

# NumNums

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# Description

NumNums is a restaurant locator for people interested in gluten-free, lactose-free, vegan, and vegetarian dining. Users can enter their zip code, a search radius in miles, and specific diet interests to search a database for matches. In addition, users can register and login as an administrator to add and edit entries to the database.



# Features

- Home page with verified zip code, dining options, and search radius input.
- Administrator registration, login/logout using Spring Security.
- Logged in users view a list of restaurants they have entered with edit/delete capability and links to websites.
- A Google map api and a Google geocoding api are utilized to show restaurants on a map embedded on the display page.



# Planning - User Stories

Users can enter a zip code, check dining preferences, and select a distance for search radius.

Administrators can register and log in/ log out. They can also add, edit, delete, and view restaurants that they have entered into the database.



# Planning - Database

The database contains a table for users associate many restaurants with.

There is a table for restaurants entities to hold id, name, address, and lat/long coordinates.

Their is a table for roles, to allow Spring Security function.



# Technology Stack

- Java
- Spring Framework
- Thymeleaf templates
- MySQL database
- JavaScript, JSON, HTML, CSS, Bootstrap



# Demo



# What I Learned

- Spring Security to configure registration, login/logout and regex to validate zip codes and web addresses.
- Google maps and geocoding APIs necessitated using JavaScript JSON.
- Passing Java objects into JavaScript with Thymeleaf variables was an interesting and new challenge.





# What's Next

- Adding comments and ratings.
- Improve UI with Bootstrap and custom CSS.
- Include Google places api to make locations on map display info windows and links to websites.

