Bench Management Tool

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# Overview

There are times when many DWS consultants find themselves in between projects. It would be helpful to have a desktop application that keeps track of all data related to employees who have been on the ‘bench’. Useful information can be viewed in the application, with the possibility of reports being generated as an added feature.

Java will be the technology used to develop this application. This was chosen as many of DWS’s clients also use Java. By using the same programming language, it will allow DWS to increase their capability in this area. The JavaFX platform will be used as the user interface component.

# Requirements

## Home

* The home screen will list employees on the bench for any given date (defaults to current date)
* The home screen will have the ability to add/edit/remove records (with employee name and bench activity) for any given date (defaults to current date)
* Bench activity will be linked to tasks, but users still have the freedom to enter anything in the textbox, even if a relevant task does not exist

## Employees

* The employees section will have the ability to add/edit/delete employees
* The employees section will have the ability to view details of employees during the times when they were on the bench

## Tasks

* The task section will have the ability to add/edit/delete tasks

# Models

## Employees

* Employee ID
* First name
* Last name
* Email address
* Has left company

## Office Tasks

* Office Task ID
* Office task description
* Spendings ID
* Notes

## Spending

* Spending ID
* Office Task ID
* Reminders ID
* Date
* Amount

## Reminders

* Reminder ID
* Office Task ID
* Enabled
* Reminder date time
* Is daily

## Bench Records

* Bench record ID
* Employee ID
* Daily summary
* Date

# Technologies

## Programming Language

* Java

## Framework

* JavaFX

## IDE

* IntelliJ IDEA

## Storage

* H2 Database Engine

# Potential Capabilities

* An extra section for generating various reports
* The abilities to add different categories (e.g. training, proposals, meetings) for tasks

# Limitations

* JavaFX is a relatively new technology. Certain UI controls may not be available.

# Risks

* Lack of resources to develop this project