

# GB



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# Cloud Bookmarker

2019-06-14 BY GENE

These last few days I have realized a dream of a few years – to have a personal cloud-based bookmark management service. Now, there are other “Cloud bookmark services” out there. For instance, [del.icio.us](https://del.icio.us) used to be a thing, but alas. (TBH, I never used that anyway.)

So I decided that it would be cool to host my own cloud-based bookmark management service. Naturally, it would have to be as simple as humanly possible!

There are two parts: [The Client](#) and [The Server](#). These operate in the Chrome web browser and on your internet host (local for development) respectively.

The first is a simple Google Chrome external extension that submits the current tab URL to the cloud bookmark server that you have setup. For this I hired a colleague, [Jose](#)! To use it, just [clone the git repository](#), and in Chrome, visit <chrome://extensions/> and in “Developer mode” select “Load unpacked” and choose the Chrome-Extension/ folder under the newly cloned repo, and a “paw” tool is added.

The second thing is to have a cloud-based bookmark management service set-up on an internet server. For development, your local server will do. For my use,

this is a [Dancer2](#) perl web service built with with search capability.

To set this up, in the cloned repo CPAN install the modules with:

```
cpanm --installdeps .
```

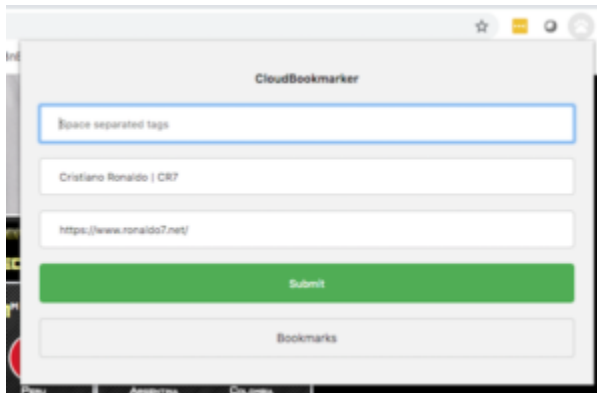
Also install something to actually run the web service with – [Plack](#) for instance.

There are two things to change in the source of the extension: The account and the server API URL. These are in the [popup.html](#) and [popup.js](#) files and will be obvious upon inspection.

Once fixed-up, just do this in the shell to start the server:

```
plackup bin/app.psgi
```

Here is the Chrome extension:

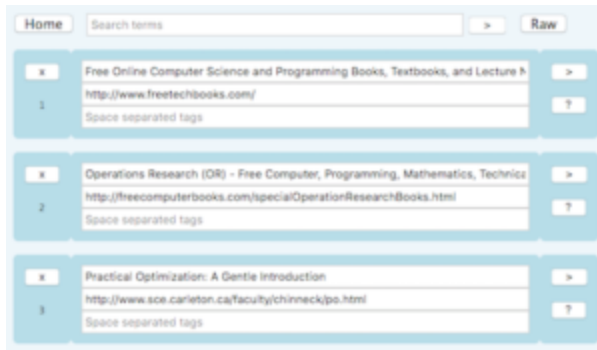


This issues extension a POST request to the server with the bookmark to save when you click the submit button.

Open the extension again but this time click the “Bookmarks” button. The bookmarks server page will open to <http://localhost:5000/>, which

allows you to search, update and delete entries. If everything is setup correctly, you should see the new bookmark!

And here is the server web UI:



Voila! Dream fulfilled. :-)

FILED UNDER: INTERNET, SOFTWARE

TAGGED WITH: BOOKMARKS, BROWSER EXTENSION, DANCER2, PERL

Epistemologist-at-large

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