# NovelSearch: The Right Way to Download Novels

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## Problem

Downloading novels online is a emerging requirement for modern Chinese netizens, such operation should be done as easy as possible on both computer and mobile devices. Current popular solutions including Google search a novel site, read it online, or Sina iAsk require follow many links to find the novel, and not friendly to mobile devices. NovelSearch is a elegant solution to this problem.

## Features

Downloading a novel from NovelSearch only requires one input and one click:



(a) Input the name of the novel.

(b) Click a result to start downloading.

Novels are retrived from multiple source sites, results from all source sites that has this novel will appear on the result list. Click a result will start downloading either a txt or a rar file directly, without any redirect to the source site and time wasted on figuring out the location of download link.

## Implementation

NovelSearch's workflow is as follows

- User search on the web frontend
- Web backend received search request
- For every source site
  - Search the user request
  - Find out download link
- Gather results
- Show results to user

For every source site, we wrote corresponding *fetcher* to find download link by search keyword automatically. To add a source site, just add a fetcher for that site.

NovelSearch is wrote in Python, with Bootstrap for frontend, Flask as backend and BeautifulSoup as Html parser.

## Project Site

NovelSearch is currently serving on `166.111.138.107:13001`, try it by yourself!

## Conclusion

We demonstrated NovelSearch, which can download a novel with only one input and one click. NovelSearch is much simpler to use than alternative solutions, as well as friendly to mobile devices.

## Acknowledgement