Project: Silibrain LLC- Vibesdoc
Class Name: CSE 486-Capstone 2
Name: Rohan Chopra
Brief Description: Vibesdoc is an application that conducts a survey in the form of a
questionnaire and uses results from that survey to conduct a prompt medical diagnosis.
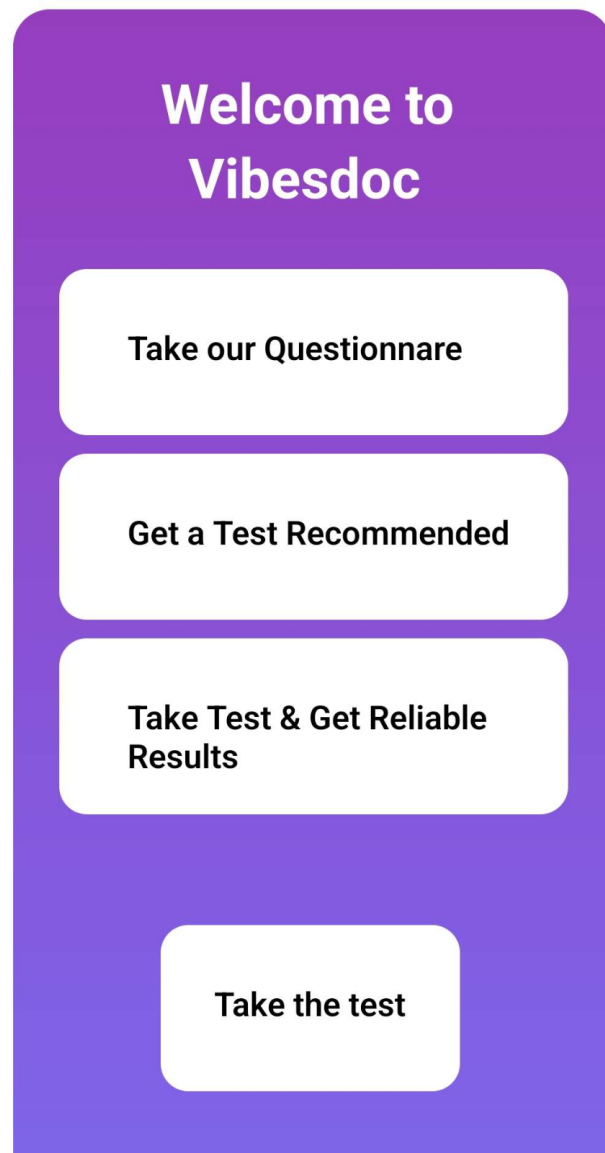
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Description: The motivation for Vibesdoc was to build an application that can benefit the general public and improve the health and well being of every customer who uses it. We want to build a react.js application that can survey a user and use the data from the survey to references it with other databases and conduct a diagnosis based on that data We want to build something that can recommend treatment as soon as possible to a potential user such that their illness or disease can be handled quickly and efficiently. This gives the user an idea of a potential diagnosis before they seek medical help.Our project is not complete as of yet. However, a good portion of the project is complete. Our project stands out from the rest of the capstone projects because it is performing duties that can potentially save a life or save someone from many serious health problems, and it is also an application that is very easily accessible to all people no matter what their financial status is or where they live. It also stands out from the rest because the functionality of our application is one that cannot be duplicated by other companies right now.

Use Cases:

A user will open the application and click on "Take our Questionnaire" be prompted with a series of questions in a row. They will have to select between four answer choices for each question. After they are done taking the questionnaire, they will view the results page.

Summary for presentations: I contributed speaking about the lessons learned and the future works for this project. I also helped present the results of our project to our sponsor.

Summary for reports: I was in charge of tracking the progress we made each week and reporting it in the progress section of the sprint. I also was responsible for updating the charts that tracked our hours we put in each week.

Summary for Product: I was responsible for developing the questionnaire page of the Vibesdoc application. Additionally, I assisted with the backend development as well.

Summary for Team Management: I attended all the group meetings with my sponsor and I also contributed to keeping my group in charge of the deadlines that we had to meet during the course of the semester.

Reflection: In this class, I think I did some valuable work that will be useful throughout the rest of my career. I think the quality of my work could be improved if I had put more time into this project. I had a very busy semester this fall. I learned how to code in react.js frontend. I also learned how to setup databases on myphpadmin and use SQL queries. The skills I learned through this project will impact my future because if I want to go into mobile development, then the software I learned in this project will come in handy for future work that I will have to do for a company. As well as the agile process will be used in a team of software engineers if I go down that path. In the corporate world, working with a team of developers is very important and managing deadlines is as well. This class taught me how to do both of these things every single day. I also learned what it is like to work with a higher sponsor. He was essentially like a boss throughout this whole process, he guided us through every week.

Economic Value: The economic value that our application will provide will be well worth it for consumers. Consumers won't have to worry about speaking with their doctor prematurely before treatments as this application will provide them with a quick and efficient diagnosis early on in the stages of their illness or disease. It will also recommend the best plans for users who want to seek treatment.

Health and Safety Value: This application will ensure that the health and safety of our customers remains as good as can be. It essentially informs the customers of the best treatments available based on what they are feeling or going through at the moment.

Reflection on Team: I think our team had a lot of success. We managed all of our roles very well and we completed most of our deliverables on time. We were all previous accquiantances before this class so communication was not a problem that we had. We did miss a couple meetings with our sponsor due to timing constraints or holiday breaks. We were eventually able to resolve all those issues though. I would say that we divided the work very evenly and there wasn't too much work being assigned to one person. We were able to write thorough reports each week to our capstone advisors in order to show what we were working on a biweekly basis. There are many things that I believe we could have done differently this semester though. I think we could have set up more in-person meetings so that we could have proper face to face communication on what was going on rather than just virtual meetings because I find that more effective for development personally. I also think we could have started on the project after we were done with the initial planning phase a whole lot earlier. Due to the summer being a very busy time for a lot of us, we did not get started on the project as soon as we had liked to, so I believe that is something we could have improved on. The last thing I think could have been improved on is better goals for each week. I found that sometimes we would have to carry out a goal that we had for one week into the next week because we were not able to get it done. I think having more anticipation about what we can accomplish in a week would be very helpful for my next endeavor.

Conclusion: In conclusion, I am glad I had the opportunity to work on Silibrain LLC- Vibesdoc. I learned a lot of valuable information and skills that I can use in the future to further my career in the software development industry and I formed connections with my peers.