TriviaFinder

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Description

TriviaFinder is a web-base application that enables users to find local hotspots for trivia contests. Users and hosts alike can sign up and browse listings for various venues in a sortable database. Each host also has their own profile page with all sorts of information as well as user reviews and ranknings.

Features

- Descriptive homepage that greets users and hosts
- Registration for both users and hosts
- A sortable database of all registered hosts
- Profile pages for each host
- Users can leave reviews and rankings for each host on their profile page

Planning - User Stories

- ***As a user, I want to be able to register and have my own account***
  - As well as basic information, TriviaFinder will register the user's zipcode which will allow the user to filter the listing of hosts based on distance from the user. Users will also be able to track any reviews they have given for hosts and also keep track of their favorite hosts.
- ***As a host, I want to be able to be able to register myself so people can find me.***
  - TriviaFinder will take in all the information necessary for a user to be well informed of and navigate to the host venu.
- ***As a user, I want to have access to a listing of all hosts that I can sort at my discretion to find the best venue for me.***
  - The host table can be sorted by various criteria like distance, ranking, name, or whether food is available.
  - Each host name will also be a link that will enable the user to view the host's profile.

Planning - Database

- **A table of all users.**
  - *This handles basic information. This has a OnetoMany relationship with the child table.*
  - **Each user has a table of reviews that they have given.**
    - *This relates to the parent table in a ManytoOne relationship.*
- **A table of all hosts.**
  - *This handles basic information. This has a OnetoMany relationship with the child tables.*
  - **Each host has a table for reviews it has been given.**
    - *This relates to the parent table in a ManytoOne relationship.*

Technology Stack

- Java
- Spring
- Tymeleaf
- MySQL
- Bootstrap
- Google API

Demo

What I Learned

- Further expanded my understanding of:
  - Spring
  - Thymeleaf
  - MySQL
    - Learned how to set up relationships between tables.
  - User models and registration pages
    - Encountered many issues surrounding how much data should be stored in an individual model and how multiple models and database tables would relate to their parent model and table.
- Learned for the first time:
  - Google Maps and API
    - This is intended primarily to calculate the distance from the user (base on their zip code) to the various hosts (based on their address).
    - Eventual integration of Google Maps on each host profile page is planned.

What's Next

- Creation of the user table and associated child tables
- Adding ranking and user reviews models/tables to the existing host model/table design
- Integration of Google Maps and API
  - Necessary for calculation of distance between user and host
  - Adding Google Maps to host profiles would be a very nice visual aid and enhance the user experience when browsing individual hosts
- Adding a user login functionality
- Dress up the overall CSS of the entire web app