

Toby, the Schedule App

Nicholas Endejan
@nendejan on GitHub

Description

Toby is a schedule creation and editing application meant to make the task of managing small business employee scheduling easier. It allows to view, edit, and share schedules for a workplace they've set up in the application.



Features

- Has a user sign-in that separates each user's data based on credentials
- Allows for creation and editing of employees, their roles, shifts, schedules.
- Allows admin users to view statics of any given schedule.



Planning - User Stories

As an admin, you can completely set up any number of seven day schedules with the list of employees, shifts and roles that you enter into the application.

As a non-admin user you are able to view schedules for your workplace that you are part of.



Planning - Database

The database for Toby was quite interesting to make in that all of the applications classes with the exception of one relate to each other in some way to accomplish the functionality. In order to make this possible every class has a table cross referencing the other to make that possible, for example, employees have shifts and schedules, schedules have shifts and employees, and shifts have schedules and employees. Creating these relationships in a manageable way was a one of the largest tasks involved in making Toby.



Technology Stack

- Java, HTML, CSS
- Spring Boot, Bootstrap
- Thymeleaf
- MySQL



Demo



What I Learned

- The biggest thing I personally got out making this app is a fleshed out understanding of how Spring's annotations can be leveraged to create a robust, ORM-based DB and application.
- I also dipped into Spring Security and while it isn't implemented in Toby, my next app will definitely use this framework's features



What's Next

- My next goal is to start learning javascript and then introduce the remaining features including, some form of internal messaging system and to create a more useful data viewing page for employers.

