FindYourRoof – Job Search & User Authentication Scenario

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The FindYourRoof application will eventually serve as a centralized platform aimed at providing all necessary resources and organizations beneficial to homeless people. The website will address and aim to provide a permanent solution to the homeless issue in America by providing affordable housing options, potential job opportunities, a document storage for all their important documents, etc.

Our first scenario established our website's UI such as color scheme, reusable React components, structure, etc. as our skeleton model along with the infrastructure. Furthermore, we incorporated our House Searching feature which is a tab where homeless people can search for affordable housing options based on criteria like location and amenities.
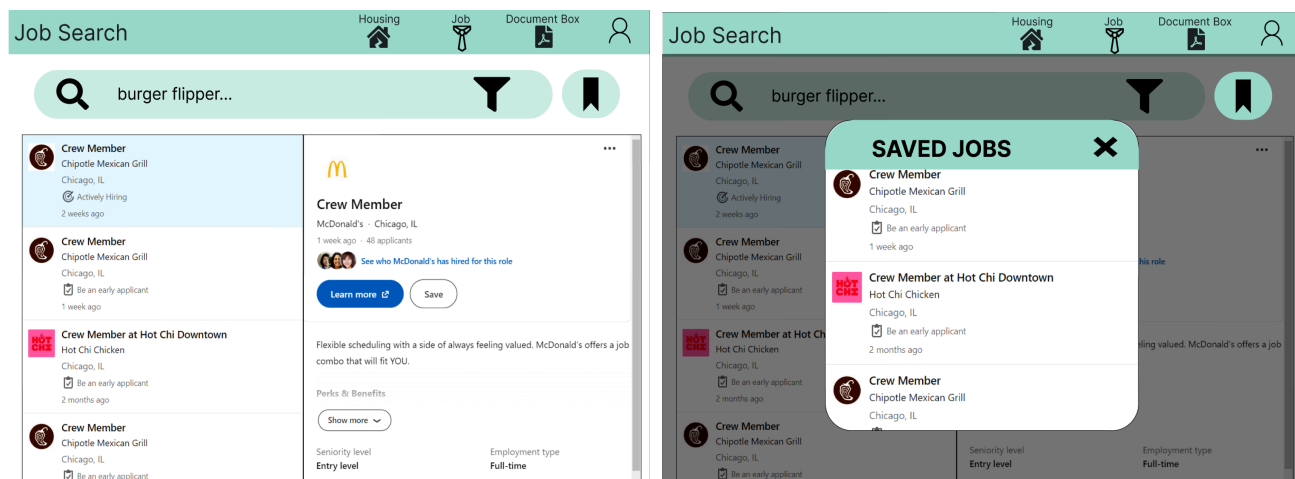
Scenario "Job Search":

In this scenario, we aim to allow the user to be able to access the "Job search" where they can search for jobs around them based on their skill set and what they find interesting. The user will be able to search for a role and see available job listings on the screen.

Upon the results from their search, there will be a list of all jobs that match them. When one of the items from the list is selected, a detailed view of the job (Designation, Location, Description, Salary, etc.) is displayed on the right hand side of the screen. Moreover, the user will also be able to filter the results based on experience level, distance, and salary rate.

Furthermore, they will be able to save the jobs they would like to revisit or store for future reference. There will be a 'Save' button on all job posts, which the user can click to store it. To see previous saved jobs, the bookmark icon to the right of the Search Bar will need to be clicked to see the saved job list.

This scenario primarily focuses on implementing the features that may serve most value to the users i.e. job search based on roles, company names or location.

Figure 1 - Wireframe Diagram of the Job Search page

Scenario "User Authentication":

In this scenario, we want to set up user authentication, like login and logout, which is crucial for any web application. Storing user data in our database helps make our application more secure. Plus, it lets us use this info when dealing with the job-saving feature in the job search. It's a way to control who can do what in our app and keep everything safe.

We plan to use OAuth, provided by Supabase, for this purpose. OAuth is an authentication service that seamlessly integrates with Supabase, enhancing our ability to implement secure and efficient user authentication in our application.

Housing Search Additions:

This scenario will also include improvements on the first scenario – Housing Search. We will be working on having a more robust search for the housing search and ability to filter the houses based on price range, type of housing, etc.

Also, we want to improve the user experience when searching by adding toast messages when there is an issue with search queries, and by upgrading the search algorithm. When nothing matches the search results, the toast message will be displayed to provide clear feedback to the user. We will also pass more information from the API to be displayed on the site such as images of the property to better illustrate to the user that particular housing option.

Moreover, the User Interface and styling of the Housing page will be updated to align with the current design layout of the Home page. This will ensure that the application is constant and consistent with regards to web graphics and layouts, while the user is navigating the various pages.

Streamlining Design System:

We will choose a design system, and stick to it throughout the entire project. Meaning, a coherent set of spacing, font sizes, border radius, color, etc. will be chosen.