



BIST App

Deliverable 3



Introduction

Our Partner

- A Toronto based non-profit supporting those living with effects of acquired brain injury.
- Members include people from all ages and walks of life.
- Their mission is to enhance the quality of life of these individuals by providing them education, awareness, support, and advocacy.



Problems and Solutions

Target users struggle with cognitive, memory and communication disorders.

- Unaware of supports that are available to them.
- Challenges discovering available supports and services.
- Difficulty keeping track of appointments (ex. medical).
- Hard time making transportation plans and keeping track of important information for accessing services

Our product aims to:

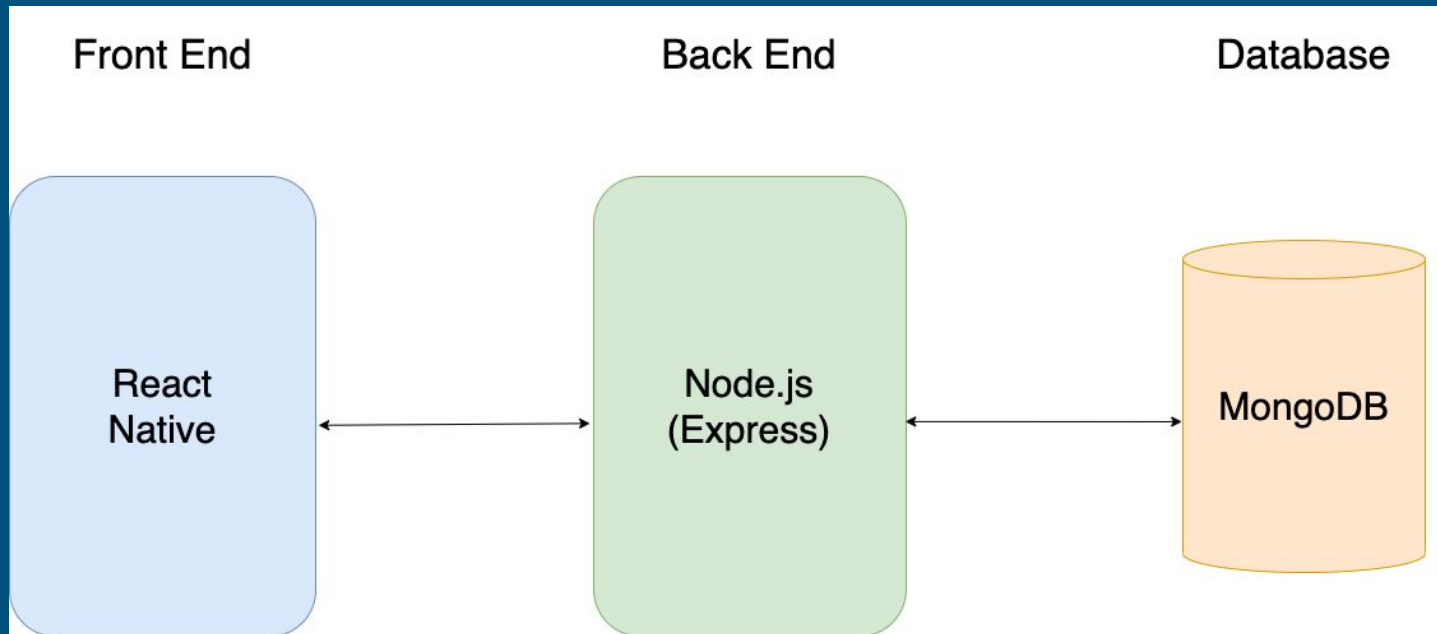
- Simplify process of discovering and registering for events.
- Help users keep track of events they've signed up for.
- Assist users in keeping track of upcoming appointments.
- Create an accessible user interface.
- Help users make transportation plans
- Store important information (ex. Medical details)
- Accessible design (Narrow-deep vs Broad-shallow UI)

Demo

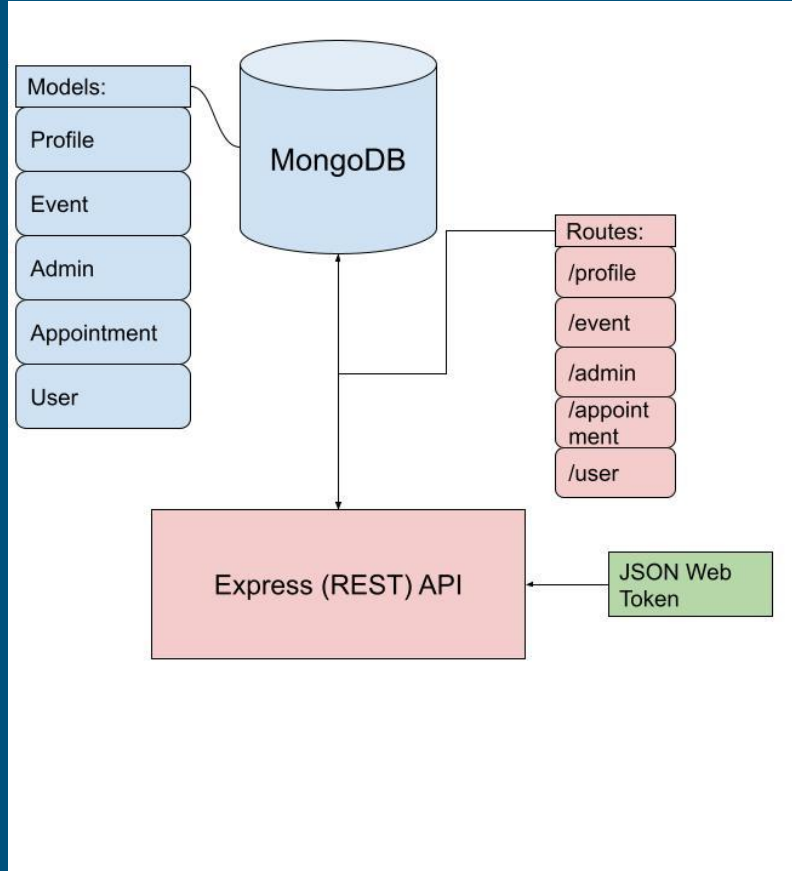


Architecture & Technical Discussion

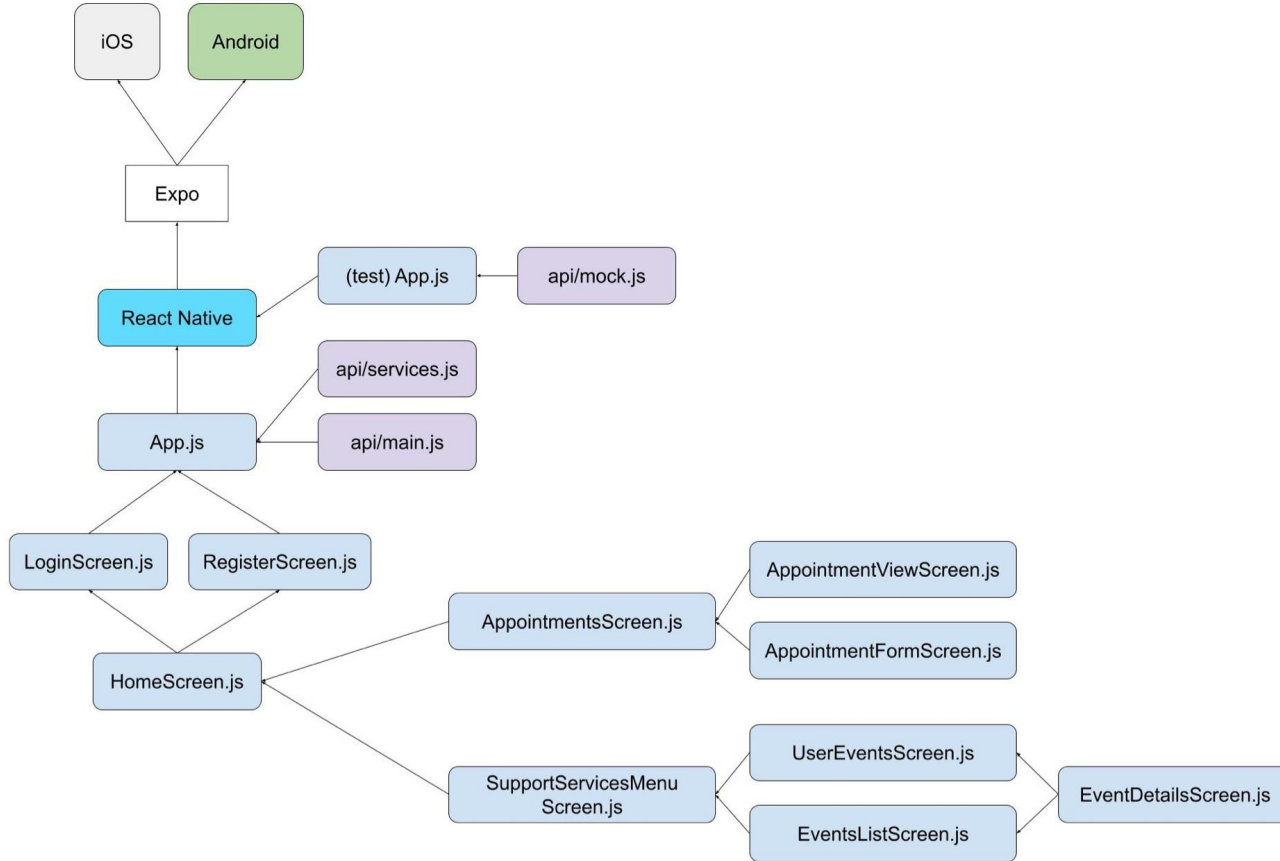
Tech Stack



Backend Architecture



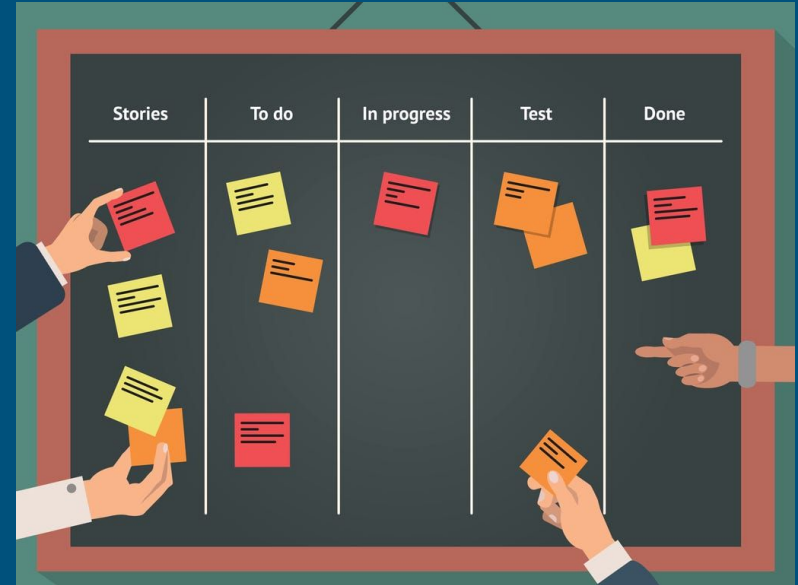
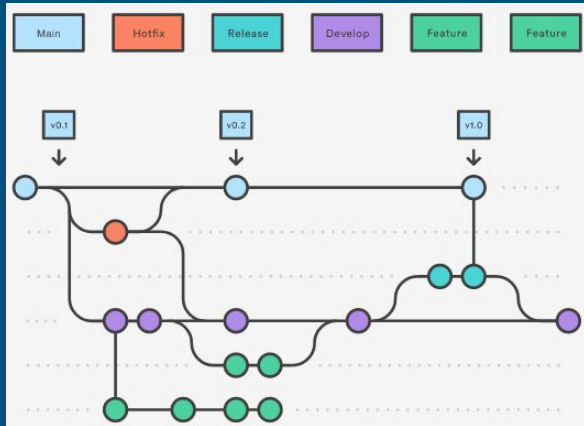
Frontend Architecture



Process and Deployment

Development Process

- Tried Scrum
- Settled on Kanban
- Gitflow
- Pull requests for code review



Automation

GitHub Actions for

- PR checks
- Deployment to development, staging, and production environments



Deployment & Access

Backend:

- Dedicated VPS for each environment
- Automated most of server config with Ansible

Frontend:

- Using Expo Go for deployment currently
- Nothing automated yet
- Still exploring how to get the app accessible to end users

Hand off

- Some documentation, but more needs to be written
- Actively with BIST on the hand off process



Reflection & Key Learnings

- Effectiveness of weekly meetings.
- Working with our partner.
- Task management and assignment.

Individual Contributions

- Andrei - Frontend
- Andrew - Backend and PM
- Dexi - Backend and Database
- Katherine - Frontend
- Kenneth - Frontend
- Spencer - Automation and infrastructure.