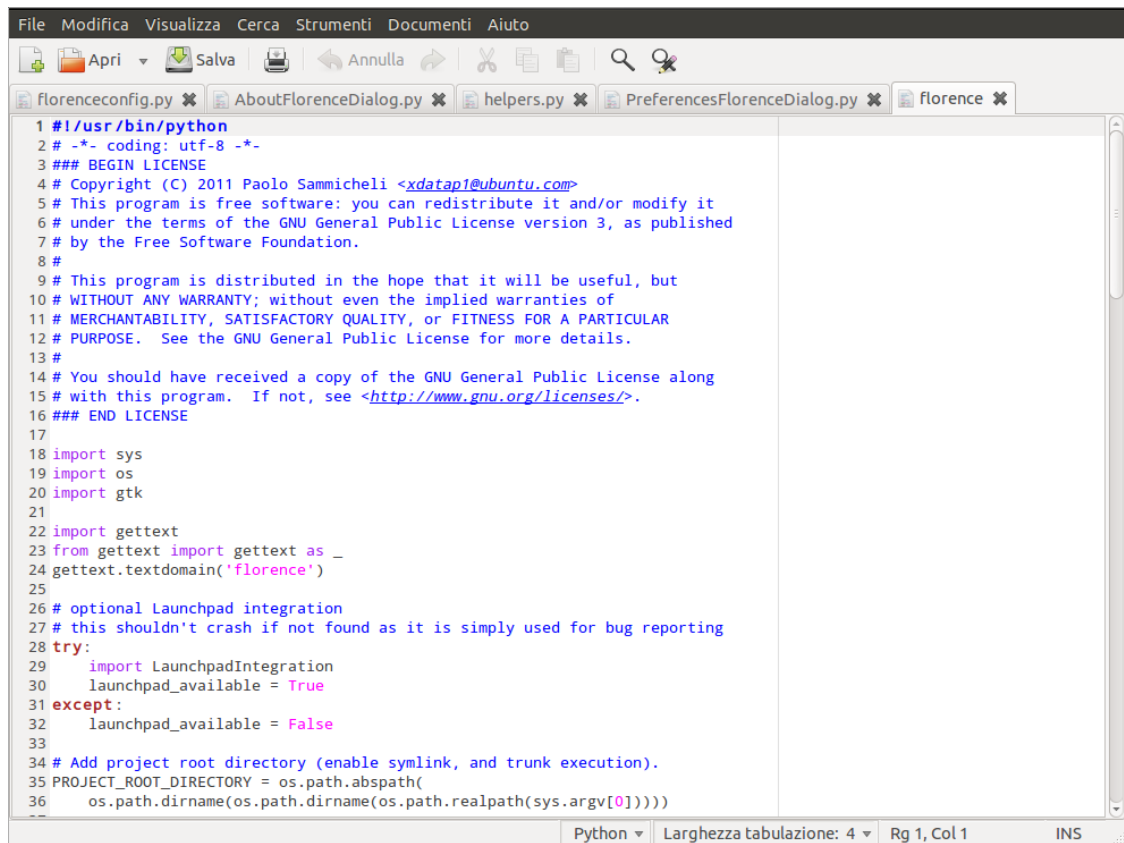


It opens GLADE, which is the recommended GUI designer for GTK.

For our example we don't change the demo application because we're happy with it.



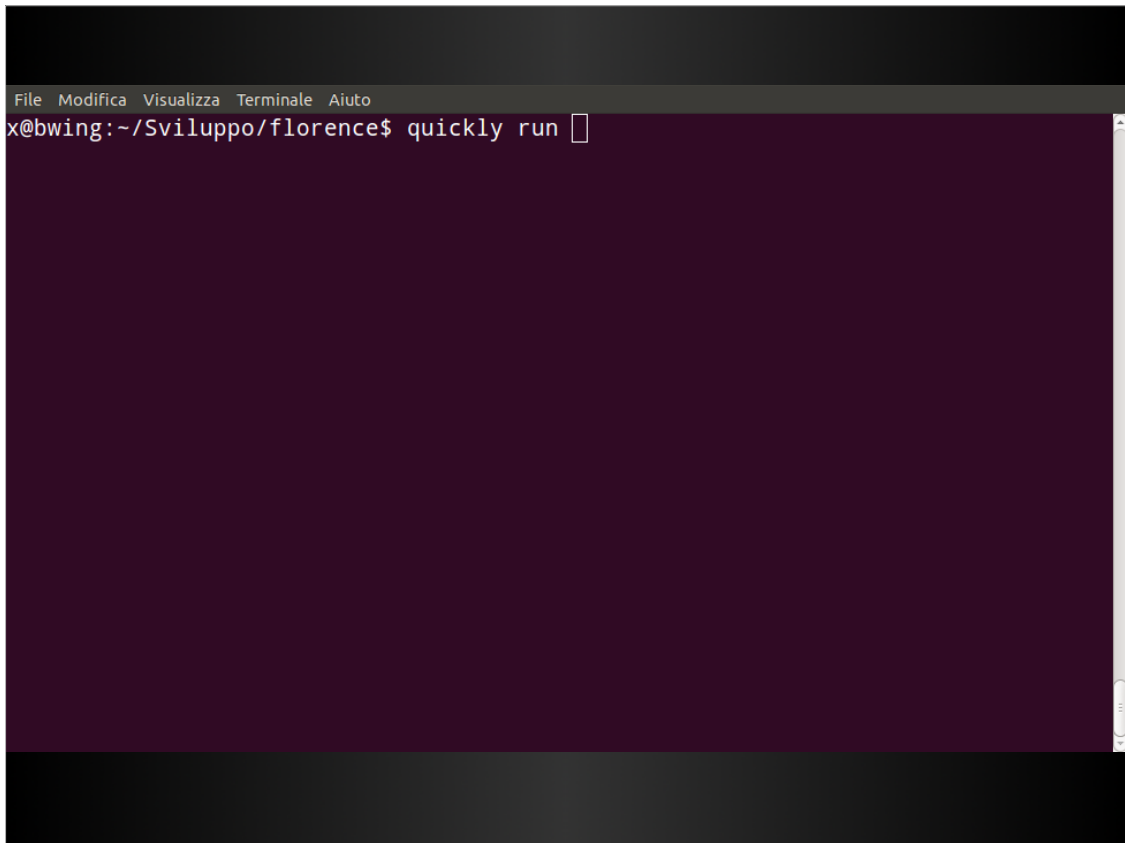
Now we have to write the Python code behind the user interface. We can use the **quickly edit** command.



```
1 #!/usr/bin/python
2 # -*- coding: utf-8 -*-
3 ### BEGIN LICENSE
4 # Copyright (C) 2011 Paolo Sammiceli <xdatap1@ubuntu.com>
5 # This program is free software: you can redistribute it and/or modify it
6 # under the terms of the GNU General Public License version 3, as published
7 # by the Free Software Foundation.
8 #
9 # This program is distributed in the hope that it will be useful, but
10 # WITHOUT ANY WARRANTY; without even the implied warranties of
11 # MERCHANTABILITY, SATISFACTORY QUALITY, or FITNESS FOR A PARTICULAR
12 # PURPOSE. See the GNU General Public License for more details.
13 #
14 # You should have received a copy of the GNU General Public License along
15 # with this program. If not, see <http://www.gnu.org/licenses/>.
16 ### END LICENSE
17
18 import sys
19 import os
20 import gtk
21
22 import gettext
23 from gettext import gettext as _
24 gettext.textdomain('florence')
25
26 # optional Launchpad integration
27 # this shouldn't crash if not found as it is simply used for bug reporting
28 try:
29     import LaunchpadIntegration
30     launchpad_available = True
31 except:
32     launchpad_available = False
33
34 # Add project root directory (enable symlink, and trunk execution).
35 PROJECT_ROOT_DIRECTORY = os.path.abspath(
36     os.path.dirname(os.path.dirname(os.path.realpath(sys.argv[0])))
37 )
```

If you haven't defined your favorite text editor as default it will be open **gedit** with all source files, as you can see on the tabs.

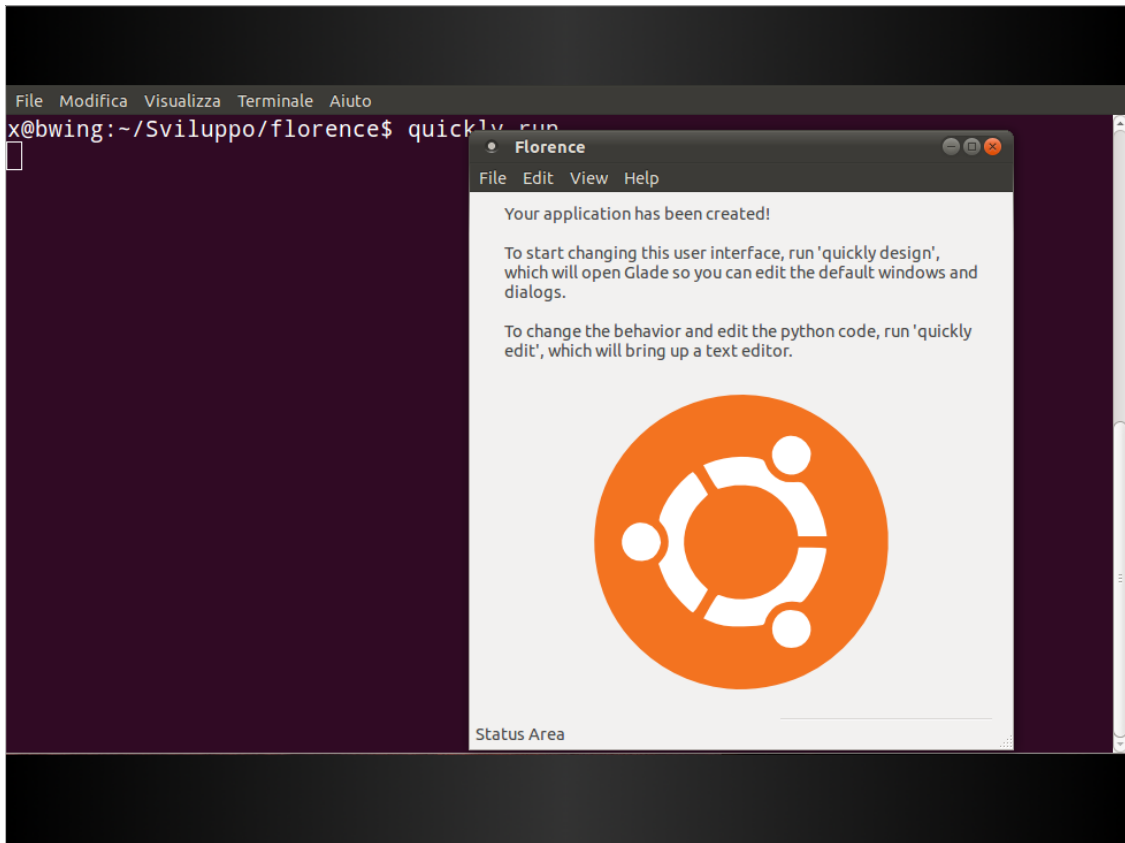
If you want to use another text editor you can set the **EDITOR** environment variable.

A terminal window with a dark purple background and a black title bar. The title bar contains the text "File Modifica Visualizza Terminale Aiuto". The terminal content shows the prompt "x@bwing:~/Sviluppo/florence\$" followed by the command "quickly run" and a cursor. The terminal is mostly empty, suggesting the command has just been entered or is waiting for input.

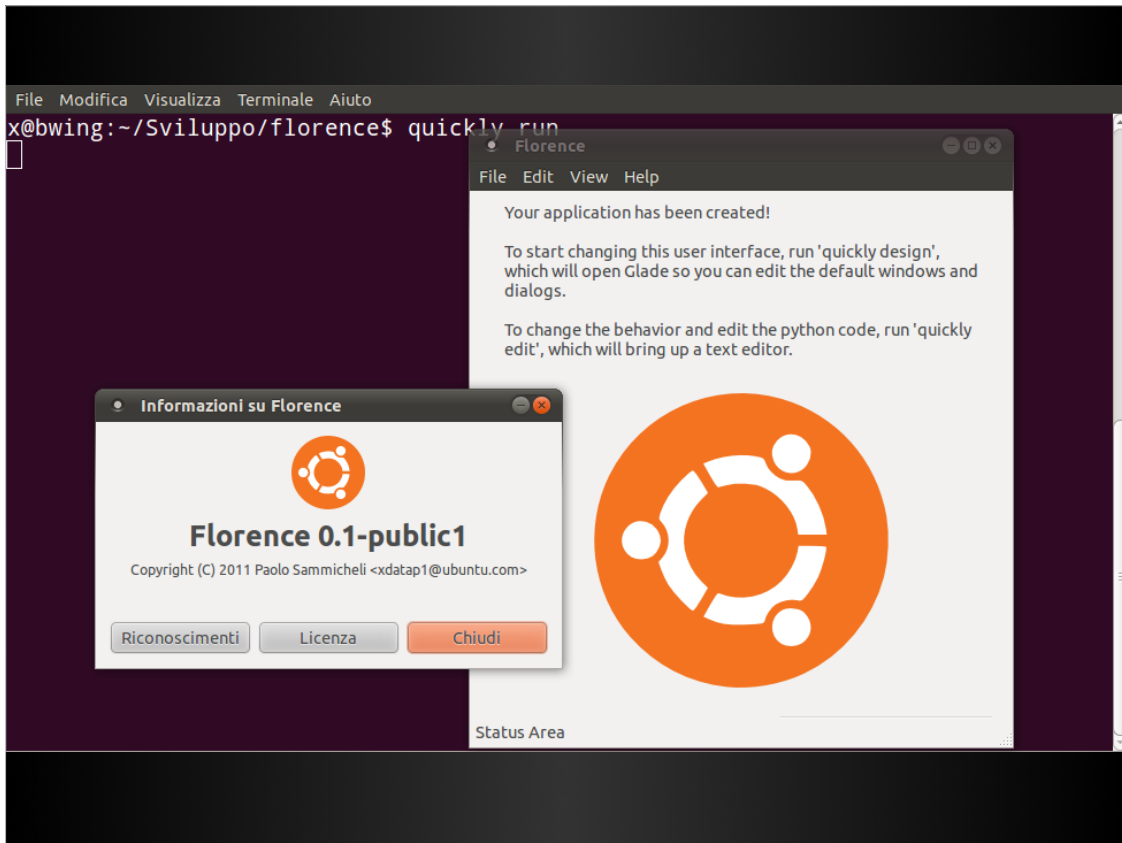
```
File Modifica Visualizza Terminale Aiuto
x@bwing:~/Sviluppo/florence$ quickly run
```

At this point let's pretend we've made some changes in our project. To test it you can use the **quickly run** command.

All Quickly commands works in any subdirectory of your project, so you have to perform hundreds of **cd ..** :)



Here we are, our demo project start again.

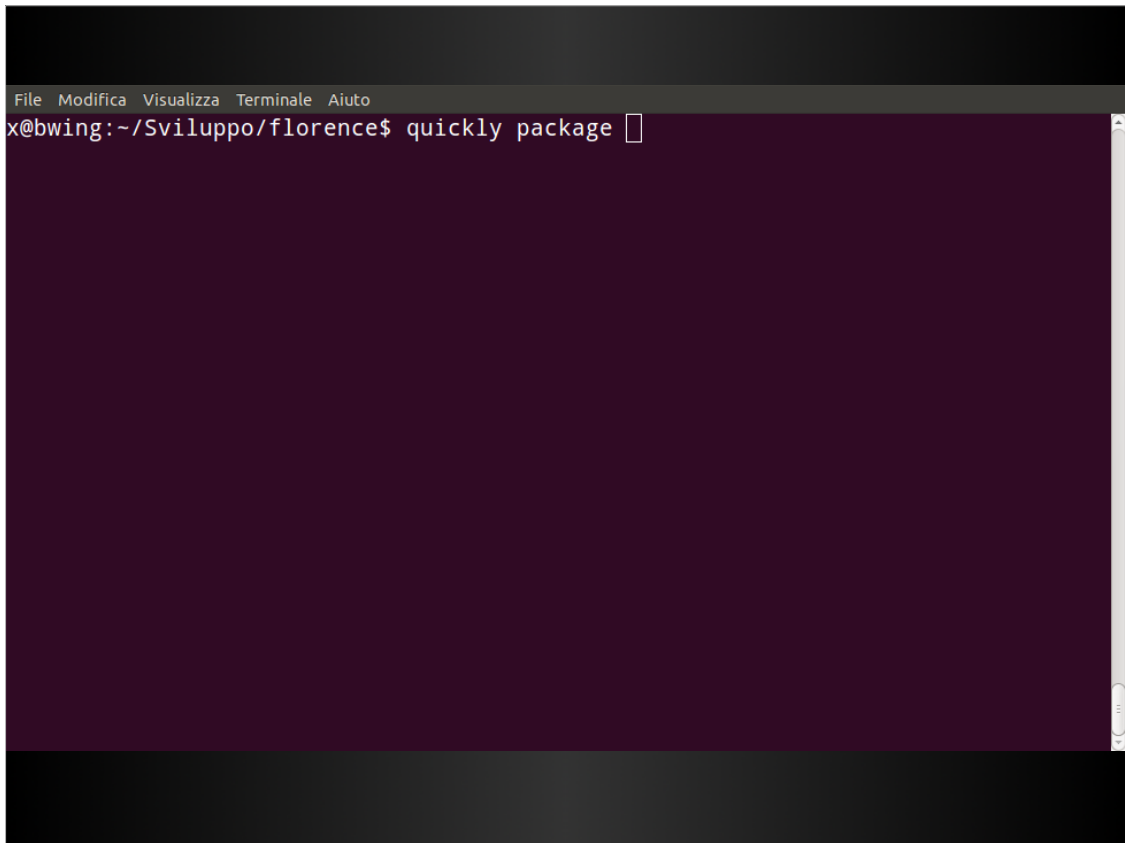


As you can see some part of it already works, like the about menu.

Now, as every developer you can repeat the **quickly design, quickly edit e quickly run** cycle until you're satisfied with your creature.

PUBLISHING

At some point you'll have a first working version that you want to show to someone. How to do that?

A screenshot of a terminal window with a dark purple background. The window title bar at the top shows 'File Modifica Visualizza Terminale Aiuto'. The terminal prompt is 'x@bwing:~/Sviluppo/florence\$' followed by the command 'quickly package' and a cursor. The terminal is otherwise empty.

In Ubuntu, and in Debian, you will need a package .deb.

It's not a super easy process and it may scare new developers. With quickly it's an easy walk, you just need to type **quickly package**.

```
File Modifica Visualizza Terminale Aiuto
x@bwing:~/Sviluppo/florence$ quickly package
.....Ubuntu packaging created in debian/
.....
.....
.....Ubuntu package has been successfully created in ../florence_0.1_all.d
eb
x@bwing:~/Sviluppo/florence$
```

Shortly you will have your package in the directory over you project directory.

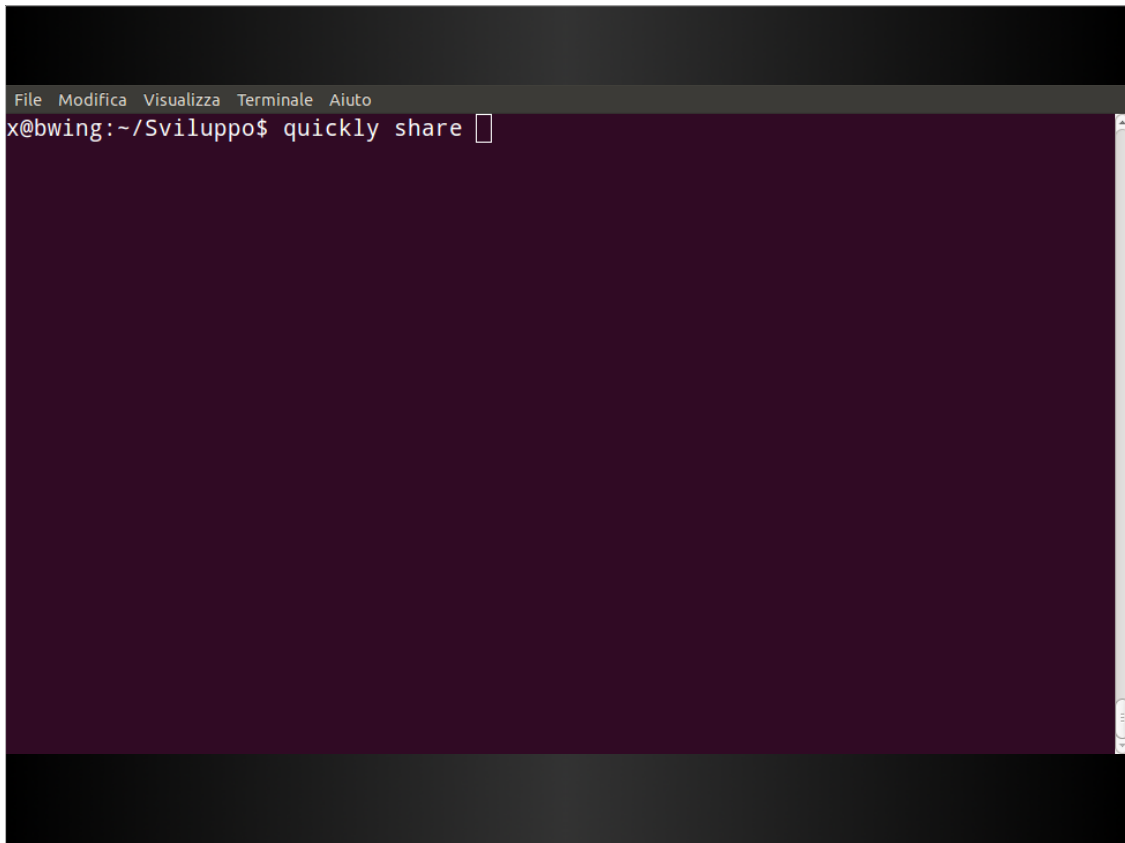
```
File Modifica Visualizza Terminale Aiuto
x@bwing:~/Sviluppo$ ls
florence          florence_0.1.dsc          florence_0.1.tar.gz
florence_0.1_all.deb  florence_0.1_i386.changes
x@bwing:~/Sviluppo$
```

If we take a look on that directory we'll find all the file which are the sources of our package:

- The .tar.gz with sources and packaging files under the debian/ dir
- The .dsc file with the meta-information about the source package.
- The .changes file that later it will be used for uploading it into the PPA

And we have the file named **florence_0.1.all.deb** which is our package!

That file can be used for installing your project in someone else's PC. But this is not quite handy if you want to share your project with a lot of people.

A terminal window with a dark purple background and a black title bar. The title bar contains the text 'File Modifica Visualizza Terminale Aiuto'. The terminal content shows the prompt 'x@bwing:~/Sviluppo\$' followed by the command 'quickly share' and a cursor. A vertical scrollbar is visible on the right side of the terminal window.

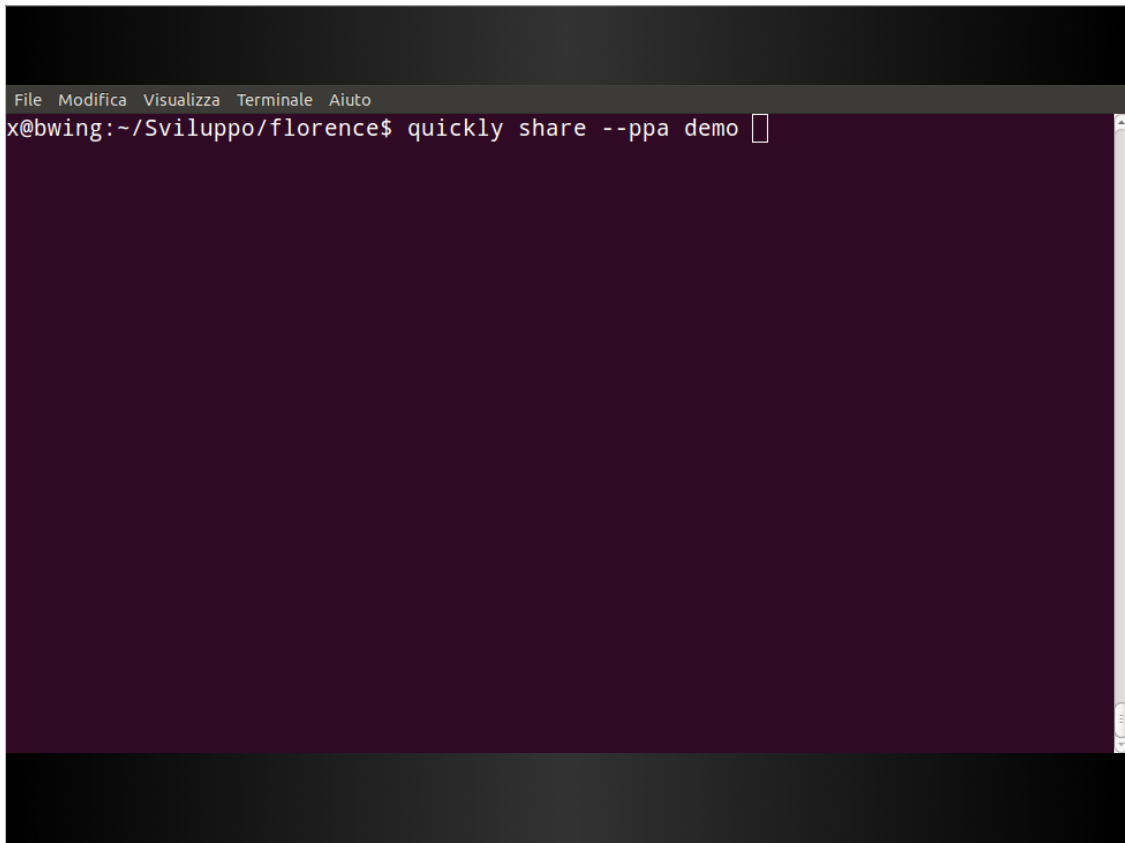
```
File Modifica Visualizza Terminale Aiuto
x@bwing:~/Sviluppo$ quickly share
```

For large scale software distribution you need a PPA. PPAs are Personal Package Archives that users can add to their configuration making possible for them installing your software through the Ubuntu Software Center.

Everything you need is to perform the **quickly share** command.

```
File Modifica Visualizza Terminale Aiuto
x@bwing:~/Sviluppo/florence$ quickly share
Get Launchpad Settings
Launchpad connection is ok
gpg: using PGP trust model
gpg: using PGP trust model
ppa:xdatap1:ppa does not exist. Please create it on launchpad if you want to push
a package to it. xdatap1 has the following ppas available:
demo - Demo PPA for presentation
pywizard - PyWizard
You can temporarily choose one of them with --ppa switch or definitely by executin
g quickly configure ppa <ppa_name>.
ERROR: share command failed
Aborting
x@bwing:~/Sviluppo/florence$
```

In this screenshot you can see that I got an error: Quickly get connection with Launchpad and it gave me an error because I didn't specify a PPA to use with the project. Btw it told me that I have two PPAs in my configuration: one is a small project called pywizard and the second it's called **demo** and it's what I normally use for these presentations.

A terminal window with a dark purple background and a grey title bar. The title bar contains the text 'File Modifica Visualizza Terminale Aiuto'. The terminal content shows the prompt 'x@bwing:~/Sviluppo/florence\$' followed by the command 'quickly share --ppa demo' and a cursor. The terminal window has a scroll bar on the right side.

```
File Modifica Visualizza Terminale Aiuto
x@bwing:~/Sviluppo/florence$ quickly share --ppa demo
```

So let's publish the package in that PPA with the parameter `--ppa`

You can define the default PPA for the project with the command:

`quickly configure ppa <nomeppa>`

```
File Modifica Visualizza Terminale Aiuto
x@bwing:~/Sviluppo/florence$ quickly share --ppa demo
Get Launchpad Settings
Launchpad connection is ok
gpg: using PGP trust model
gpg: using PGP trust model
.....Ubuntu packaging created in debian/
pushing to launchpad
.....
È necessaria una passphrase per sbloccare la chiave segreta
dell'utente: "Paolo Sammiceli (XDatap1) <paolo@sammicheli.net>"
1024-bit chiave DSA, ID 41999AEA, creata 2002-03-24
.....
È necessaria una passphrase per sbloccare la chiave segreta
dell'utente: "Paolo Sammiceli (XDatap1) <paolo@sammicheli.net>"
1024-bit chiave DSA, ID 41999AEA, creata 2002-03-24
.....Checking signature on .changes
gpg: header dell'armatura: Hash: SHA1
gpg: header dell'armatura: Version: GnuPG v1.4.10 (GNU/Linux)
gpg: nome del file originale='
gpg: Firma eseguita in data "ven 03 giu 2011 12:49:47 CEST" usando DSA, ID chiave 41999AEA
gpg: using PGP trust model
```

And then he starts the operations. It's asking my gpg key's passphrase for signing the file I'm uploading.

I suppose you'll have a GPG key because we ask to sign the Ubuntu Code of Conduct with it when you start contributing in Ubuntu.

If you need infos about GPG you can find more information on our wiki:

<http://wiki.ubuntu.com/GPG>


```
File Modifica Visualizza Terminale Aiuto
gpg: Firma eseguita in data "ven 03 giu 2011 12:49:40 CEST" usando DSA, ID chiave 41999AEA
gpg: using PGP trust model
gpg: Good signature from "Paolo Sammicheli (XDatap1) <paolo@sammicheli.net>"
gpg:      conosciuto anche come "Paolo Sammicheli <paolo@sammiche.li>"
gpg:      conosciuto anche come "Paolo Sammicheli (XDatap1) <xdatap1@siena.linux.it>"
gpg:      conosciuto anche come "Paolo Sammicheli <xdatap1@ubuntu.com>"
gpg: ATTENZIONE: questa chiave non è certificata con una firma fidata!
gpg:      Non ci sono indicazioni che la firma appartenga al proprietario.
Impronta digitale della chiave primaria: D278 DC5A 1AD5 AF14 BE60 B13F 1B5A 76D F 4199 9AEA
gpg: Firma modo testo, algoritmo di digest SHA1
Good signature on ../florence_0.1-public1.dsc.
Uploading to ppa (via ftp to ppa.launchpad.net):
  Uploading florence_0.1-public1.dsc: done.
  Uploading florence_0.1-public1.tar.gz: done.
  Uploading florence_0.1-public1_source.changes: done.
Successfully uploaded packages.
florence 0.1-public1 is building on Launchpad. Wait for half an hour and have look at https://launchpad.net/~xdatap1/+archive/demo.
x@bwing:~/Sviluppo/florence$
```

Then, after signing the files quickly proceed in the uploading into Launchpad where it will be built. (it's uploaded the source package, not the .deb)

File Modifica Visualizza Cronologia Segnalibri Strumenti Aiuto

Paolo Sammicheli xdatap1 • Log Out

Overview Code Bugs Blueprints Translations Answers

Demo PPA for presentation

Paolo Sammicheli Demo PPA for presentation

PPA description

Demo PPA used mainly for presenting Ubuntu Opportunistic Programming tools

Change details
Edit PPA dependencies
View package details
Delete PPA

Latest updates

- Florence** 15 seconds ago
Currently building
- schio** six weeks ago
Successfully built

Uploading packages to this PPA

You can upload packages to this PPA using:

```
dput ppa:xdatap1/demo <source.changes> (Read about uploading)
```

Adding this PPA to your system

You can update your system with unsupported packages from this untrusted PPA by adding `ppa:xdatap1/demo` to your system's Software Sources. (Read about installing)

Technical details about this PPA

For questions and bugs with software in this PPA please contact [Paolo Sammicheli](#).



PPA statistics

Activity
1 update added during the past month.
Currently 1 package building and 0 packages waiting to build.

Overview of published packages

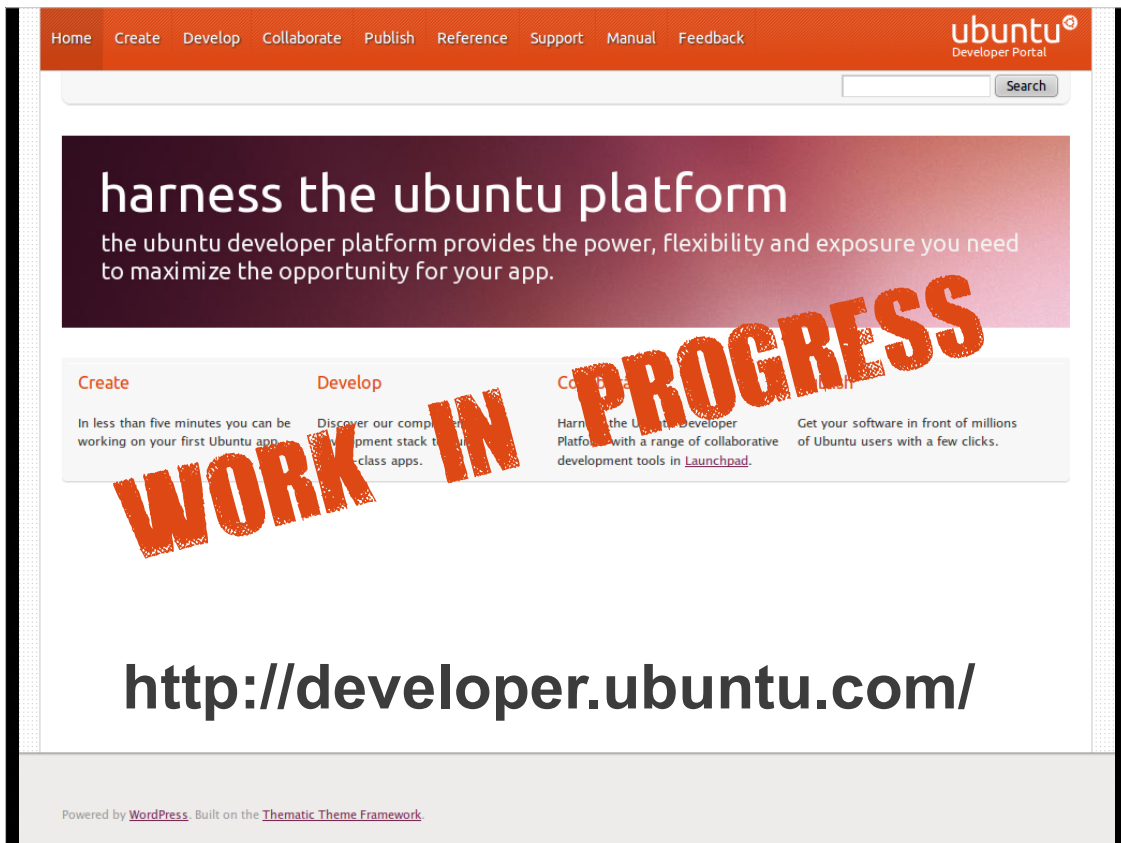
Published in: Any series Filter

1 → 2 of 2 results First Previous Next Last

Package	Version	Uploaded by
 Florence	0.1-public1	Paolo Sammicheli (12 seconds ago)
 schio	0.1-public2	Paolo Sammicheli (2011-04-20)

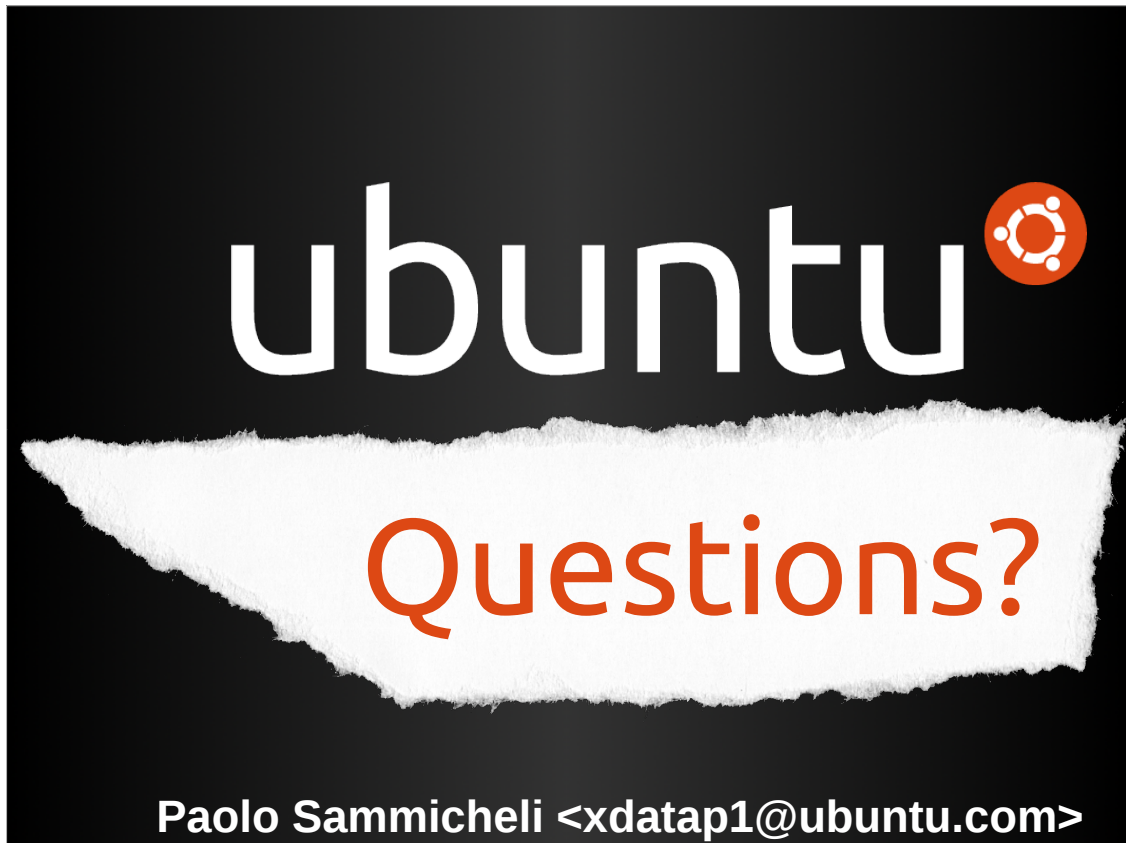
launchpad • Take the tour • Read the guide

After few minutes the package is available in your PPA ready for your users.



We're building a web site for Application Development, it's still work in progress, you can find it at the URL:

<http://developer.ubuntu.com/>



Europython 2011
Florence, Italy.

June, 20-26 2011