Must have list

<http://whatshouldireadnext.com/>

<http://www.pastemagazine.com/blogs/lists/2014/03/top-10-most-beautifully-designed-apps.html> omg they’re so question

1. **Book Recommendation Algorithm(Backend-JS/JQuery)**

* User inputs favorite genre, three favorite books, etc(on second page of website).
* After this, computer will recommend like twenty books.
* Will give books not to read as well.
* If you click a book, there’s a specific book format.

1. **Keyword (Same algorithm(might have slight modifications depending on UI)this one is more specified)**

* Need a number of different keywords
* Needs user to press keywords
* Keywords ned to correspond with tags given to books
* Must give back a list of books
* Different from Book Recommendation because here, the user can pick a book depending on what they want to read at the specific time.

2 ½. Be able to click the book and see info

1. Current Reads List
2. Browse Books (Depends on API)
3. Rating to help algorithm
4. Calendar to organize reading schedule

**Proposal!**

**Problem:**

- often times people find it difficult to find books to read next

- most websites do not have accurate recommendation systems in which books are based on ratings or are not specific enough

- focus more on recommendations for user and have a more simple and modern look

**Solution:**

- implement a search based on keywords/tags that can either be based on previous books user has read or a specific search of tags (8tracks format)

**Implementation**:

- Backend:JavaScript/Jquery

- UI: HTML, CSS

- API: Internet (Google Books?)

**Design Documents**

**Use Case:**

- To utilize Book Recommendation Algorithm based on book title inputted by user:

1. Display input section where user can type in book titles of recent books read or ones they liked

2. User presses submit button once done inputting books

3. A search of books based on the tags each book inputted has is done and a list of most similar books is generated

4. Display recommendation list

**Components:**

Book database, Tag/Search system to generate recommendations

- First Page/Survey

* Input Bars of preferred book titles
* Submit Button → conducts search
* Display of recommendation list
* Do not read list

- User Search

* Display of all keywords books are tagged with
* User can select a few of these keywords
* User presses submit button → conducts search
* Display of result list based on books that contain selected keywords

**Risk Assessment:**

- Book recommendations may not be the most accurate as tag system may be difficult to implement

- API will be difficult to choose so it will take longer than expected to create the back-end functions of our app

-Using the tag system to make recommendations might be a huge component that can take a lot of time.

**Possible API**

* Google Books: <https://developers.google.com/books/?csw=1>
* [GoodReads](https://www.goodreads.com/api)
* [Barnes and Noble Price Retriever](http://www.programmableweb.com/api/abundant-barnes-noble-price)