

Building An “Open Library”,Together

G/IASoC 2020 Proposal for Internet Archive's Open Library

Let's add a “While Waiting” button to the OpenLibrary.org to permit and enable audience to get alternative books while on the waiting list.GITHUB ISSUE #3200 “Offer alternatives joining a waiting list”.

EBOT FABIEN MBI Catholic University Institute of Buea.

I've been a contributor to the Open Library project for over a few weeks now. I happened to be redirected by a School mentor of mine Mr. Etubo Leslie and i found the vision for an Open Library really interesting. I see Google Summer of Code as an opportunity to make a significant community impact through my proposal for a While Waiting pop up that will permit Users not to get discouraged when they have to join the waiting list queue hence keeping users on this amazing platform.

Email: Touchone0001@gmail.com

GitHub:<https://github.com/EbotFabien>

Location: Yaounde,Cameroon.

Timezone: GMT+1

University: Catholic University Institute of Buea.

Major: Software Engineering

Degree level: 4th year undergraduate, BSc. (Bachelor of Science)

Graduation year: 2020

Building “An Open Library”, Together

Open Library is an online project intended to create “one web page for every book ever published” run by Internet Archive. It tries to catalog every book in the world and has web pages for over 27 million book editions. Open Library aspires to be the “Wikipedia” of books -- i.e. a catalog containing one webpage for every book ever published.

Importance

Open library has of aim to keep many users on their platform a digital library with no central, physical location, Open Library plays a critical role in equalizing book access to an international audience. Not every city is endowed with a state-of-the-art library. Some towns, even in the wealthiest countries, don't have libraries at all. Open Library is an opportunity to provide equal opportunity to readers all over the globe. Today, Open Library is limited to the books Internet Archive decides should be acquired and made available through their library program. But there's an **opportunity** to democratize Open Library's bookshelves and extend this power to patrons so every reader in the world may be empowered to Sponsor books of their choosing.

Why now?

In 2018, Open Library added a Want to Read button to their website enabling patrons to tell us which books we are missing from the library. Over 400k unique patrons clicked this button since we added it, teaching us that patrons are eager to tell us which books they want. Nevertheless, I believe this patrons will love to be given alternatives instantly incase the stumble on an already taken book rather than just beign posted on the waitlist and idling.

Proposal

For GSoC 2020, I will like to test this hypothesis by adding a `While waiting` button that will permit users to get immediate alternatives while joining a waiting list rather than being idle or need to scroll down to related books. This will definitely enable users to get a little

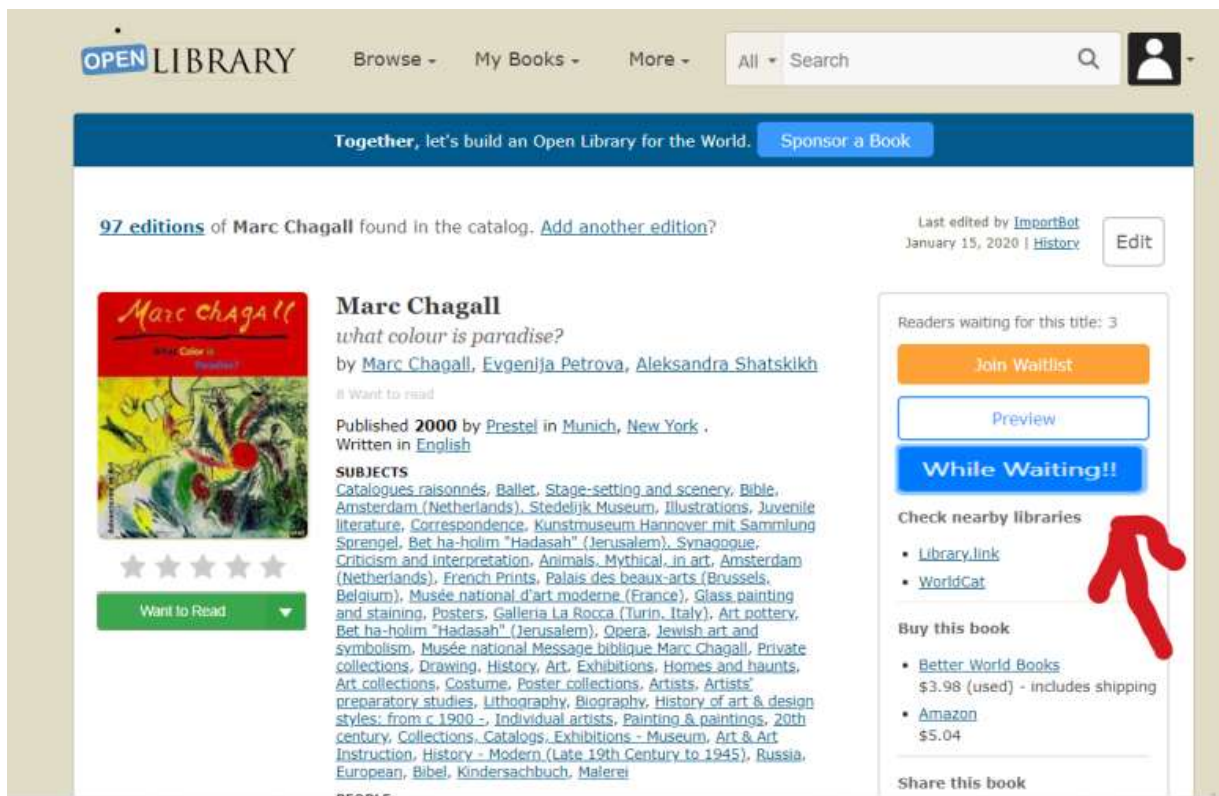
crafty reading another book(Almost similar) or he /she can decide to get to the waiting list without any proposal.

Impact

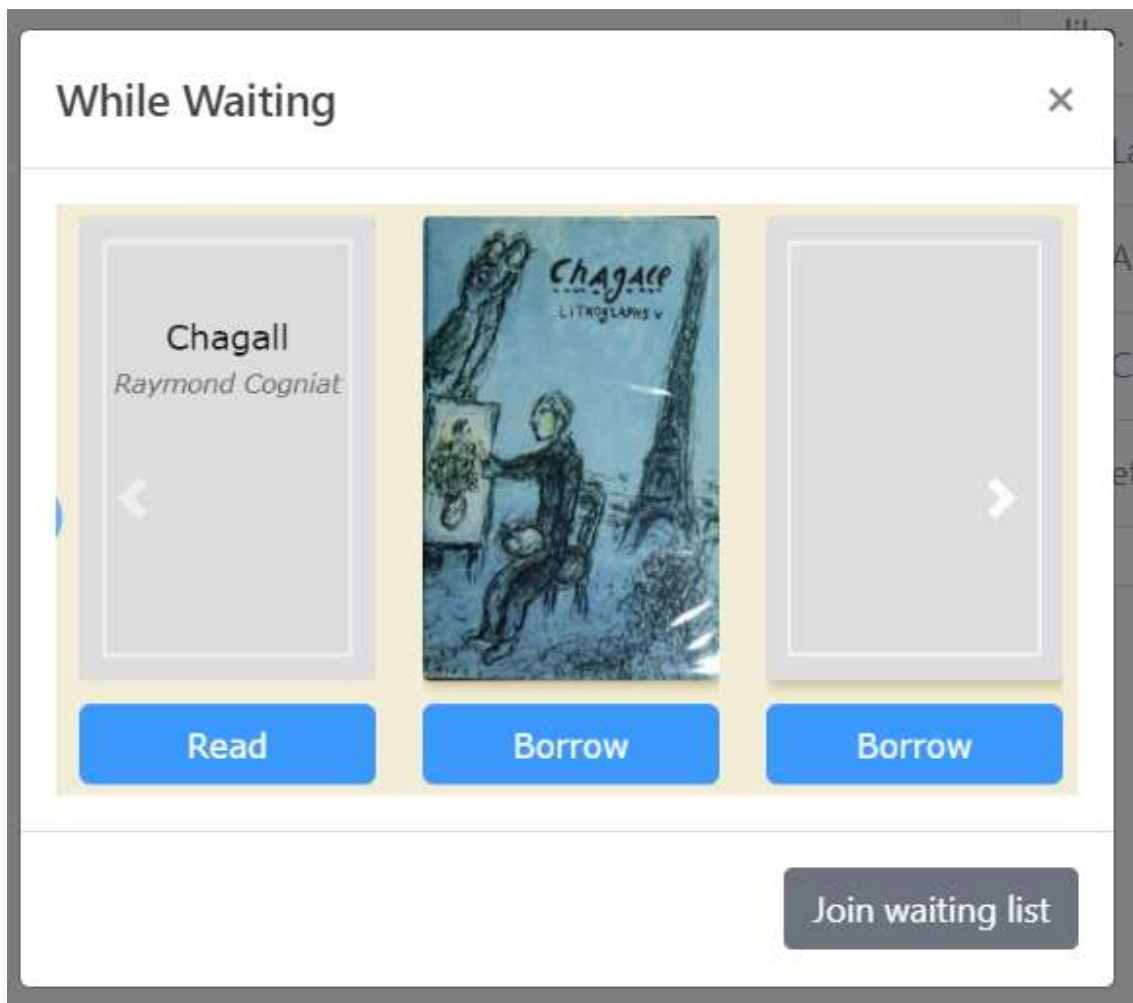
I believe this would encourage the users to stay on the platform reading another book while waiting for the actual book to be released for reading. For Open Library, success means **help more book lovers discover our library** permitting them to get alternatives instantly and at the same time waiting rather than just appending them to a waiting list. This will really contribute to book lovers staying on the platform.

User-Flow

A User can be able to access the button on the desired book's of interest page. There are two ways a patron may enter the flow for sponsoring a book.



- The User discovers a book that is already taken and has 2 options this time around
- The page presents the while waiting button, Clicking this button opens a modal on the Open Library books page which permits the user to join the waiting list at the same time grabbing and alternative to keep him busy while the actual book is occupied.



- Clicking **While waiting!!** leads you to...

The user in his turn proceeds to making his choice among the books he is given and clicks on "JoinWaitList" to enter the wait list and he is assigned a copy successfully.

The user is redirected to a page with book information chosen and a thank you to the User for being patient .

Roll-out Plan

At this prototype phase of this project, I propose we should permit some users to access the "Whilewaiting" button to see how the user responds to it and get feedback. Then after setting up the whole process we would open this program for all the world's users. The stages of the roll-out plan are:

- **v0** only "blessed" administrators are able to participate in the Sponsorship.
- **v1** only "blessed" patrons are eligible to participate in Sponsorship Pilot. Patrons may request an invitation to join Sponsorship Pilot via a landing page/ a google form (which emails openlibrary@archive.org)
- **v2** public release with a blog post

GSoC Program Logistics

Mentor(s)

Michael E. Karpeles (@mekarpeles)

Meeting Timings: As the Open Library community meeting takes place on Tuesday, I would like Friday/Saturday for meeting as, if I am stuck somewhere it would help me clear my doubts easily without wasting a lot of time. ½ an hour to one hour time of meeting time would suffice.

Deliverables

The main goal of this project is to empower user's so that they can donate their favourite books to the Open Library thus enabling universal access to their donated books.

Components and estimated time:

Sr No.	Components	Estimated Time(For completion)
1.	Roles & Permissions for "Book Sponsor"	Done
2.	Database of Book Sponsorships on Open Library (Which @user has donated which books?) <ul style="list-style-type: none"> Design database schema sql Write models (see: Reading Log & User Follows examples) Has book already been sponsored? 	Approx. 1 week: <ul style="list-style-type: none"> 1 day - reviewing schema design for sql and reviewing basics. 1 day - designing database and seeing implementation of Reading Log & User Follows examples. 2 days -Implementing models 2 days - For getting feedback, testing and merging the pr.
3.	Design "Sponsor this Book" button <ul style="list-style-type: none"> Open Library Search results Page Open Library Works' Editions table Open Library Editions (books) Page 	3 days: <ul style="list-style-type: none"> 1 day - for implementing the decided designs as shown above. 1 day - For testing, getting feedback, merging of pr. 1 day -For coming up with alternative designs which would be used in A/B testing of these components and getting feedback on these.
4.	Modal - Researching about modal design and implementing	2 weeks(approx.): <ul style="list-style-type: none"> 1 day - For finishing implementing modal view with available OL modal view. 1 day - For researching

		<p>different modal designs and coming up with a design which we are proud of.</p> <ul style="list-style-type: none"> • 5 days - Implementing the components which we originally thought for archive.org donation page • 1 day - For testing, getting feedback, merging of pr.
5.	Implement analytics tracking for pilot	<p>4 days:</p> <ul style="list-style-type: none"> • Finalizing the campaign plan with the community. • Reading about analytics tools such as google analytics, Optimizely etc and determining the best tool for our purpose. • Implementing button click-tracking and essential data for conversion funnel analysis
6.	<p>Book Sponsorship Page</p> <ul style="list-style-type: none"> • Policy Check (requires clarification from @mek) + check Sponsors list • Payment Processing - Time to implement payment processing 	<p>2 weeks(approx.):</p> <ul style="list-style-type: none"> • Integrating the policy check api - 2 days • Research about stripe - 1 day • Payment processing - 1 week using stripe as on archive's donation page • 2-3 days - For testing, getting feedback, merging of pr.
7.	<ul style="list-style-type: none"> • Thank you page • Email Receipt 	<p>3 days(approx.):</p> <ul style="list-style-type: none"> • 2 day - Design and implementation. • 1 day - For testing, getting feedback, merging of pr.
8.	Open Library account page (list what books you've sponsored)	<p>3 days:</p> <ul style="list-style-type: none"> • 2 day - Design and implementation. • 1 day - For testing, getting

		feedback, merging of pr
9.	Leaderboard of book sponsorships (/sponsors)	4 days: <ul style="list-style-type: none"> • 2-3 days - Design and implementation. • 1 day - For testing, getting feedback, merging of pr. • Then once the basic leader-board is set up coming up with a design that we are proud of (time taken to be decided based on availability)
10.	Homepage "Sponsor Me" carousel	3 days: <ul style="list-style-type: none"> • 2 days - Design and implementation. • 1 day - Testing and merging.
11.	Instrument basic analytics tracking	2 weeks(approx.)

Required Deliverables

Phase I (Week 1 - Week 4): Core Infrastructure

Sr. 2. Database of Book Sponsorships on Open Library

Sr. 3. Design "Sponsor this Book" button

Sr. 4. Modal - Researching about modal design and implementing.

Sr. 5. Implement Analytics tracking

Sr. 10. Homepage "Sponsor Me" carousel

Phase II (Week 5 - Week 8): Checkout-flow

Sr. 6. Archive.org Book Donation Page

Sr. 7. Thank you page and Email receipt.

Phase III (Week 9 - Week 11): Tracking

Sr. 8. Open Library account page for list what books you've sponsored.

Sr. 9. Leaderboard of book sponsorships.

Sr. 11. Simple Instrument analytics tracking.

Phase IV (Week 12): Wrap-up

Blog post and documentation

Schedule:

May 27

Coding officially begins!

Week 1 + Week 2 (May 27 - June 10)

- **Sr. 2.** Database of Book Sponsorships on Open Library
- **Sr. 3.** Design "Sponsor this Book" button

Week 3 (June 10 - June 17)

- **Sr. 4.** Modal - Researching about modal design and implementing.

Week 4 (June 17 - June 24)

- **Sr. 5.** Implement Analytics (for A/B testing)

Week 5 (June 24 - July 1)

- **Sr. 10.** Homepage "Sponsor Me" carousel
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June 28 18:00 UTC

Phase 1 Evaluation deadline

Week 6 - Week 7 (July 8 - July 15)

- **Sr. 6.** Archive.org Book Donation Page

Week 8 (July 15 - July 22)

- **Sr. 6.** Archive.org Book Donation Page

Week 9 (July 22 - July 29)

- **Sr. 7.** Thank you page and Email receipt.

July 26 18:00 UTC Phase 2 Evaluation deadline

Week 10 (July 29 - August 5)

- **Sr. 8.** Open Library account page for list what books you've sponsored.

Week 11 (August 5 - August 12)

- **Sr. 9.** Leaderboard of book sponsorships.
- **Sr. 11.** Simple Instrument analytics tracking.

Week 12 (August 12 - August 19)

- **Sr. 11.** Simple Instrument analytics tracking.

Week 13 (August 19 - August 26)

- Blog post and documentation.

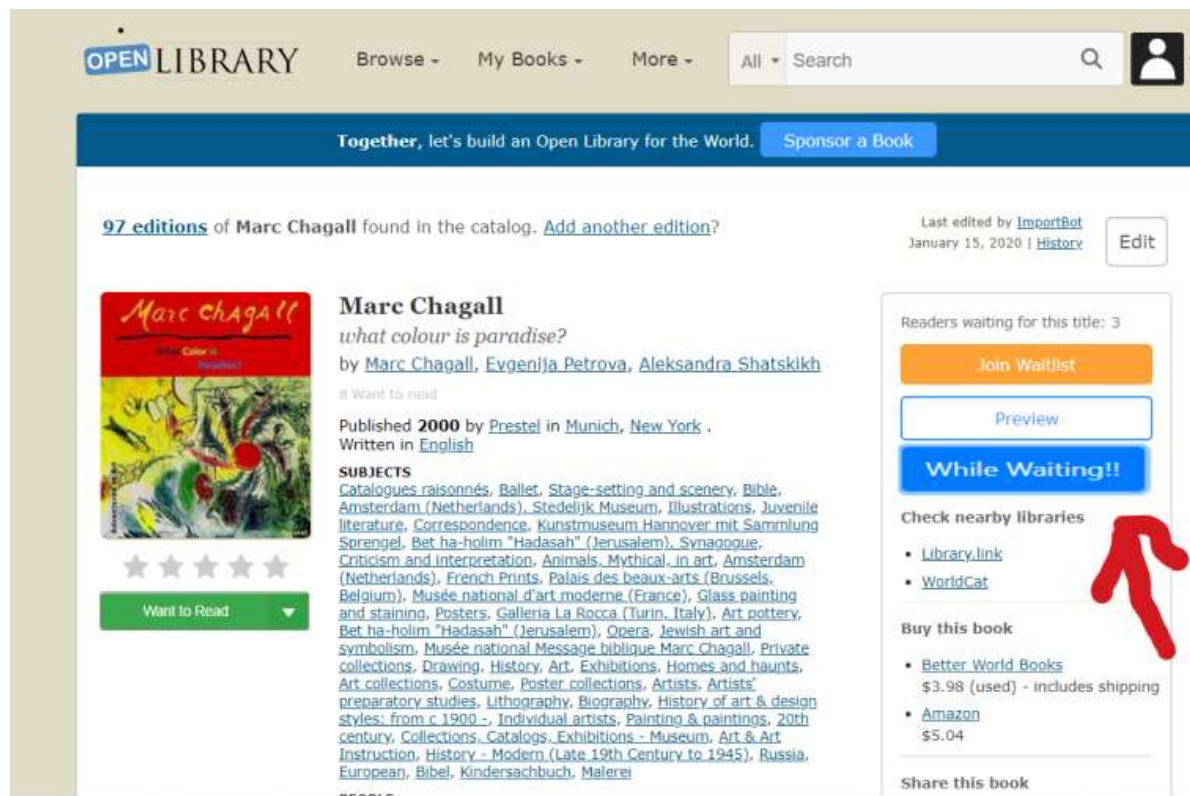
August 19 - 26 18:00 UTC	Final week: Students submit their final work product and their final mentor evaluation
August 26 - Sept 2 18:00 UTC	Mentors submit final student evaluations
September 3	Final results of Google Summer of Code 2019 announced

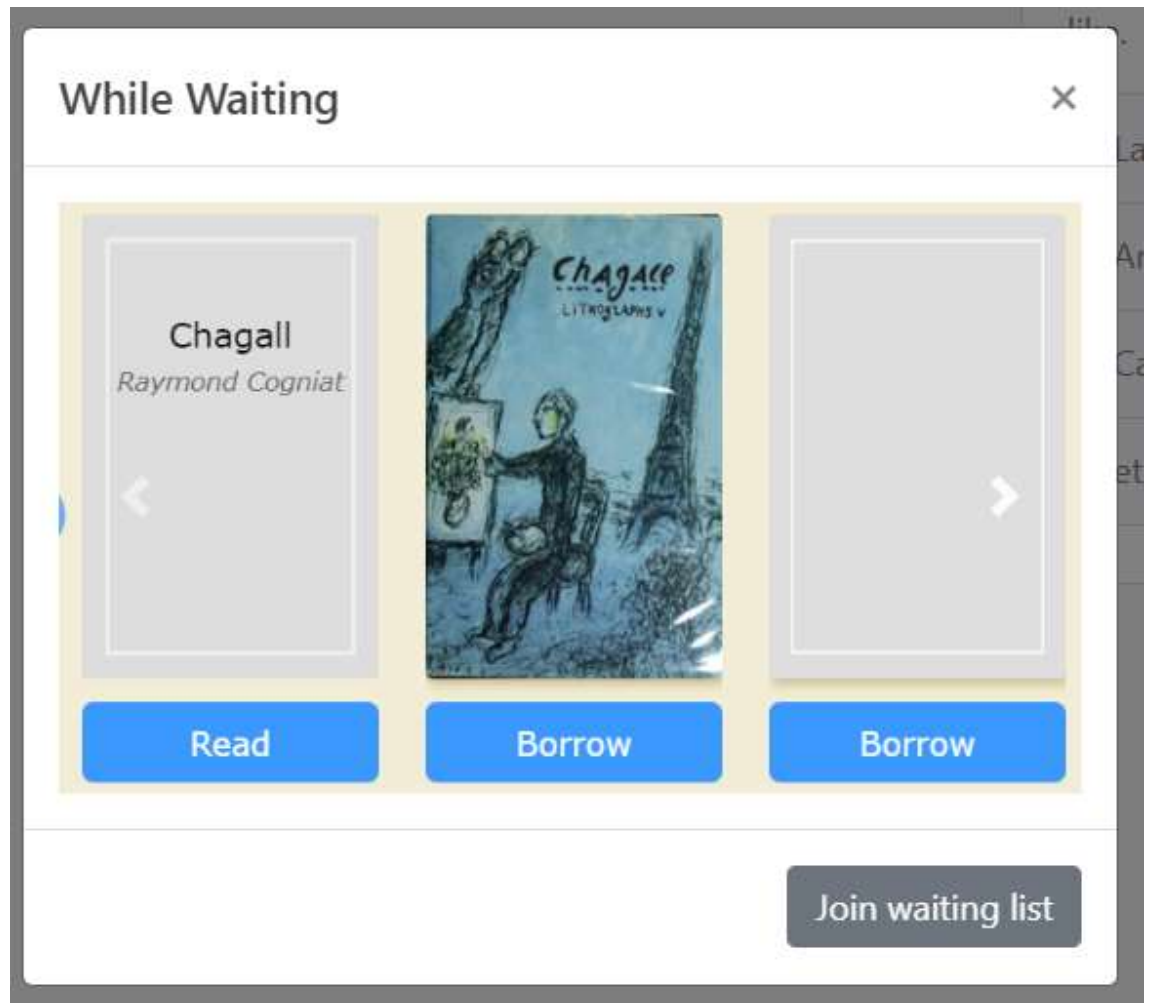
Why me?

Contributions to this repository

I joined the Open Library community some few weeks ago and I stumbled on that issue and gave a draft of what i taught can be an ideal solution for it.

Issue number: <https://github.com/internetarchive/openlibrary/issues/3200>





Other Projects:

Contributed to Scrapy organisations concerning their java script implementation.

Issue: <https://github.com/scrapy/scrapy/issues/4432>