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Software and Electronics Engineering

Project Engineering

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HOUSE SWIPER

Project Overview

House Swiper is a tinder-like web application for finding accommodation.
It allows you to connect with potential roommates or landlords/tenants by swiping through other users, and liking or disliking based on your preferences. Users that match with each other can communicate via the messaging platform on the app. This project was inspired by the housing crisis that we are currently living, and aims to make it easier for people to find accommodation.

Technologies

Front End

React - Javascript library used for building user interfaces
Next JS - React framework
CSS - styling

Back End

Node JS - JavaScript runtime environment
Express JS - Node JS framework that simplifies building RESTFUL APIs
Express-sessions - handling user sessions and cookies
Passport - handling user authentication
Amazon Web Services
  S3 - storing user generated content such as images
  EC2 - hosting
  Route 53 - DNS service
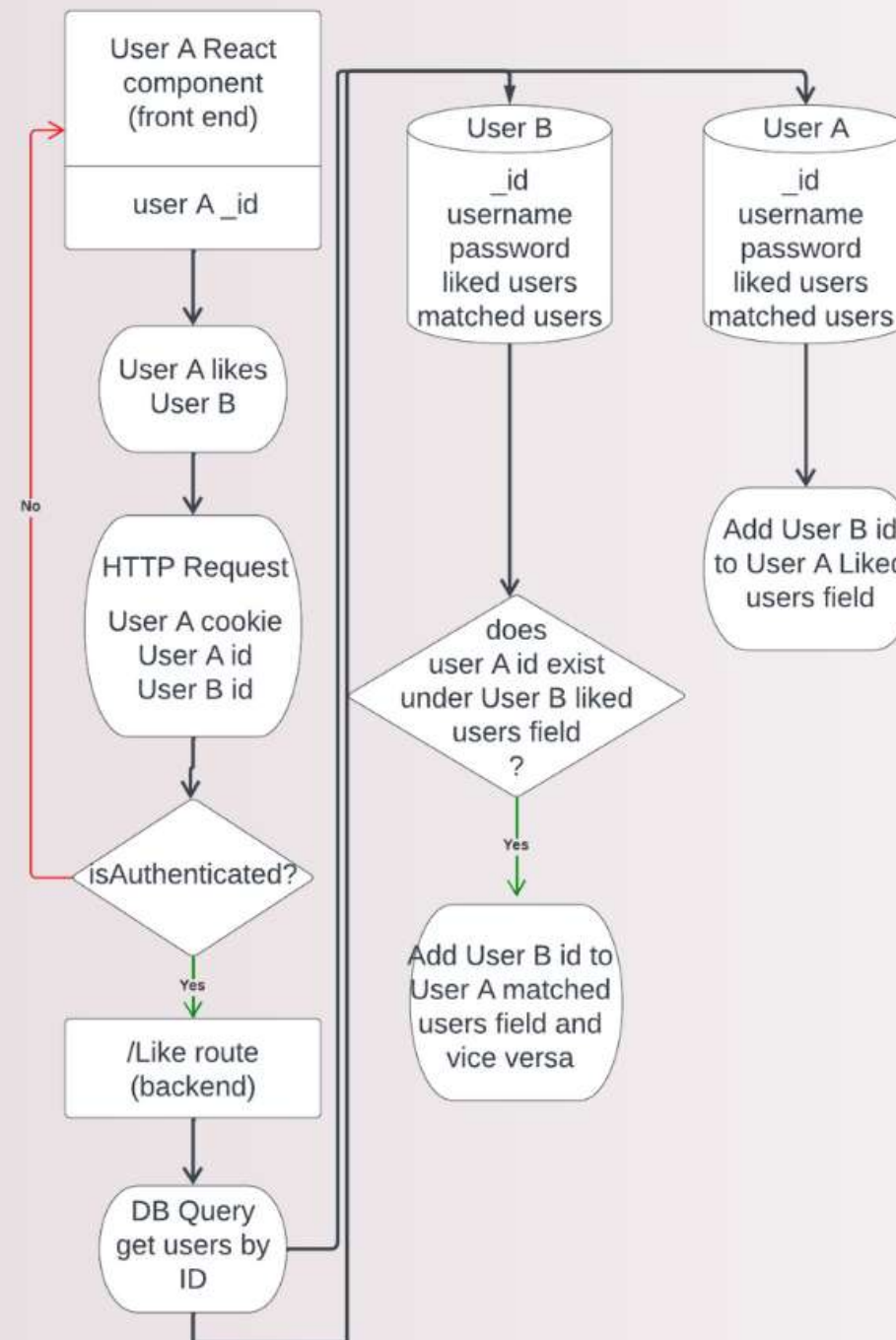
Block Diagram

Hosted on **aws**

NEXT.js / CSS / React ⟷ node JS ⟷ MONGO DB ATLAS / aws S3 BUCKET
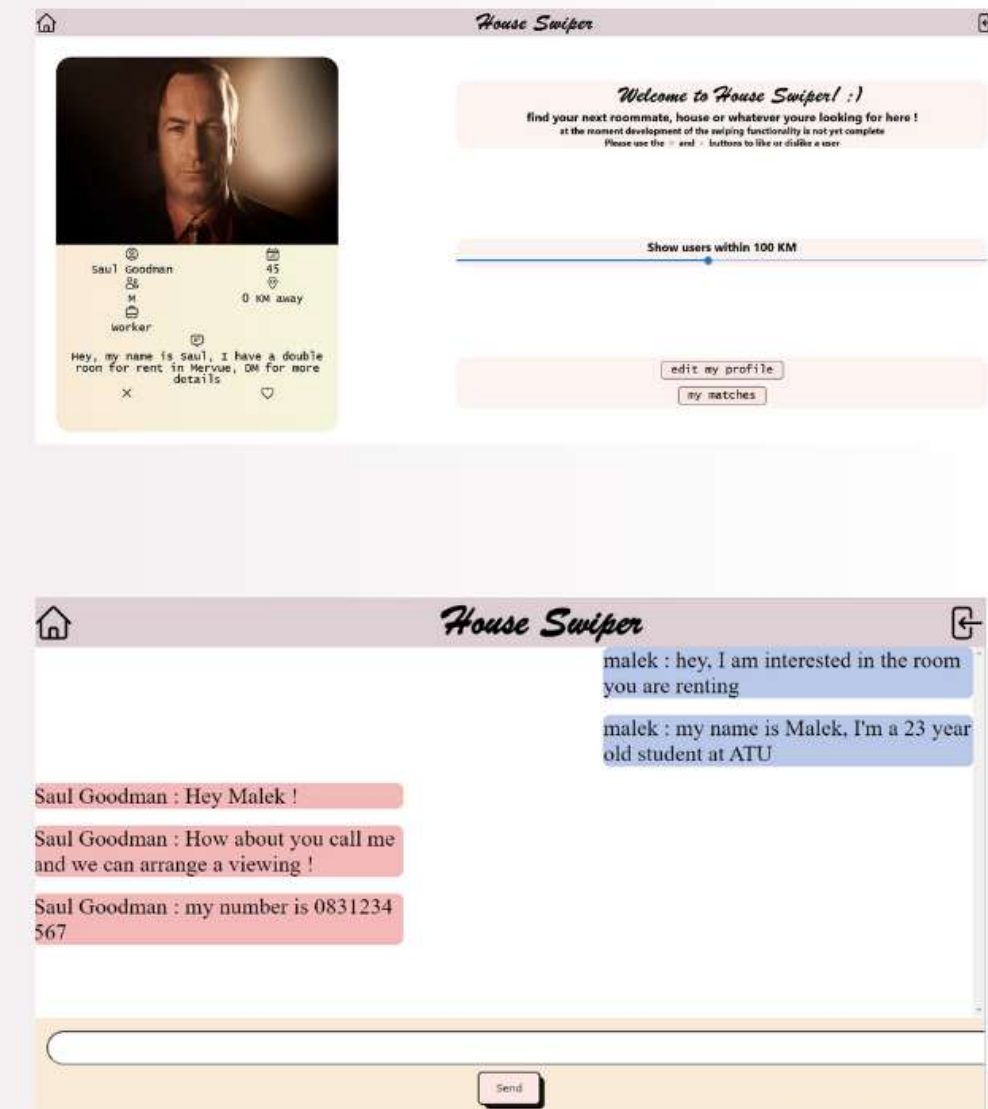
Front end and back end communicate via restful APIs

Server sends queries to database to send/retrieve data

Matching Algorithm

Results

Go to
https://houseswiper.net
and try it out !