Tread Software Engineering Code Challenge

Objective

Build a Pinterest Clone application using React/Redux and one of {Go, Python, NodeJS}.

User Stories

- As an unauthenticated user, I can login with GitHub.
- As an authenticated user, I can link to images.
- As an authenticated user, I can delete images that I've linked to.
- As an authenticated user, I can see a Pinterest-style (infinite scrolling) wall of all the
- images I've linked to.
- As an unauthenticated user, I can browse other users' walls of images.
- As an authenticated user, I can generate shortened urls of images that I've linked to.

Guidelines

- We are not expecting you to spend days on this; so, try not to spend too much time on it.
- Please implement an end to end solution: frontend (React/Redux) + backend (Go, Python or NodeJS) + DB (you can choose).
- Please write your code in ES6+, ES7+ preferred.

Please send us the source code for review, based on results we will consider inviting you to an in-person round of interview at our office.

Food for Thought

When creating this app, think about
- Required APIs and API payload
- Type of data storage and how records will look like
- Resiliency, Scaling, Distribution
- Testing
- **Bonus**: Performance tuning and a shortening url algorithm.