

Glucose Monitor

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Description

Web application to help monitor glucose levels and pertinent information by preserving information in database that user can check, as well as visualize through a graphical representation.



Features

- Highchart API integration for graph
- Export data logs via PDF
- Notify user if certain metrics are too low or too high



Planning - User Stories

Users can fill out and edit forms, visualize filled information via a graph, and export a summary of information provided..



Planning - Database

The database includes:

- A table for information provided to the form
- A table for users



Technology Stack

- Java
- Spring Boot
- Thymeleaf
- MySQL
- HighCharts



Demo



What I Learned

- How to integrate Highcharts API
- Use case for which type of database relationship to use
- Spring Security to add User Profile



What's Next

- Refactor code to use Spring REST
- Transition from MVC to Spring React
- Structure program to implement microservices approach

