# **Goal Tracker desire specification**

## User experience desires

* Allow users to register and login.
* Allow users to create new goals, specifying its name, the unit they want to measure their progress in, the desired amount of units for completion and, optionally, a desired end date.
* Allow users to track progress of their goals by adding progress entries, a progress entry should contain the number of units completed, the date of completion (Current day by default) and, optionally, notes.
* Allow users to view their progress entries.
* Allow users to access their goals and progress from multiple devices.
* In the future, allow users to view their progress broken down by date.
* In the future, allow users to time their progress and convert it into progress units based on self-chosen conversion ratios.

## Technical desires

* Use JWT for user authentication.
* Use a NoSQL database for data persistence, preferably MongoDB or DynamoDB.
* Keep the front end and the back end decoupled.
* Deploy on AWS.
* Host the backend on an EC2 instance or Lambda.
* Host the frontend on an EC2 instance, S3 or Vercel.
* Initially forgo load balancing.