

1



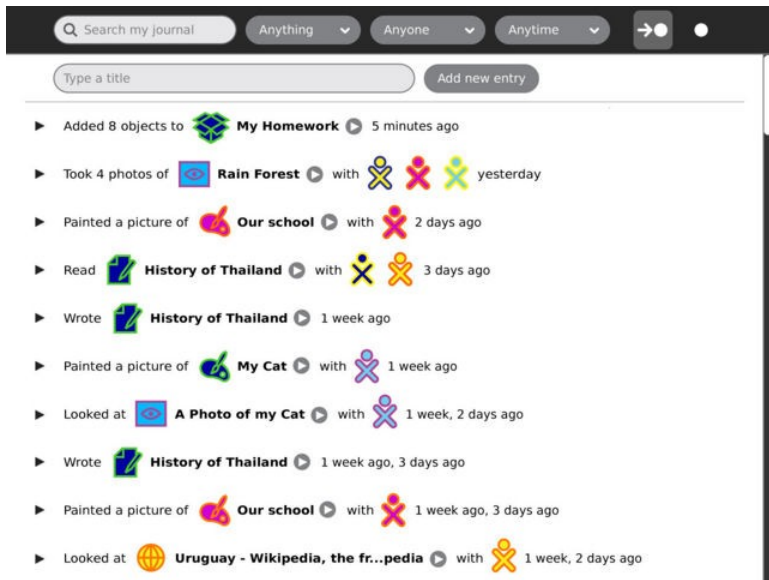
One Laptop per Child

The Journal, Reloaded

Dr. C. Scott Ananian <cscott@laptop.org>

Existing Journal Design

- Action view



Existing Journal Design

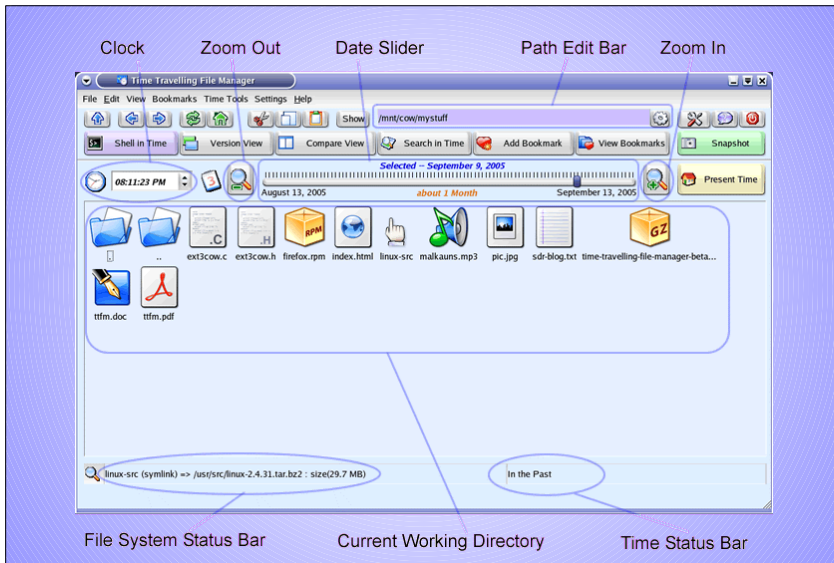
- Object view

The screenshot shows a journal application interface with a search bar at the top and a list of journal entries below. The interface includes a search bar with the text "Search my journal" and filters for "Anything", "Anyone", and "Anytime". The journal entries are displayed in a table with columns for "What", "Who", and "When". Each entry includes a checkbox, a star icon, a document icon, the title, author icons, and the time since it was created.

<input type="checkbox"/>	★	What	Who	When
<input type="checkbox"/>	☆	The Tortoise and the Hare		1 week, 5 days ago
<input type="checkbox"/>	☆	Russian Tortoise - Wikipedi...pedia		1 week, 5 days ago
<input type="checkbox"/>	★	A photo of my cat		1 week, 6 days ago
<input type="checkbox"/>	★	This fantastic story abou...wrote		2 weeks ago
<input type="checkbox"/>	☆	image clipping		2 weeks ago
<input type="checkbox"/>	★	Our school		2 weeks ago
<input type="checkbox"/>	★	A movie of my family		2 weeks, 1 day ago
<input type="checkbox"/>	★	Uruguay - Wikipedia, the fr...pedia		2 weeks, 3 days ago
<input type="checkbox"/>	☆	History of Uruguay		2 weeks, 3 days ago
<input type="checkbox"/>	☆	My homework assignment		3 weeks ago

What not to do

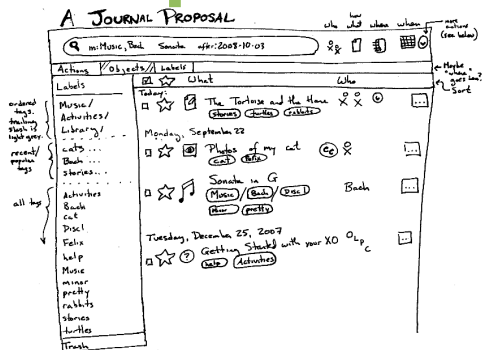
- A “time-travelling file manager”



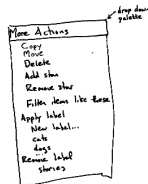
A little story

- I'm old. I use hierarchically-structured paths *everywhere*
- But I couldn't convince the young kids they were *vital*
- So I prepared to **blind them with science**
- The rest of the story is at:
http://wiki.laptop.org/go/Experiments_with_unordered_paths

The envelope sketch

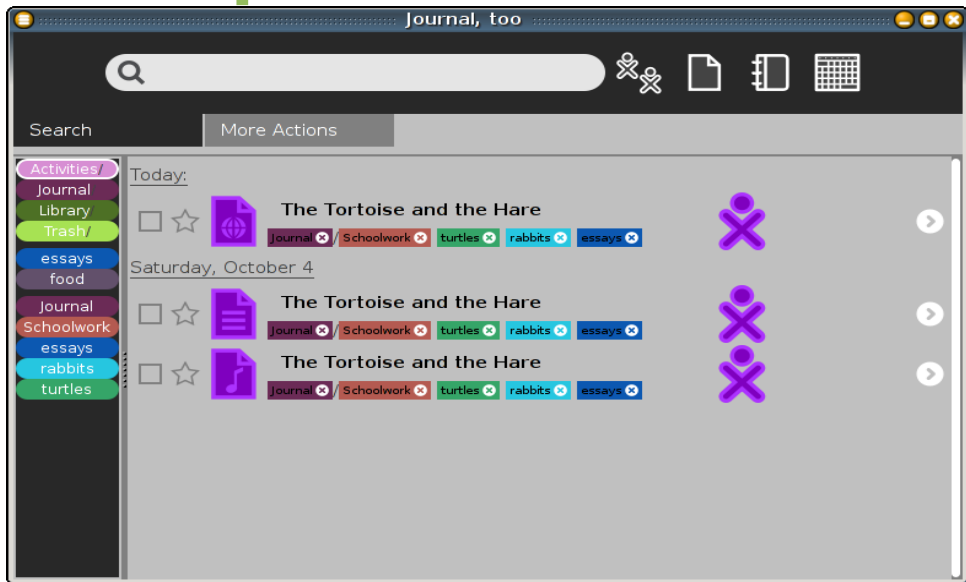


- recent tags column has pull-out menu to let you chain popular tags together
- Every GUI search action is reflected by equivalent search terms in search bar (discoverability)
- Not only "XOs" appear in "Who"
 - also desktop or graphical metadata where appropriate (Band name, etc)
- Perhaps because icon, as shown in the cut photo entry? An action might describe.
- "where" menu includes Journal, NAND, attached USB or SD devices, etc.
- "When" pops up a calendar of those options to select a day, week, month, or year
- This is the 'hol view' of your search results, so suggests those views be made of-giggle (and that view might also have a different default searches). This could make scenarios very happy.



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Sept 23, 2008

Mockup



Making it work

- I don't want to write a document indexer
- I don't want to write a query parser (but I did)
- Built demo using Pinot
 - Typically terrible Linux GUI, but...
 - Nice front-end/back-end split (and backend is nice)
 - Uses Xapian for search (more later)
 - Alternative OpenSearch backend (hmm...)

Xapian

- We're using a Ferrari simply because we need a car under four feet tall
- Xapian is a Probabilistic Information Retrieval system
 - But we're not using any of that
 - It *does* let us efficiently retrieve docs in chronological order, though

Concentrated Ferrari

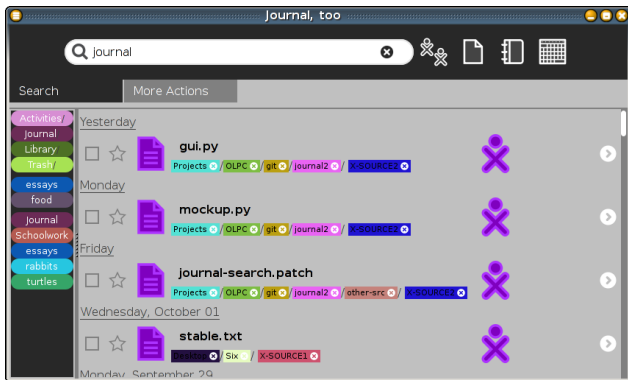
The screenshot shows a web browser window titled "Journal, too". The interface includes a search bar at the top, a "Search" button, and a "More Actions" button. A sidebar on the left lists categories: Activities, Journal, Library, essays, food, Journal, Schoolwork, essays, rabbits, and turtles. The main content area displays search results for "The Tortoise and the Hare" under the heading "Today:" and "Saturday, October 4". Each result includes a document icon, a star icon, a checkbox, and a list of tags: Journal, Schoolwork, turtles, rabbits, and essays. To the right of each result is a purple icon of two people with an 'X' over them, and a right-pointing arrow. The text "RIGHT HERE" is overlaid in red on the left side of the screenshot, pointing to the "Journal" tag in the first search result.

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Demo!

- If you're just reading the slides, you miss out, sorry.



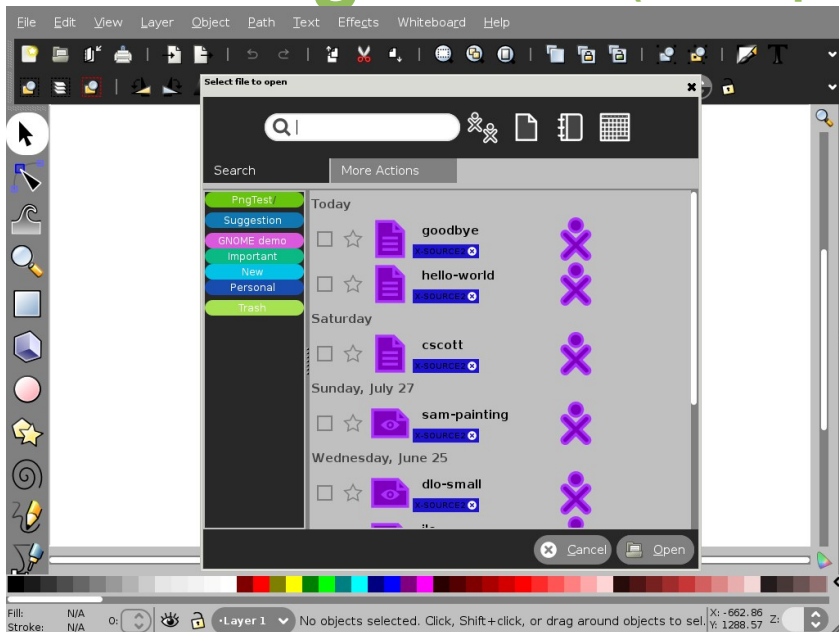
Some questions

- Going back?
 - I'd like tags in search entry to look like tags on objects, with close buttons
- Previews?
- Suggestions?
 - Stars to pin? Improve w/ semantic magic?
- Versions?
 - Psst: <http://wiki.laptop.org/go/Olpcfs>

Legacy apps rock!

- There are so many of them
- GTK already has a nice abstract `GtkFileChooser` interface
- Nothing says that your `GtkFileChooser` has to be in-process...

Embedding demo (Inkscape)



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Embedding demo (Firefox)

The screenshot shows a Firefox browser window with the address bar displaying `http://wiki.laptop.org/go/Special:Upload`. The page content includes a navigation sidebar on the left with icons for '1', a laptop, a blue arrow, and a red 'X'. The main content area is titled 'Upload file' and contains instructions for uploading files. A 'File Upload' dialog box is open in the foreground, showing a search bar and a list of files. The files listed are:

- Today
 - goodbye (X-SOURCE)
 - hello-world (X-SOURCE)
- Saturday
 - cscott (X-SOURCE)
- Sunday, July 27
 - sam-painting (X-SOURCE)
- Wednesday, June 25
 - dlo-small (X-SOURCE)

The dialog also features a 'More Actions' menu with options: PngTest, Suggestion, GNOME demo, Important, New, Personal, and Trash. At the bottom of the dialog are 'Cancel' and 'Open' buttons.

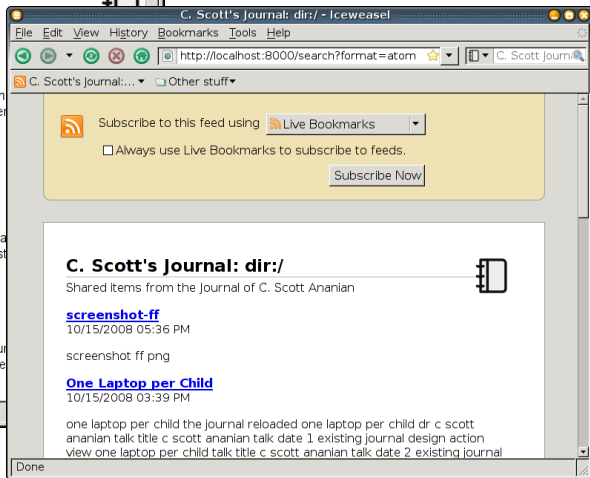
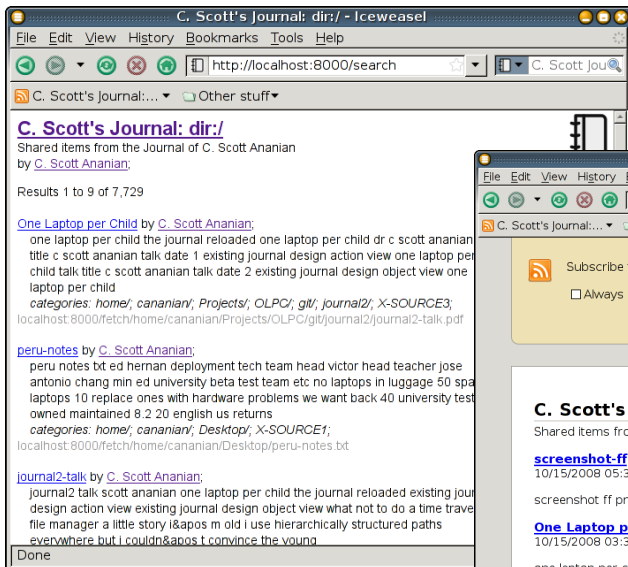
Bitfrost security

- Because the journal “file chooser” is out-of-process, untrusted apps don't need full access to user files
- The journal displays files, and then arranges to make available *only the selected one*
- We're also in the loop for saving, and can add metadata, etc.

I love Amazon

- Well, A9 at least
 - It died and gave us OpenSearch
- Publish journal as an OpenSearch provider
 - Can add to Firefox search bar
- Export results both as XHTML and Atom: subscribe using your favorite feed reader (or Firefox Live Bookmarks)

Feed demo



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Brain-dead collaboration

- In Friends view, right click to “See Chris' shared files”
- Journal view, just like your own Journal
 - Results come via published Atom feed
 - If we're careful, results are offline cachable

Blogs

- Your published RSS feed is a very simple blog, readable from non-XOs, for free.
- For a little more control, tag some of your objects with the “blog” tag, and publish the search “in:blog” as your blog feed.

Network principles

- Hard part here is naming the remote XO
- Blog url is:
<http://cscott.1cc.xs.laptop.org/>
- See:
http://wiki.laptop.org/go/Network_principles

Wild applause

- I'm done. What did I get wrong?