

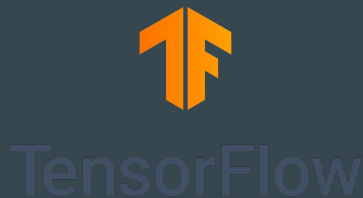
SodaSensAltions



Adam Sinclair, Fardeen Maharooof, Jacob Atkinson, Jakob Herk, Tyler Allen, Tyler Cummings

Architecture and Tech Stack

- JavaSpring server
- SQLite database
- Android Jetpack Compose application
- TensorFlow procedural AI model



Credits

Adam:

Worked on homepage, navigation, custom drink page, basket, order history. Integrated the backend for retrieving ingredients, sending orders to server, order history

Fardeen:

Worked on Sign In, Sign Up, Payment page with stripe and integrate them with the backend. Worked on UI for the homepage, order history, accounts, settings page.

Jacob:

Wrote 'Inventory' endpoint, explored dockerizing the backend, and migrated the database from Postgresql to SQLite

Jakob:

Server setup, authentication framework setup, orders-endpoint

Tyler A:

Helped develop AI model, implemented Generate Drinks page, and AI ingredient recommendations

Tyler C:

Helped develop AI model, implemented "I'm Here" functionality, and integrated front end with back end

Biggest Challenge -

In person meeting time was not used as efficiently as possible, we should have met more often and had a meeting agenda made beforehand

Worst Technical Decision -

The Kotlin Android frontend app was not robust and led to many bugs when connecting it to the backend

Best Technical Decision -

Using the JavaSpring server framework allowed us to setup and modify databases very easily