

Milestone 4

Completed Features:

Frontend

- Login page: This is integrated with the backend
- Data Settings page: The user can view what metrics they have opted into tracking and edit these metrics (not yet integrated with the backend)

Backend

- Login: Verifies user information and validates against created users
- Registration: Stores known users. Verifies against known users
- PostgreSQL and TypeORM for handling entities
 - Users, Preferences, and Sleep Data
- Password encryption via bcryptjs

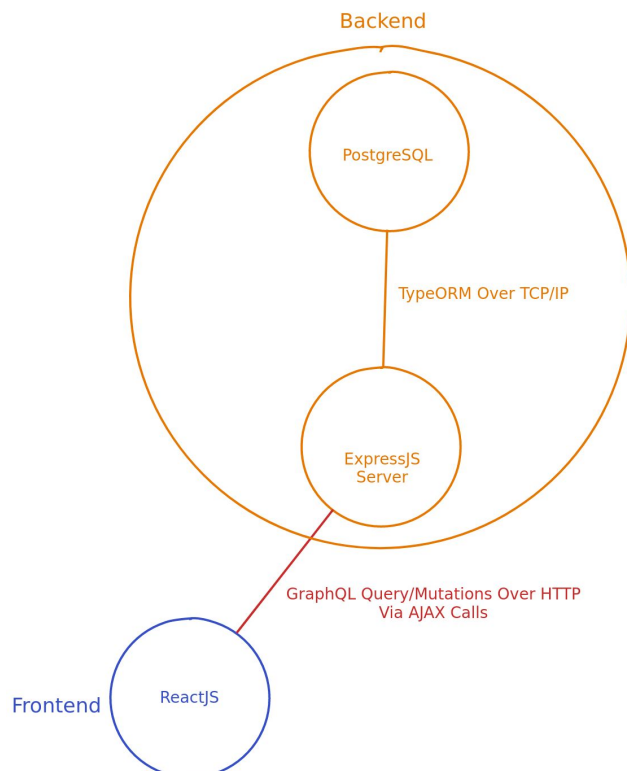
Functioning Features:

All of the above

Features to be added:

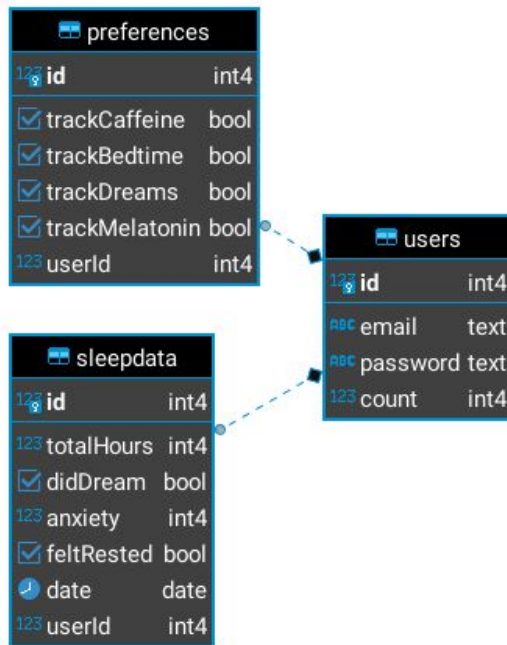
- Create calendar view for sleep data per user
- Add various metrics visualizations
- Generate advice based on sleep data
- Allow for data comparison to other user data

Architecture Diagram:



Frontend Design: [Frontend Mockup on Figma](#)

Database Design:



Individual Contributions:

- RJ:
 - Contributions: Initial PostgreSQL and TypeORM implementation
 - Last commit: [backend: Add support for user preferences](#)
- Hunter:
 - Contributions: Login, register mutations (backend) and password encryption/login tokens
 - Last commit:
<https://github.com/CSCI-3308-CU-Boulder/Glootie/tree/backendFeatureUpdate>
- Kyle:
 - Contributions: Integrating the graphql backend with frontend (apollo graphql) which handles sending authentication tokens, setup the lerna monorepo
 - Last commit:
<https://github.com/CSCI-3308-CU-Boulder/Glootie/commit/af36eee3df4e88fea803ffa2c9270d79d4615095>
- Reiko:
 - Contributions: Data Settings page using React, TypeScript
 - Last commit:
https://github.com/CSCI-3308-CU-Boulder/Glootie/tree/data_settings
- Sarah:
 - Contributions: Login and Register frontend using React, TypeScript

- Last commit:
https://github.com/CSCI-3308-CU-Boulder/Glootie/tree/registraton_pg_2

Challenges:

During development, we ran into an issue where the frontend required a hotfix to get the process of logging in functioning correctly. The team also had to pick up several technologies that were not covered in the course. Simultaneously learning several new tools and languages and utilizing all of them on the same module was quite challenging but will ultimately be rewarding.