

Community Heals - WebApp

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ELECTRICAL & COMPUTER ENGINEERING

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Problem Statement

Develop a web app that will connect parents and caregivers that have children with pediatric cancer.

Background

Because of HIPAA regulations and patient confidentiality issues, the doctors and staff legally could not put parents in touch with parents who are also going through similar ordeals. With this app, parents will be able to sign up and get connected with other parents to give each other hope and strength making supportive connections.

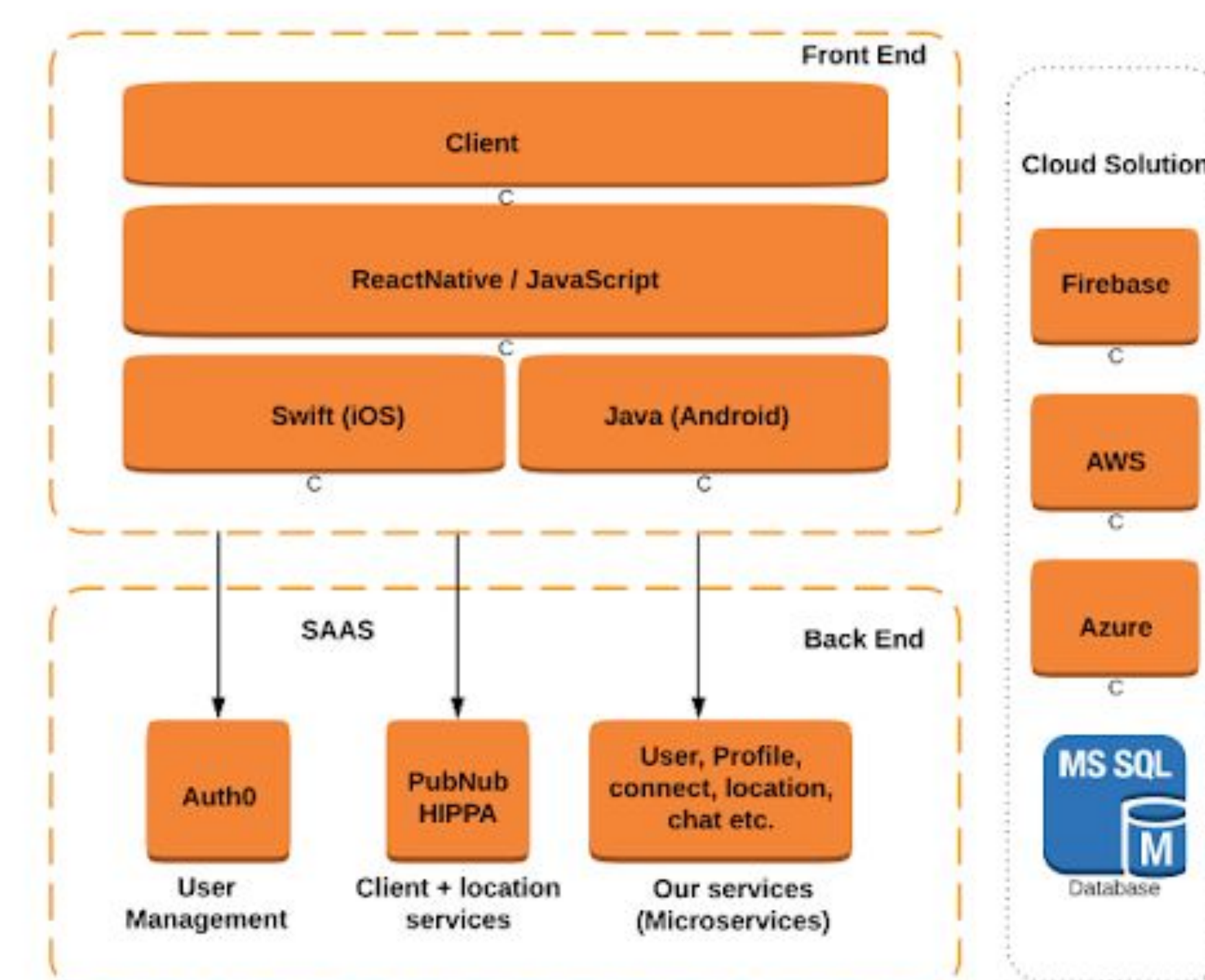
Tools and Libraries Used

- > Spring Boot
- > React Native
- > Auth0
- > Amazon AWS
- > Pubnub
- > MySQL

System Requirements

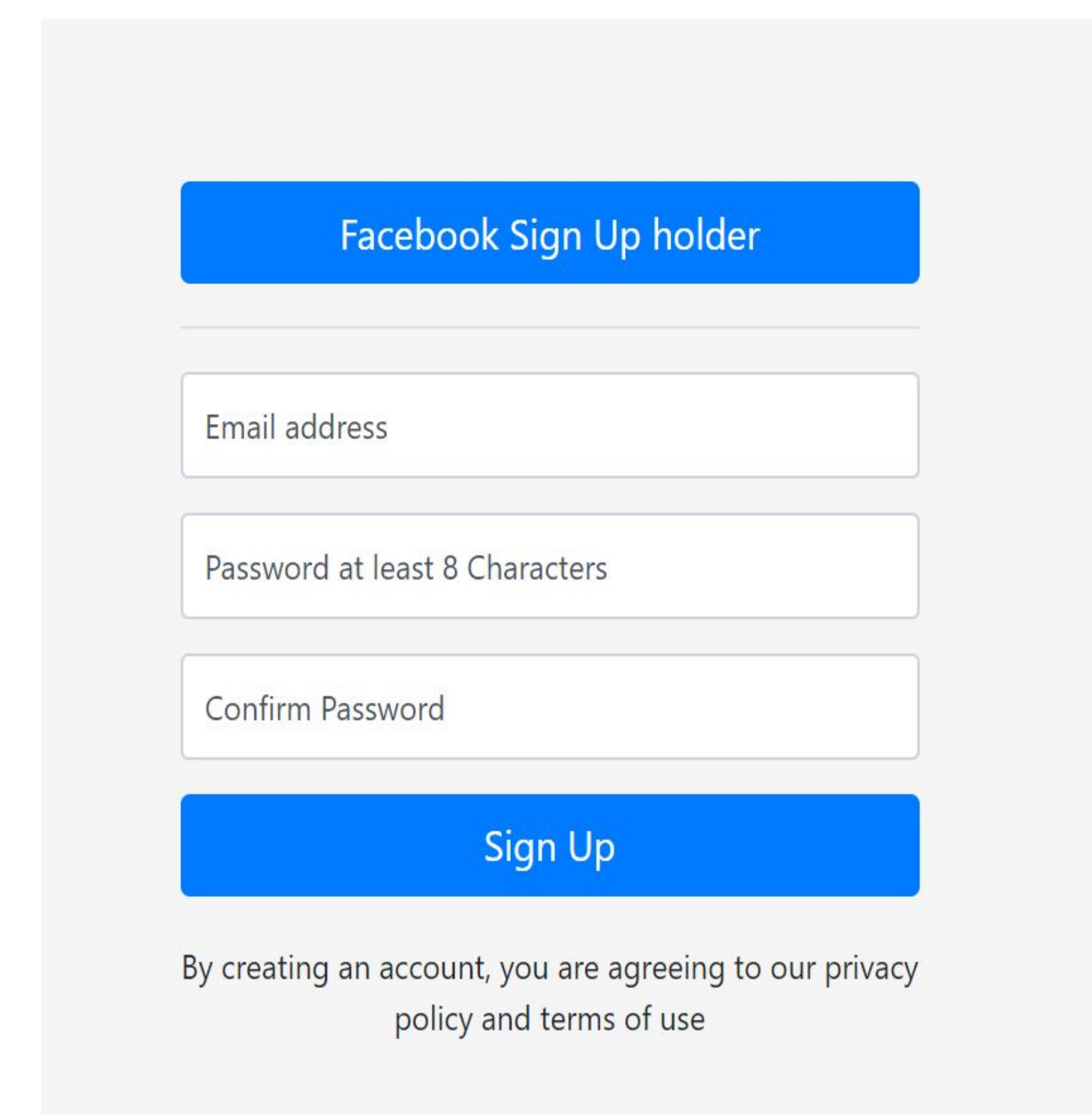
- User profiles stored in database for easy storage and search
- Username and passwords stored in cloud-based server API to ensure security
- Utilize API's to achieve all back-end services. Integrate them with Facebook SDK and database into an interactive and easy to use GUI
- User profile matching algorithm to make connections
- News feed that matches user needs
- Communication between connected users

Technical Approach

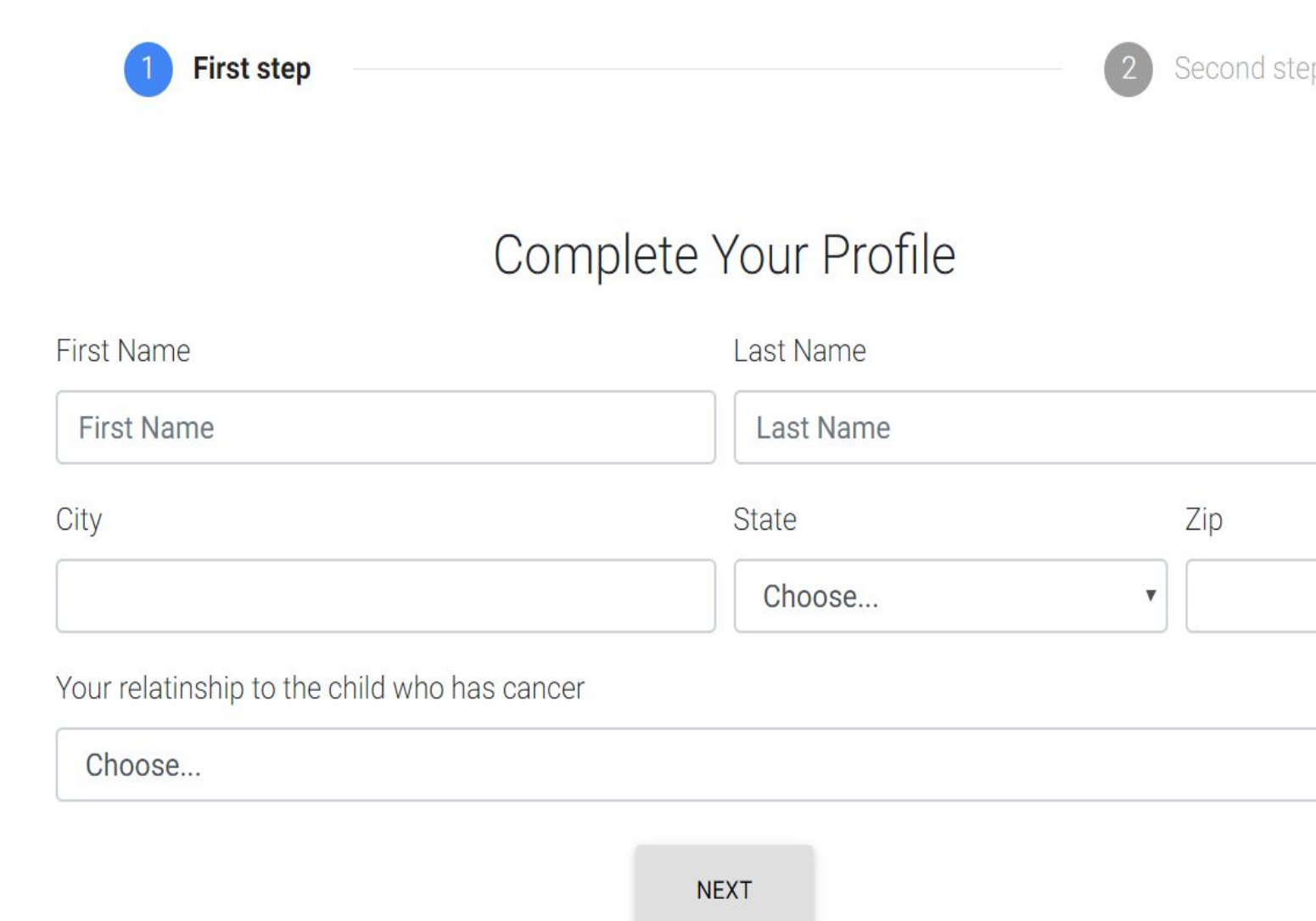


Initial technical approach provided by Sweet Tea Cancer Connections.

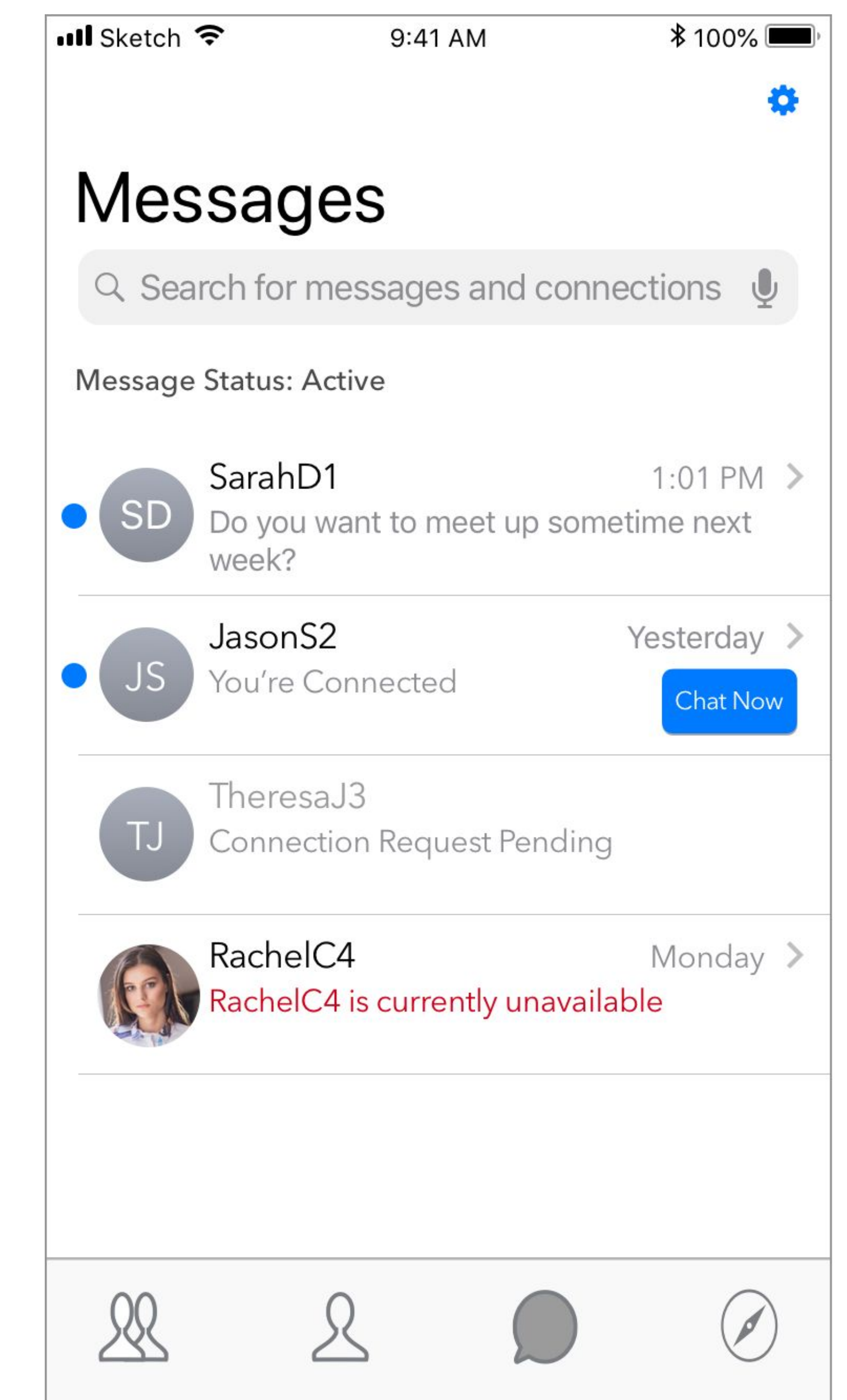
Results



User login page



Sign up page for new users



Messaging with connected users

Future Work

- Continue to brush up on UI components
- Test frontend and backend connections
- Schedule demo and bug back with product owner
- Discuss possible app deployment