

# KWoC Project Report

Name : Jigyasa Gupta

Institution : Dayananda Sagar College of Engineering

GitHub : [Jigyasa-G](#)

## #About KWoC:

[KWoC](#) (Kharagpur Winter Of Code) is an annual open source program conducted by Kharagpur Open Source Society, IIT Kharagpur. This 5-week long program that runs during the month of December aimed at promoting open source participation and helping students prepare for events like GSoC.

## #Selecting Projects :

The most interesting part was to choose projects with the added advantage of still exploring and selecting projects throughout the coding period. There were a lot of projects that I wanted to contribute to but I chose the ones based on Web Development, parts of which I had experience with and some to learn further.

I contributed to the following projects :

- usage-monitor
- JokesApp
- KWoC-21-Frontend
- chatApp
- Primitive-Paint

## 1 # Contribution to Project : [usage-monitor](#)

**Mentor** : Aditya Bisoi, Subhangi Choudhary

About the project :

A chrome browser extension meant to monitor the time spent on websites with the ability to store previously visited websites and their usage time. It also has a functionality to clear history to reset monitoring.

→ **First PR** : [Added Feature Request.md](#)

The purpose of Open source is to promote modification and redistribution of code base, adding a template to enable users to request a feature so that contributors and maintainers get an insight into user needs seemed to be an idea worth working on. This pull request was with respect to the issue :

[Add issue template: feature request #2](#)

I went through some standard documentations, extensively edited the template to suit the needs of the repository.

→ **Second PR** : [Added CODE OF CONDUCT file](#)

After realizing the importance of contributing to Open Source what follows is knowing the 'rules of the game', so I chose this issue. This PR was made with respect to the following issue :

[Add Code of Conduct file #15](#)

I skimmed through a lot of the documentations on Code of Conduct for contributing to Open Source community and designed one suited for the project .

## 2 # Contribution to the Project : [JokesApp](#)

**Mentor** : Shivam Yadav

About the project :

A random joke generator where one can select the genre of jokes and share that joke on social media handle.

→ My PR : [Added favicon to the website](#)

I had already learnt about basics of HTML, CSS and JavaScript. This project propelled me to learn about APIs, Embedded JavaScript(EJS) and Nodejs. After having explore the project thoroughly , I realised that though the web-app was interesting , one could not distinguish this page from the other websites when multiple tabs were used simultaneously. The reason I found was lack of a favicon, which I added. However I came across my first merge conflict due to recent changes in the repository. After some google–searches, I figured out that the PR required fetching upstream and making changes to relevant files (header.ejs in my case). My mentor suggested me to replace the favicon with an image of better quality and to download them from standard websites like Flaticon. With all the suggested changes I created a PR to solve the following issue:

[Add a favicon to the website](#)

### 3 # Contribution to the Project : [Primitive-Paint](#)

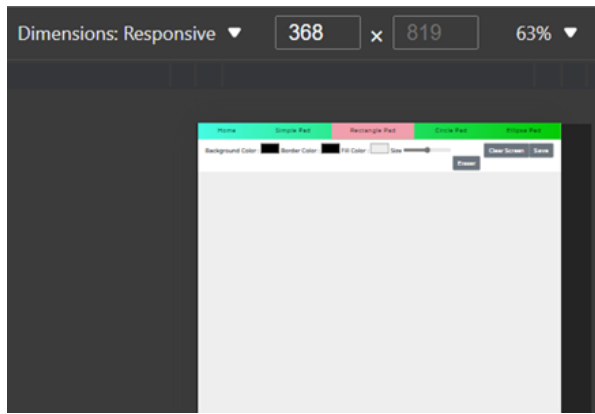
**Mentor** : Shivam Yadav

About the project :

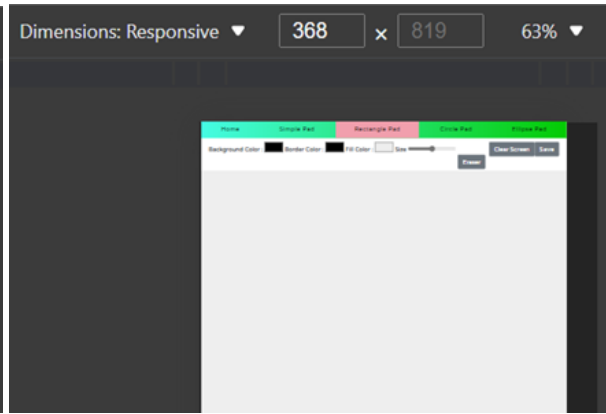
A simple paint app using paperjs-library that involves features like a pen or inserting shapes like circle, rectangle and ellipse of varying border radii, border color and background color.

→ My PR : [Making responsive Navbar](#)

As I inspected the webpage extensively, I found out that the buttons were losing alignment when the configuration changed to devices other than laptop. These changes were requested in this [issue](#). An extensive inspection found that changing the size of slider and introducing padding would fix the responsiveness. A sample of changes made are as follows :



Before



After

#### 4 # Contribution to the Project : [KWOC-21-Frontend](#)

**Mentor** : Sahil Shubham, Chirag Ghosh

About the project :

The official website which was live for KWOC '21 was also open sourced to encourage fruitful contributions from participants.

While I was navigating through the website to find answers to general queries as a participant, I realised a link was missing from the FAQ section and I decided to add the link.

→ My PR : [Fixed the link for manual in FAQ page](#)

This project was important to all participants yet challenging for me as I was yet to learn React and didn't know how to deploy a React app. I figured out the files which would affect the page by inspecting it and made a PR accordingly. My mentor suggested me to add the link using anchor tag to the json file that was being maintained. The PR was merged to the respite of users.

#### 5 # Contribution to the Project : [chatApp](#)

**Mentor** : Arpit Jain

About the project :

chatApp is a beginner's level messaging application built using Socket.IO and Express.js. It constitutes a chat-room where different people can join in to talk to each other in the text mode of communication. Tech stack involves HTML/CSS and Javascript.

→ **My PR :** [Added content for mail inbox — forgot password](#)

The repository covered a vast variety of features spanning the frontend and backend. I took up an [issue](#) described by the mentor to add a professional mail to be sent to inbox if the user forgets password and demands an OTP. I learnt the mechanism of mailing automatically using JavaSacript, specifying the subject and a professional message. However, the mail was filtered and landed in the spam section. As guided by my mentor, I glanced at the reasons for a mail to land in spam section and found that a subtle change in the order of words would fix this.

## **# Conclusion :**

Summing up, I learnt a lot of intricacies of Web Development through real-time projects. KWoC was a great kickstart into the world of Open Source, which also taught various aspects of GitHub, understanding the codebase and making meaningful contributions as a beginner. Another worthy facade was learning the mannerisms of communicating with the mentors and fellow contributors who gave valuable insight and feedback.

Altogether, the experience reiterated a saying, "If there's a will there's a way".

Looking forward to learn further tech as well as soft skills to keep taking strides in the world of Open Source.