

GSoC 2022 Proposal: Edit Request Wizard

(<https://phabricator.wikimedia.org/T300454>)

Profile Information

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Synopsis

The Edit-Request-Wizard is a project aiming to create a step-by-step form to help beginners submit a Wikipedia Edit-Request. It will have a neat front-end with self describing input fields and a strong backend which shall abide by Wikipedia's verification policies and concerned validations to make it accurate.

This project shall guide the new users through the entire process of creating/submitting an edit request aided with high-quality guidance and error messages, suitable to be used by beginners.

The ultimate goal : To make it easy for anyone to become an editor & making the editing aspect of Wikipedia more accessible for people from all backgrounds.

Mentors : [@Enterprisey](#),

[@Firefly](#),

[@SD0001](#)

Timeline

Period	Task
April 15 to May 4	Set up the development environment in the local system, check all the dependencies and study the codebase. Complete the microtasks to get a macroscopic view of the workflow of the project.
May 4 to May 29	<p>Community bonding period. Interact and build an understanding with the mentors so as to make the future conversations smooth. Getting to know the community's work ethic and keep up with it. Try to work on existing bugs/issues.</p> <p>Analyze & make rough mock-ups of the UI for the form (to present before the mentors). Make & present algorithmic charts on the flow of the form (respecting its step-by-step nature) as a suggestion from my end. Study and get familiar with Wikipedia's policies on reliable sources. Keep the documentation platform ready at hand for a smooth workflow.</p>
May 30 to June 5	Discuss & design the UI of the website with the mentors. Make a sketch-up of the same on figma/Adobe XD (or whichever tool preferred by the mentors) and get it finalized.
June 6 to June 18	Code the designed form and implement all the different functionalities of the same. Make a document of my progress.
June 19 to June 23	Study about Wikipedia user script. Start coding the backend of the website with the preferred language (Python or Rust or any other technology permitted by the mentor). Document the source policies and the checks to be implemented to make the code work efficiently.
June 22 to June 26	Test all the codes which have been written and update my self-progress document along with making changes/enhancements based on feedback provided by the mentors (if any).
June 26 to June 30	Phase I evaluation
July 1 to July 10	Gather knowledge about MediaWiki Action API & its working and use it to complete the backend of the form.
July 10 to July 11	Documentation of the Front-end with a ReadMe and Contributors Guide as well as upload it on Github (In the respective repository maintained by me for the project).
July 11 to July 16	Finalize the backend and link it with the frontend of the project (form).
July 16 to July 20	Receive feedback and do changes if necessary on the codebase which will exist at this point.
July 21 to July 27	Test the form with different types of valid and invalid input. Check the Validation capability of the input source (backend). Update my self-progress document.
July 28	Phase II evaluation
July 29 to August 7	Update the readMe and contributors guideline for the whole project. Make a few edit requests to check the feasibility of the same.

August 8 to August 16	Make a section for New Editors so as to walk them through the process of editing (to be discussed with the mentors).
August 17 to August 21	Final testing of the project with the mentors . Update my self-progress document for final evaluation.
August 22 to August 28	Complete the project , freeze the code and approach the mentors for any further improvements or enhancements.
August 29 to September 5	Handing over the project to the mentor for Submission.
September 6	Final results of Google Summer of Code 2022 announced

Deliverables

- Creation of a form which is modular & collaborative in nature, has proper tags so as to make editing easy as well as maintainable by the developers.
- The front-end technologies used would consist of: HTML5, CSS3 & JavaScript(JQuery) along with some CSS extensions.
- Framework like React (with the mentor's permission) can also be used.
- UX/UI has been one of my ventures , so I will try to make the front-end appealing while maintaining the original layout & feel of Wikipedia.
- Algorithmic structures elaborating the process of 'making an edit-request' (as visual components have better impact and create a better level of understanding).[With mentor's permission]
- Creation of tasks in Phabricator with regular updates.
- Documenting the progress & being in regular contact with the mentors for feedback & enhancements assuring a smooth workflow and completion of tasks in targeted time.

Suggestions for the project(optional):

- I will make a demo (witten/video:whichever approved by the mentors) for the edit request wizard to help the new-users know how to go about it.
- A precise & small pop-up with the do's of a request , which will be a list of criterias that should be fulfilled so as to get a request implemented.This is done in order to provide the new users a sense of direction i.e that they are on the right path.

Phase I evaluation

- The backend of the project shall be powered by Python.
(If the project/mentors require the use of other backend technologies like Rust etc , I am totally comfortable to sharpen my skills in the preferred language of the organization before the coding period begins.)
- Two step verification process for an edit-request :
 - (i) Validation of the URL,book no (or ISBN) or any other source which shall be provided by the user. (Optional)
 - (ii) Matching that source with the link/context provided in the input field by the user.

After passing these two steps the user will get a success message stating the source provided by them is reliable.

- Complete integration of the user-script with linking the front-end & backend components.
- Improvements/enhancements in the form based on feedback from the mentors.

Phase II evaluation

- Run the project through sample test cases and check effectiveness of the code as well as its impact on making the process(for edit-request) smooth.
- (Additional)Making a few demo edit-requests to check the validation process.(As a part of test-cases)
- Maintaining the documentation stating the project workflow along with making an update guide as well.
- Maintain a document of my progress with the organization so as to make it easy-to-evaluate for the mentors.
- Creation of a Commons page for the purpose of receiving suggestions regarding future enhancements/minor changes.

Participation

- Making a git repository with 2 branches. Upload the code in a branch on a regular basis which shall be merged with the main branch once it's reviewed by the mentors.
- Use Phabricator for creation of tasks and management of bugs/subtasks.
- Be online on IRC during my working hours(10AM- 11PM(UTC+5:30)) to communicate & collaborate with the mentors.
- Weekly reports will be published on my meta wiki [user page](#).
- Available on Gmail as and when needed during the non-working hours.

About Me

Education: I am currently pursuing B.Tech in Chemical Engineering from BIT Mesra,Ranchi,India. I am in the 4rth semester of my 8-semester program and will be graduating in 2024.

Individual background: I am a dedicated and straight-forward person with great aspirations to serve the community in various positive ways.

I heard about this program in a campus open-source guide session & it inspired me a lot.

This opportunity is a boon in many ways like exposure to real world projects(how & what it actually boils down to) , collaboration and communication with the open-source community on a global level.Open-Source motivates individuals to get involved in software-development i.e Technology and the communities provides a healthy environment as well, thus encouraging more and more individuals.I intend to keep contributing to Open-Source as far as I can think of & this opportunity shall give it a good kickstart.

During the summer,GSoC shall be on my priority as I don't have other commitments during this period.

I am a learner and shall appreciate feedback(if any).

Internships & Experience: Currently I am doing an internship in a company called [All-Rounders](#)

(<https://www.all-rounders.in/>)as a Web-Development intern.[Duration: 9th Nov 2021-4th May 2022]

I am also a part of GSSoc'22(GirlScript Summer of Code)- A 3 month long open-source program which shall end on 31st May.

Past Experience

I have gained experience with Java,Python,C++,HTML,CSS,JavaScript and on JS frameworks like React, Express frameworks like Node.js as well as Git & GitHub .Among databases ,I have worked on mySQL, MongoDB.My OS preference is Windows.I take interest in Graphic-Designing as well and try to communicate ideas through visuals using Adobe{Illustrator,Photoshop,XD} & Figma.

I have coded a website along with a team for a company called [All-Rounders](#) & am working on a blog site which shall solve & cater to the day-to-day problems faced by women.

Open-Source- I started my journey with being a part of Hacktoberfest 2021.It has been a great learning opportunity since then.

Some of my PRs are linked below :

<https://github.com/Kushal997-das/Project-Guidance/pull/466>

<https://github.com/surajm-333/Ace-The-FrontEnd/pull/239>

<https://github.com/2024-SANDHYA/Blood-Buddy/pull/127>

<https://github.com/khushi-purwar/WebDev-ProjectKart/pull/515>

<https://github.com/HITK-TECH-Community/Community-Website/pull/702>

<https://github.com/vinitshahdeo/SimpleBio/pull/164>

<https://github.com/vinitshahdeo/inspirational-quotes/pull/2503>

Microtasks carried out

- Microtask-2 under (<https://phabricator.wikimedia.org/T300454>)

Link:

<https://www.figma.com/file/DhQzqyAvRoI9yOzusVcraH/Microtask-2?node-id=0%3A1>

The coded form has also been made.

- Microtask-1 -The workflow has been studied and shall be submitted on the site as a demo with concerned Phabricator ticket and required labels.
- Microtask-3 is under progress.

