

Criterion A: Planning

Defining the problem

My client, Mrs. XXX, is a recruitment consultant. She has to find suitable candidates for open positions that her clients have and she has to schedule interviews between her candidates and clients.

Presently, she uses excel to store and note down all the required candidate details and has to mail the file to her supervisors. She has to note down the available interview time slots of the clients and then assign them to candidates based on their availability. Then she has to send mails to her client and candidates with the respective meeting links for their interviews. This entire process is done manually, making it very tedious. A centralized system that combined all the data could make the entire process simpler and more efficient. She also wanted to be able to share any solution made with her colleagues.

Rationale for Product

I felt the best way to solve Mrs. XXX's problem was to write a web application with an authentication system in place for security that will store and present a user's interview data with respect to the position the interview is trying to fill. In addition, adding an authentication system would also allow multiple users on the application since they would all have different credentials achieving the client's desire for an application that she can share with colleagues. I have decided to use React JS and Firebase to develop my solution.

- React JS: I will use React JS in the front-end. Since, I had some prior experience with web development this also made the learning curve easier. It improves product extensibility with features such as react native which will allow us to turn the web app into a mobile app as well.
- Google Firebase: I will use firebase for the back-end. This is because it hosts a server for you free of cost and simplifies complex back-end programming into a user-friendly interface.

Success criteria: -

- I. Ability to create users
- II. Ability to authenticate users to separate interview data

- III. Ability to remain logged into the application
- IV. Ability to create positions
- V. Ability to add new interviews for each position
- VI. Ability to change vacancy of interviews a new candidate wishes to join vacant interview
- VII. Ability to edit position details
- VIII. Ability to delete interviews
- IX. Ability to close position
- X. Ability to log out of application

Word count: 385