Camp Quest

Sydney
Meena
Christine
Rincy
Saranya

Description

"Camp Quest" is a web application designed to simplify the process of finding and exploring camps in St. Louis.

Why Camp Quest?

Features

- Create/View/Update/Delete Camps (Admin)
- Database search by camp name,filter by camp category & grade groups and sort by price.
- Add/View/Remove Favorites (User)
- Login/Logout
- Forgot Password
- New User Registration

Planning - User Stories

Users can easily search and filter local camps

Registered users can mark their favorite camps to assist their decision making

Admins have the ability to create, edit, view, and delete camps

User registration and user login pages leveraging Spring Security and JWT tokens to create stateless authorization and authentication sessions

Planning - Database

To support the user stories, the necessary tables are User, Camp, Role, and Favorites. User and Camp have a many-to-many relationship with Favorites acting as a junction table. User and Role also have a many-to-many relationship. This design allows users to have roles, favorite camps, and establish connections between users and camps.

Technology Stack

- Angular, TypeScript, JS
- Java, Spring boot
- BootStrap
- MySQL
- SendGrid, JWT, BCrypt, AWS RDS

Demo

What We Learned

- New technique: JWT Authentication, using localstorage to save authentication tokens ,roles,account name.
- Create and consume REST API
- Create AWS RDS
- Connect Front End and Back End using CORS Configuration

What's Next

- Add Google Maps Integration for camp location
- Include camps across various cities, not limiting to St. Louis
- Extend camps for adults
- Go LIVE!