Lift Off Grime

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Description

- A local cleaning business was having difficulty calculating the cost of different cleaning jobs based on a number of criteria, e.g. size, services desired, etc., unique to the property to be cleaned.
- Lift Off Grime is a web application that solves the business owner's problem by allowing customers to get an instant quote for the cleaning service to clean their commercial or investment property.

Features

- Users can manage their properties and quotes after logging in.
- Users can get a real-time quote for the cost of a cleaning job based on which services they would like performed and attributes about the property. If they wish, they can schedule this quote to be a cleaning job.
- The business owner can view all cleaning jobs to plan their work schedules.

Planning - User Stories

- Users can log in to their account.
- Users can add, view, edit, and delete their properties in their account.
- Users can add, view, edit, and delete quotes associated with each property.
- Users can schedule a quote as a requested cleaning job.
- Business Owner can view a list of jobs to be completed.

Planning - Database

Model classes / tables

- User
- Role
- Property
- Property_type
- Quote
- Quote_details
- Services
- Job

Technology Stack

- Java with Spring and Hibernate built with Maven
- Angular
- Bootstrap and Material UI
- AWS-hosted MySQL database

Demo

What I Learned

- Building with Maven, JSON Web Tokens, Material UI
- How to implement two-way binding and manipulate data inputted through forms
- How to pass data between a front-end and a back-end
- How to relate entities using Hibernate and JPA annotations
- How to write asynchronous code when dealing with requests over a network

What's Next

- Implement invoice system for manager to bill customers
- Implement sort-by-distance for manager dashboard
- Implement recurring jobs for customers
- Improve the UI with more custom styling
- Set up notification reminder system for users with scheduled jobs using twilio