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# Build your own modern app installer

Jul 28, 2011

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Install: gobby-0.5

Run: gobby-0.5

File/Connect to server: gobby.debian.net

Pick document: debconf11/dc11-appinstaller

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# What is in an ideal app installer?

# What is in an ideal app installer?

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Functions: search, browse, explore, install, remove...

Information: description, tags, screenshots, lots more...

Social info: ratings, comments, recommendations...

Different installers for different needs

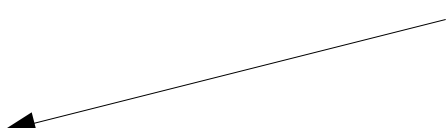
# Example mockups

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*A search-engine inspired interface:*

Search:

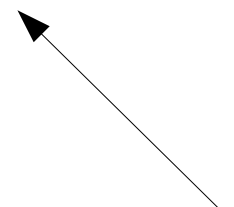
Anyone can use  
a search engine



Interesting packages:

```
100% cappuccino an utility to let your boss think that
      you're working hard
100% polygen - generator of random sentences from grammar
      definitions
90%  xgalaga - X version of the famous Galaga game
```

If you don't search anything,  
the software suggests something  
you might need



# Example mockups

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*A search-engine inspired interface for uninstalling packages:*

Search:

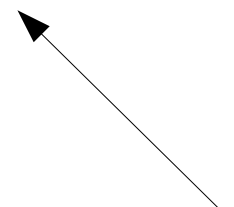
Anyone can use  
a search engine



Unused packages:

```
100% cappuccino an utility to let your boss think that
      you're working hard
100% polygen - generator of random sentences from grammar
      definitions
90%  xgalaga - X version of the famous Galaga game
```

If you don't search anything,  
the software shows those packages  
that you are not using, least used first

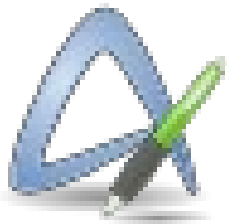


# Example mockups

*Tucows/Android style app installer*

Anyone can use  
a search engine

Search:



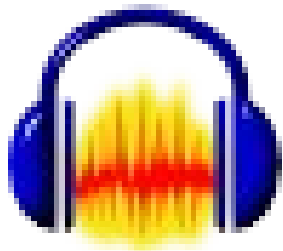
**abiword** efficient, featureful word processor with collaboration

9 comments 4 screenshots



**aeskulap** medical image viewer and DICOM network client

5 comments 6 screenshots



**audacity** fast, cross-platform audio editor

21 comments 3 screenshots



# Example mockups


*Online-shopping-style faceted search*


The screenshot shows a web browser window with the address bar set to 'localhost:5000'. The page title is 'PACKAGE SHELF' and the URL is 'debian /'. The search bar contains the text 'image viewer' and a 'Search' button. A dropdown menu is open, showing 'Desktop applications'. The search results are displayed in a faceted search format. On the left, there are two main categories: 'works-with' and 'use'. Under 'works-with', there are sub-facets: 'image (24)', 'image:raster (17)', 'text (3)', 'archive (3)', 'file (2)', 'audio (1)', 'image:vector (1)', 'video (1)', and '3dmodel (1)'. Under 'use', there are sub-facets: 'viewing (25)', 'browsing (8)', 'organizing (5)', and 'editing (3)'. The search results are listed on the right, showing '32 results'. The first result is 'gpicview (100%)' with a thumbnail image of a woman's face. The second result is 'gwenview (99%)' with a thumbnail image of dark rocks.

• **works-with**  
[image \(24\)](#)  
[image:raster \(17\)](#)  
[text \(3\)](#)  
[archive \(3\)](#)  
[file \(2\)](#)  
[audio \(1\)](#)  
[image:vector \(1\)](#)  
[video \(1\)](#)  
[3dmodel \(1\)](#)

• **use**  
[viewing \(25\)](#)  
[browsing \(8\)](#)  
[organizing \(5\)](#)  
[editing \(3\)](#)

32 results

•  [gpicview \(100%\)](#)

•  [gwenview \(99%\)](#)



# Example mockups

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*Browser for what is installed*



abiword efficient, featureful word processor with collaboration

[man page] [documentation] [launch] [rate/comment]



aeskulap medical image viewer and DICOM network client

[man page] [documentation] [launch] [rate/comment]



audacity fast, cross-platform audio editor

[man page] [documentation] [launch] [rate/comment]

[last installed first] [most used first]

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# Building blocks

# Building blocks

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## **apt-xapian-index**

Easy and powerful back-end database  
for advanced interfaces

# Building blocks

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**screenshots.debian.net**

If you have HTTP and a package name,  
you have screenshots

# Building blocks

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## **app-install-data**

Preview about apps that are not yet installed

# Building blocks

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## **distromatch**

Map packages across distributions

# Building blocks

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## OCS

HTTP protocol for ratings, comments  
and all sorts of social functionality

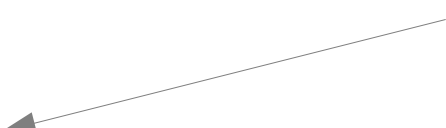
# Example mockups

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*A search-engine inspired interface:*

Search:

Anyone can use  
a search engine



Interesting packages:

100% cappuccino an utility to let your boss think that  
you're working hard

100% polygen - generator of random sentences from grammar  
definitions

90% xgalaga - X version of the famous Galaga game

**apt-xapian-index** for searching packages

Tassia's recommender (to be announced) for suggestions

screenshots.debian.net for screenshots



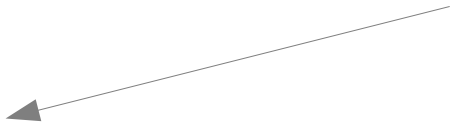
# Example mockups

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*A search-engine inspired interface for uninstalling packages:*

Search:

Anyone can use  
a search engine



Unused packages:

```
100% cappuccino an utility to let your boss think that
      you're working hard
100% polygen - generator of random sentences from grammar
      definitions
90% xgalaga - X version of the famous Galaga game
```

apt-xapian-index for searching packages

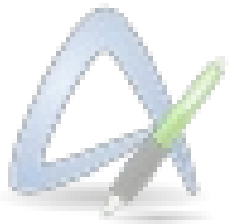
/var/log/popularity-contest for last used information

# Example mockups

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apt-xapian-index for searching packages  
screenshots.debian.net for screenshots  
app-install-data for icons and .desktop info  
explore OCS for ratings, comments

Search:



abiword efficient, featureful word processor with collaboration

[9 comments](#) [4 screenshots](#)



aeskulap medical image viewer and DICOM network client

[5 comments](#) [6 screenshots](#)



audacity fast, cross-platform audio editor

[21 comments](#) [3 screenshots](#)



# Example mockups

*Online-shopping-style faceted search*

localhost:5000

PACKAGE SHELF

About Debian Getting Debian Support Developers' Corner

debian /

image viewer Search Desktop applications

- works-with
  - [image \(24\)](#)
  - [image:raster \(17\)](#)
  - [text \(3\)](#)
  - [archive \(3\)](#)
  - [file \(2\)](#)
  - [audio \(1\)](#)
  - [image:vector \(1\)](#)
  - [video \(1\)](#)
  - [3dmodel \(1\)](#)
- use
  - [viewing \(25\)](#)
  - [browsing \(8\)](#)
  - [organizing \(5\)](#)
  - [editing \(3\)](#)

32 results

[gpicview \(100%\)](#)

[gwenview \(99%\)](#)

apt-xapian-index for searching packages  
(it includes debtags)

screenshots.debian.net for screenshots

# Example mockups

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*Browser for what is installed*



abiword efficient, featureful word processor with collaboration

[man page] [documentation] [launch] [rate/comment]



aeskulap medical image viewer and DICOM network client

[man page] [documentation] [launch] [rate/comment]



audacity fast, cross-platform audio editor

[man page] [documentation] [launch] [rate/comment]

apt-xapian-index for last installed information (to be implemented, but we know how to implement it, it's easy)

Explore OCS for sending ratings/comments

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# The AppStream project

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# Make it awesome!