

## Lisp in Summer Projects Submission

<b>Submission Date</b>	2013-10-20 14:26:06
<b>Full Name</b>	Longhao Piao
<b>Country</b>	United States
<b>Project Name</b>	clojure-downloader
<b>Type of software</b>	gui app
<b>General category</b>	web tool
<b>LISP dialect</b>	Clojure
<b>GitHub URL</b>	<a href="https://github.com/SevenHong/clojure-downloader">https://github.com/SevenHong/clojure-downloader</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>	A fast, extensible, and polished open source downloader.
<b>Function</b>	Currently takes http link and download. Will be extensible in future.
<b>Motivation</b>	I need a free, fast downloader, so.
<b>Audience</b>	whoever interested in a free, fast, extensible downloader.
<b>Methodology</b>	<ol style="list-style-type: none"><li>1. User gives link.</li><li>2. A link filter(didn't implement yet) will pass link to corresponding task manager - for example if filter sees the link as http link, it passes the link to http task manager. Currently there is only http task manager. All manager takes link as input, then a task takes additional inputs by user interaction before actual downloading(determining path, how many threads to download for http task manager) or during any time(torrent task manager might be called by user to set up speed limit any time). As side effect a task write down the</li></ol>

file, as return value it return 0. (most thing here weren't implement due to lack of time..)

3. Another interface displayer is responsible for displaying information in GUI form. Didn't implement the detail yet.

## **Conclusion**

I taught myself Clojure in this summer before starting the project, roughly two months; then I spent two more months roughly on project. So the limitation came from my lack of knowledge in the language. It is a challenge but it's a valuable learning experience, I feel that I learned during project much more than just following book and tutorial. Although I didn't finish what I planed, I am definitely working on it to complete it in future.

If there could be a mentor, this project could be more meaningful.

## **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.