Maintenance/Bug Fixes for Music Blocks 3

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College - Institute of Engineering and Technology, Lucknow

First Language - Hindi

Location - Lucknow, India

Time Zone - India Standard Time (IST)

Previous Work

Here is some fraction of my Open-Source work :

1. Chat room joining feature implemented - https://github.com/swarnarkadas/ichat_app/pull/70

2. Typing status feature - https://github.com/swarnarkadas/ichat_app/pull/49

3. Dark-light mode slider - https://github.com/mrbhatt2348/iBlog/pull/43

4. End to end encryption - https://github.com/swarnarkadas/ichat_app/pull/36

Overview

Hi.

This is Rishabh Jain currently pursuing my Bachelors in Technology with CSE(AI) stream from IET Lucknow.

I have keen interest in web development and have contributed to open source projects and have done some personal projects too.I started exploring the domain with the last

Hacktoberfest. Since then I have participated in some open source programs like FOSS Overflow by IIT Bhilai , JWoC by JGEC and college tech fest. I, as this projects requires, am also a musician(lead guitarist in the college band 😀) so I have a decent understanding of how music works.

Why this project?

Being a musician myself, music has always been one of my best companions. I have always appreciated unique ways of learning music and so found Music Blocks website an amazing place to learn and even produce some music. With this project, my aim would be to make learning music and theory easy and accessible for the general public.

Goals

1. Getting deeply familier with the project codebase.
2. Bug fixing - My primary goal will be to eliminate the bugs mentioned in the project idea
    https://github.com/sugarlabs/musicblocks/issues?q=is%3Aissue+is%3Aopen+label%3A%22Good+first+issue%22
3. Adding proper comments in the codebase to make it more understandable.
4. Fixing new bugs that come along the way.

Timeline

Community Bonding

Getting familiar with the code base of Music Blocks. Communicating with the mentors on what are the main issues that need to be solved first(deciding priority and small details).

Milestones

Week 1

Getting familiar with the codebase

Getting to know more about the functioning of Music Blocks by taking a deep dive into the codebase and deciding what issues are to be solved first.

Week 2-5

Solving existing issues

During this time period, I will be targeting the issues as mentioned in the project idea and the issues having a "bug" tag in the project repo.

These issues will include :

1. The unsolved issues mentioned in the project idea.
2. Student losing work issue - https://github.com/sugarlabs/musicblocks/issues/2749
3. Dragging is unresponsive- https://github.com/sugarlabs/musicblocks/issues/3011

Week 6

Deciding the next issues

Evaluating the solved issues and making any required modifications.

Deciding what are the next bugs that are to be solved with the mentors.

Week 7-8

Making the codebase cleaner

As the codebase is quite old and needs proper maintenance, I shall be adding comments in the code wherever required.

In this, my first target will be the "index.html" file, because it is pretty long and mostly uncommented.

Next, I will be adding comments in the JavaScript files which are located in the " musicblocks\planet\js" location in the project repo.

Week 9-10

Taking reviews and improving

During this duration, the final testing and bug fixing will be done. I will also be communicating with the mentors and interacting with the community regularly to get reviews about the solved bugs or about any new bugs they might have spotted.

Week 11

Keeping a spare week (in case anything goes wrong or some bug persists)

How shall I be doing stuff?

I have done decent number of projects involving JavaScript and have decent knowledge regarding the language.I will be solving issues and reporting the mentors after solving each issue.Then I will wait for them to give any advices to improve the issue . Meanwhile I will be working on the next issue and this way I will be moving forward.I am comfortable in giving 2 hours each day to the project excluding some days of emergency.