Trackfuly

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Description

Trackfully is a web application to empower users to proactively monitor their health. Users can track the severity of up to 3 symptoms. The Trackfully dashboard shows users their data to help them discover relevant patterns and predict future occurrences.

Features

- Account management (sign up, log in / out)
- Track up to 3 symptoms (by date, rating and symptom name)
- Dashboard (display user's data using ChartJS)

Planning - User Stories

- As a user, I want to enter more than one symptom so I can track multiple things at once and find any correlations between symptoms.
- As a user, I would like strong password requirements, encryption and validation for my data security.
- As a user, I would like to see a chart with all my data displayed, so I can review my symptoms over the last 30 days.

Planning - Database

- Necessary tables include users, symptoms, and symptom tracker (symptom tracker is the daily rating for each symptom)
- Each user is allowed up to three symptoms. These symptoms are connected to the user.
- Each symptom has multiple symptom tracker entries. Each symptom tracker is connected to a symptom.

Technology Stack

- Languages: Java, Javascript, HTML/CSS
- Angular
- SpringBoot
- Bootstrap
- ChartJS
- MySQL

Demo

What I Learned

- Using ChartJS, with single and multiple data sets
- Connecting frontend and backend using RESTful API
- Better Understanding of:
  - Angular validation and model binding
  - Processing JSON data
  - Setting data in session storage and retrieving data for models
  - Resolving blockers using online resources

What's Next

- For Trackfully:
  - Adding a new type of data called "correlational factors" that users can add to see if environmental or diet factors affected their symptoms
  - Adding more data collection to each symptom, such as notes
  - Adding text reminders to fill out daily symptoms
- Other:
  - Learning to use React for front end development