Purr Data Website Redesign

About Me

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Abstract

Purr Data is an open-source project that provides a graphical programming environment for music and multimedia creation. While the project has gained a loyal following among musicians and artists, its website currently lacks an attractive and user-friendly design. In this project proposal, I am proposing a redesign of the Purr Data website to make it more visually appealing, easier to navigate, and better showcase the features and benefits of the Purr Data environment.

Deliverables

The primary goal of the Purr Data website redesign is to create a modern, attractive, and user-friendly website that will better serve the needs of Purr Data's target audience. Specific goals for the redesign include:

1. Developing a visually appealing and modern design that better represents the Purr Data brand.
2. Simplifying the website's navigation to make it easier for users to find the information they need.
3. Creating a more comprehensive and detailed overview of Purr Data's features and benefits.
4. Highlighting Purr Data's community and open-source contributions to showcase the project's values and mission.

"I am aware that the things I am proposing may already be available or that someone else may be working on them. In such cases, I am willing to adapt and work on other tasks that are needed to improve the overall user experience of visitors. I am also open to collaborating with others and coordinating efforts to ensure that all improvements are implemented efficiently and effectively."

Timeline

The following is a tentative list of goals I plan to achieve in the mentioned time frame. There could be situations in which the project may get delayed or lead to an early completion. I plan to handle these cases by doing work in an extended timeline and stretch goals.

Community Bonding Period [May 4 to May 28]

- Introduce myself to the mentors and other contributors.

- Learn more about The Purr Data's mission, values, and development processes.

- Setting up a personal blog for my GSoC journey with Purr Data.

- Discuss and refine project scope and deliverables with mentors.

Coding Period 1 [May 29 to July 10]

May 29 to June 10 - Design and Planning Phase

- Review and analyze the results of the usability research on the landing page.

- Work with the mentors and other contributors to brainstorm ideas and provide feedback on wireframes.

- Develop a design concept that reflects the research findings and Purr Data's guidelines.

- Create a detailed project plan and set specific goals and milestones for the implementation phase.

June 11 to July 10 - Implementation Phase

- Develop the revamped landing page using Lektor, HTML, CSS, JavaScript and Bootstrap.

- Ensure that the site is well integrated with Purr Data's ecosystem.

- Test and refine the site's usability, accessibility, and responsiveness.

- Provide regular progress reports and communicate with the mentors and other contributors.

June 11 to July 14 - Mid-term Evaluation Period

- Evaluate the progress and achievements of the project so far.

- Receive feedback from the mentors and other contributors.

- Make adjustments and modifications to the project plan and deliverables if necessary.

Coding Period 2 [July 14 to August 28]

July 14 to August 10 - Refinement and Finalization Phase

- Refine and finalize the design and content of the revamped landing page.

- Address any technical issues or bugs that arise during testing.

- Conduct user testing and gather feedback to improve the site's user experience.

- Prepare documentation and instructions for the maintenance and updating of the site.

August 10 - August 28 - Final Submission and Wrap-up

- Submit the final code, documentation, and other deliverables to the mentors.

- Celebrate the successful completion of the project with the mentors and other contributors.

- Reflect on the learning and growth achieved during the project.

- Discuss and plan opportunities for future contributions to The Purr Data

Stretch Goals and Additional Features [September 4 to November 6]

In case any of the above tasks take longer than expected, I plan to work on them during the additional time allotted for stretch goals and additional features.

Deliverables

The deliverables for this project include:

1. A redesigned and optimized landing page (main website) for Purr Data.

2. A user-friendly and responsive design that can be accessed from various devices and browsers.

3. Improved accessibility and localization features for non-English speaking users.

4. Clean and well-documented codebase for easy maintenance and updates.

5. Submission of bi-weekly progress reports to the mentor and the community.

Personal Background

I am a first-year undergraduate student majoring in Computer Science and Engineering at Uka Tarsadia University in India. I am also an active member of the Coder's Club, a student-led organization focused on promoting coding skills among the student community. I have a strong foundation in Lektor content management system(CMS) and several programming languages, including HTML, CSS, JS, Bootstrap, PHP, ReactJS, C++, and Python. In addition, I am currently learning Julia and Qt development tools, and have been contributing to Documenter.jl from the past few weeks.

Apart from my academic pursuits, I am also passionate about entrepreneurship and have won the Shark Tank competition organized in my college, where I presented a business idea for a tech startup. This experience has honed my communication, leadership, and problem-solving skills and has inspired me to pursue a career in tech. I am excited about the opportunity to work on the Purr Data's main website and landing page project for GSoC 2023 with Purr Data and contribute to making Purr Data more accessible and user-friendly for people around the world.

Why are you interested in this GSoC project?

I am interested in the Purr Data landing page project for GSoC 2023 with The Purr Data for several reasons. Firstly, I have a strong interest in web development and UX design, and I believe that improving the Purr Data's landing page will make it easier for people to access and use the Purr Data, ultimately leading to a more engagement. Additionally, I am excited about the opportunity to work on an open-source project with a global impact, and I believe that GSoC provides an excellent platform for gaining experience and contributing to the open-source community.

My skill sets for the project:

I have experience with several technologies and tools that will be useful for the Purr Data's landing page revamp project, including Lektor(CMS), HTML, CSS,

JavaScript, and web design frameworks such as Bootstrap and Materialize. I also have experience with web development using React, which will be helpful for implementing the interactive features of the new landing page. In addition, I have experience with user research and UX design, which will be valuable for understanding the needs and preferences of Purr Data's users and designing an effective and user-friendly landing page.

Some ideas I might have for the project:

One idea for the project would be to incorporate more interactive elements into the landing page, such as animations to make it more engaging and informative for visitors. Another idea would be to improve the organization and layout of the page to make it easier to navigate and find information. Additionally, it may be helpful to conduct user research to better understand the needs and preferences of Purr Data's users and incorporate these insights into the design of the new landing page.

How do you believe you can become an active contributor to The Purr Data post-GSoC?

I believe that GSoC will provide me with valuable experience and skills that I can use to continue contributing to Purr Data post-GSoC. I plan to continue learning and improving my technical skills and knowledge of web development and UX design, and to participate in Purr Data's community events such as meetups and conferences to stay up to date with the latest developments and contribute to the community. I also plan to continue contributing to the Purr Data's open-source codebase and to participate in code reviews and other community activities.

Why Me?

As a Computer Science student, I have experience with several programming languages, including Python, HTML, CSS, and JavaScript. I have also worked on several web development projects, both individually and as part of a team. My interest in open-source software led me to explore the Purr Data. I explored it more

broadly because it's a new and unique idea. I am a fast learner and easily adapt to new technologies. While I am new to contributing to open-source organizations, I am passionate about improving user experiences and making technology more accessible to people around the world. My skills in web development, attention to detail, and dedication to improving my understanding of complex code make me an ideal candidate for this project. I am excited to work with Purr Data's team and contribute to making Purr Data more user-friendly and accessible.

Logistics

I have no serious commitments before or after the GSoC program, which allows me to devote more than 30 hours per week to this project. However, I would like to inform you that I have a scheduled vacation in May. Additionally, my university's second-semester final exams will take place from June 12 to June 22. Nonetheless, I have already made the necessary preparations for these exams and I am willing to dedicate time during the exam days. Therefore, the proposed timeline aligns well with my availability, and I am confident in my ability to fulfill the project requirements.

Open Source Contributions

These contributions are related to Web Development which makes me an ideal candidate for this project. I am an active contributor to Documenter.jl, a popular documentation generator for Julia programming language. So far, I have submitted a pull request ([#2085](#)) to re-enable auto-switching between light and dark themes. Additionally, I am currently working on addressing two issues, namely, auto theme switching based on default browser settings ([#1745](#)) and on-hover footnote preview ([#2080](#)).

References

- [Lektor Documentation](#)

- [Purr Data](#)

- [GSoC](#)

- [Purr Data's Documentation](#)

"I am excited about the potential of this project and I am committed to working hard to bring these enhancements to The Purr Data community. I look forward to the opportunity to contribute and make a positive impact."

THANK YOU!!