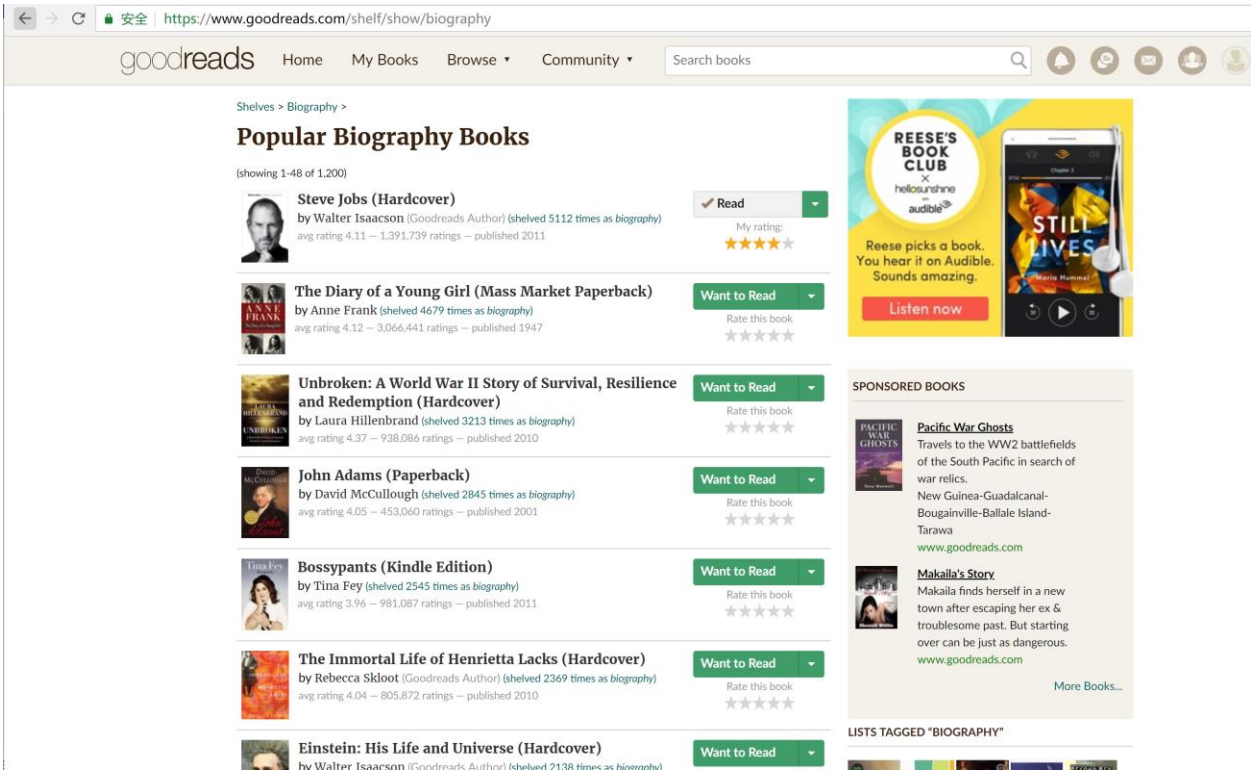
Week 2 Report

In this week, I came out with an idea: Book Sorting.

Why I have this idea?

When I try to find a new book to read, I don't have a specific book in mind, but I have some requirements for my book: the genre, the year it published and the rating of it. Then I went to the *Goodreads*, "a "social cataloging" website that allows individuals to freely search its database of books, annotations, and reviews. —— From Wikipedia" After I selected genres I prefer, I found a number of books that recommended by the website like the picture shows below:



Looked at this page, I got lost in so many books and when I want to find the book has the highest rating, I don't know how to find it fast. At this point, I really want to design buttons for author sorting, rating sorting and the number of rating sorting. The aim is to help users to find the book faster and easier.

In addition, I want to do some adjustment to the display of the book list. The idea is that I want to show the first 20 books once user sorted books, and if users want to see more books, then they can click the "More…" button on the bottom of the page. After doing that, users can see more 20 books for that sorting. This is the dynamic request of data.

What's my plan?

I plan to use: 1. Web framework: Django; 2. Programming Language: Python. Therefore, in next week, I will start to learn Django and try to create a demo for a book website page.

I will use a dataset from Kaggle: https://www.kaggle.com/gnanesh/goodreads-book-reviews, which has nearly three hundred thousand data and include author, rating and the number of ratings.

Readings:

1. https://docs.djangoproject.com/en/2.1/intro/install/
2. https://docs.python.org/3/using/windows.html#virtual-environments
3. https://www.goodreads.com/
4. https://www.w3schools.com/w3css/w3css_templates.asp