

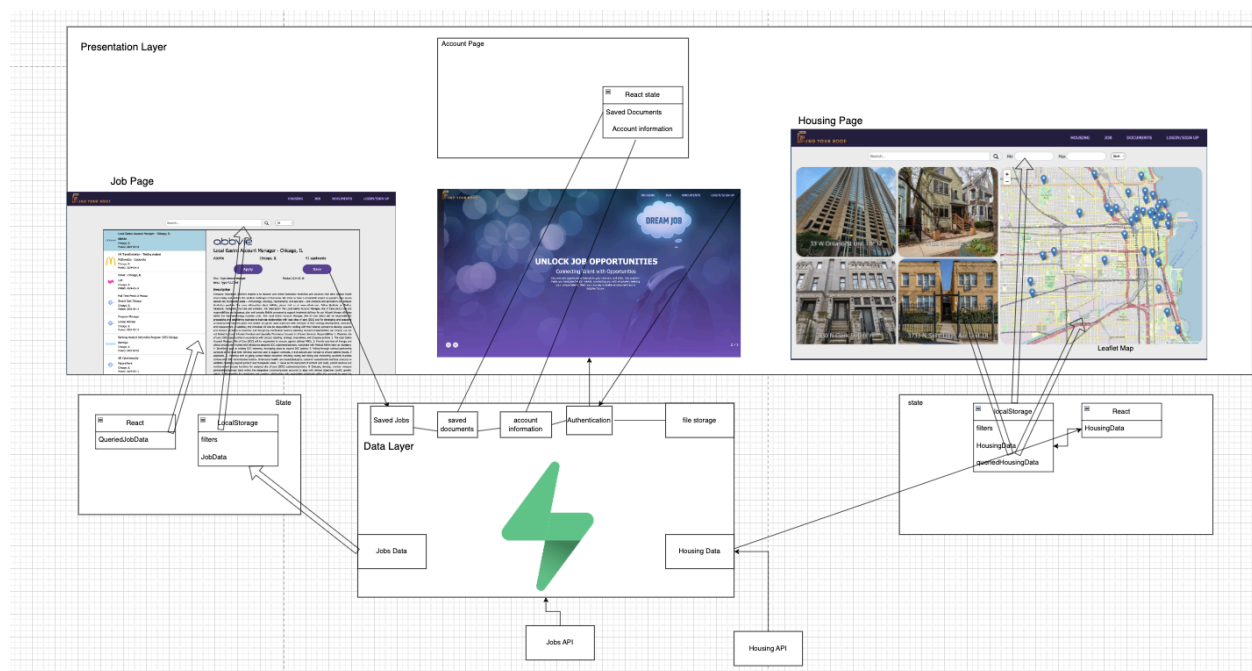
FindYourRoof – Document Storage & Homeless Shelter Scenario

Group 11 - Frank Mensah, David Serrano, Michael Jedziniak, Vibha Navale

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 previous scenario implemented the job and user authentication features. This allowed users to sign up or login to their account. Furthermore, we established our Job Page, giving the users the ability to browse and filter jobs in Chicago, while having the option to save jobs they were interested in.

Bringing it all together, here is what the architecture looks like:



Our housing page is implemented and so is our Job page. The way that they interface with searching works the same way! The way they pull data from Supabase works the same way. All dynamic data is pulled from Supabase. The rest of the data (like frontend state) can live in React. In our upcoming account page, we will allow authenticated users to view their account information and saved documents. Their account information will be stored in a SQL table in Supabase. Also, their saved documents will also be stored in Supabase, but in their file storage.

Scenario “Document Storage”:

In this scenario, we aim to implement a document upload and storage feature that will allow users to securely store essential documents, including government documents, in one centralized location. This feature will facilitate easy access to important documents such as resumes, images, work authentication, and more, ultimately enhancing their job or housing applications. By providing a centralized repository for storing vital documents, our platform aims to streamline the application process for jobs and housing, ensuring that users can conveniently access the necessary documentation when needed.

In our navigation bar, “Documents” will be changed to “Account” and under this tab the users will have the option to view their saved jobs and any documents they previously uploaded. Furthermore, they will have the option to upload more documents by clicking on the “Upload Docs” button, or remove any older documents they no longer require. To access this feature, users must be signed in; otherwise, they will be prompted to sign in before proceeding

To achieve the above, we will be using Supabase. Supabase allows us to store a variety of document types and this will be beneficial since we are not constraining the document type the users can upload.

Scenario “Homeless Shelter”:

We are going to include a Homeless Shelter page. Currently, our housing page is designed to help homeless people find long term secure homes once they are at the point in their life where they are able to afford to rent or own a home. However, we recognize that this feature is not beneficial to recent or early stage homeless people. Therefore, we aim to provide them a page where they can find shelters near them so that for the time being they will be able to ‘find their roof’.

This page can be found under the ‘Housing’ tab. There would be a switch button at the top of the page so users can switch between the current housing page data and the homeless shelter data.

Scenario “Quality of Life Improvements”:

Finalizing the project, we aim to address the minor features of our application to create a polished and finalized version. The most notable ones being hyperlinks to buttons on our home page for smoother navigation, and include informative text in the footer for user clarity.

Furthermore, we are going to make the application responsive with mobile compatibility through responsive design. This ensures seamless access and interaction across various mobile devices. To accomplish this goal, the Components and Pages will have unique CSS for a mobile/tablet interface, where elements will be condensed, resized, or hidden to ensure a minimal yet efficient user interface.

Lastly, we will deploy the application onto the web for public access. We will use Netlify or Vercel, whichever one interfaces better with NextJS. We will not buy a domain.

We acknowledge that this scenario would demand considerable time and effort, but we are committed to addressing it as part of the final scenario. However, should we not accomplish this by the end of the semester, we will implement it as a 'Future Enhancement'.

Figure 1 - FindYourRoof Mobile Wireframe Diagram

