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Scrambled Eggerts Web Application Final Report

Our app's purpose is for users to post events that can be seen by other users. Users can post an event's name, the host, the date, the time, where it is, and a description. Then, in the home page, users can see other events that other users or themselves have posted. And an additional feature is that users can also search events by name.

I will next give a brief overview of my app's architecture and the technologies I used. The main technologies I used were MongoDB and codesandbox.io. I mainly used JavaScript, Embedded JavaScript, CSS, Express, and MongoDB Client to construct my app's architecture. For the server.js file, I connected my MongoDB cluster account, then use the app.get and app.post to construct adding events and searching events respectively. Then I used index.ejs in order to display the events that were posted and the events that were searched. In index.ejs, I created two forms, one to add an event in section 'add-event', and another to search an event in section 'search-event', then I had just one function to display the events that were passed into index.ejs in the section 'data-position = events'.

A description of features supported by my app are just the base three features that are required. We can display dynamic data to the users in the form of events, which are created by the users upload events by the form on the left-hand side, and finally the users are able to search through events by name on the right-hand side. We unfortunately were not able to work on creating profiles or anything useful due to time constraints and ignorance.

There were several notable difficulties me and my team faced. The first and foremost is that me and my two other group members David and Elle did not know how to create a web app in any capacity. Also, we were also a group of three, and we each have remarkably busy lives and conflicting schedules which was also difficult. And that is not to mention the troubles we had with codesandbox and Mongoddb. I truly abhor Mongoddb. I thoroughly researched it, did every tutorial, and asked others, and could not get it working properly on my computer, so I had to use the inferior version of compass and the website to access my data. But after a while, I was able to understand it a little and get it to the work of being able to post data, see data, and search through data with Mongoddb. Then codesandbox caused so much trouble. Getting it started was a Herculean feat by itself, and that is not to mention the times were it just stopped working for no reason for a couple of days. My team and I got the web application working one day then on the next, it just broke. We had to wait 3 days for codesandbox to just decide it wants to work again.

And these difficulties lead to a very troubled contribution ratio. I did all the back and front end work while the front-end css work was taken care of by Elle , and David helped to start to get the code working on codesandbox and write the README file to get the app working locally. I had to search up article that taught web development, I had to learn the database Mongoddb and I had to learn how to search and post, and how to deploy the app. I also had to get the group to start working in the beginning with a plethora of articles and documentation to start learning web development with me. But I cannot fully blame the other two members as I have a very proactive mindset. As I am so ill equipped to do these projects, I do everything I can at the start to at least try to finish something by the end. Elle, and David did try to meet up with me and I think they tried to learn the back and front end and did try to help. And I tried to make sure they knew what was going on and have them update the Git repository to make sure they get their

credit. They were fine to work with and did provide a great amount of assistance when I needed some motivation at the end to finish and they gave it to me, and Elle was great to help with the nice website decoration. I would still give the full amount of participation or other points due to the work they did help with.

There are so many improvements and additional features I would make if I had more time. I would have added in profiles that needed to be active to post events, I would have added more pages, I would have added in images, I would have added likes and an 'interested', 'not interested', 'definitely not going' categories to the posts that users can add on, which only the original poster would have seen. Also, I would have added in group profiles where say clubs or other organizations would be, vs personal posts.