# Rally

#### STL Neighborhood Networking Application

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## What is Rally?

- Website tailored to neighborhoods with the STL metropolitan area
- Designed to fulfill the need for increased community connection
- Provides information, resources, services, opportunities, and connections with residents
- Includes:
  - community forum for messaging
  - events page to offer project ideas and to solicit volunteers;
  - restaurant listings in the community with reviews
  - services page listing offers or requests for freelance work or needed items
  - resources page that includes a table of important local information

## Technologies Used

#### Front End

- Javascript / Typescript
- Angular, live and deployed at https://home-5013300400.app-ionos.space/
- Bootstrap

#### Back End

- Java
- Spring Boot with Spring Security, acting as a RESTFUL API between the front-end and backend, handling all requests.
- Hibernate
- MySQL, live connected to AWS as the backend

### Home

- Create Impression that captures what Rally represents
  - o Logo
    - Simple, understandable, expresses a CTA
  - Colors visual impression
    - Green: freshness, vitality
    - Orange: bright, positive
    - o Blue: peace, trust
  - Language sense of community
    - We, us, our part of something

## My Profile

- Create an online persona on the Rally application to engage with the Rally community.
- Login to an existing account or Register as a new user.
- Registration process:
  - Create a user name
  - Enter a valid email address
  - Create a password
  - Enter user information to display on profile
  - Validate the account via confirmation email
  - Login!

- Profile Picture/ Search/ Direct Message
  - Add Profile Picture
  - Make some friends
  - Search users by Name or by characters
  - Message to someone
  - Update your Information

- Post History
  - We need to make some posts to see this section in action. Let's see this in action with an established account.
- Send a Direct View Services, Events, and Forum Posts.
  - Hide Posts from your history, or show them again when you're ready.
    - Let's explore the rest of what Rally has to offer!

- User Security
  - Users are issued an access token using **JWTs**
  - Passwords are encrypted using Bcrypt
  - Using a real email helps to mitigate fake accounts being created.

### **Events**

- Event List
  - filter by category/date
- Event Page
  - updates # attending, comments
  - Google map
- Create Event
  - stock photo
  - accessible from user profile
  - Creator view UPDATE button on Event page
    - populates form
    - edit or delete

- Join Event
  - o comments, # attending updated
  - o accessible from user profile
  - Joined view UPDATE RSVP on Event page
    - populates form
    - o edit or delete
- Future
  - photos, map, responsive design

## Services

- Home page to Add Service or Search Services
- Add Service Form
  - Services Repository
  - Tagging for Categories and Service Type (by offering or requesting)
  - Redirecting to a new form after submission
  - Search Services Table
    - Displaying all services
    - Two-way sorting, filtering by Service Name and Service Type
    - Links on each item to the full description
  - Service Item View
    - Full details of the item to include description and contact information
    - Option to message the poster to get more information or book the service
    - If the original poster, button intended to remove the item if desired but not part of MVP

### Resources

- User Actions:
  - Create: new resource
  - **Read:** existing resources
  - **Update:** edit resource details
  - Delete: remove a resource
  - Resource Details:
    - Name, Address, Category, City, State, Zip, Website, Email Address, Telephone Number
  - Resource Categories:
    - Athletics, Arts, Business, Civic, Education, Entertainment, Fitness, Hospitality, Medical,
       Park, Religious, and Retail
  - Challenges
    - Spent a lot of time troubleshooting 400 errors related to different nomenclature in post and get requests from front to back-end

### Restaurants

- Home page -view restaurants by restaurant type, perform search, view all restaurants or add a restaurant to the website
  - search- displays given restaurant/s according to users search
  - view all- redirects user to view a list of all restaurants
  - add restaurant-form submission that add a restaurant to the database and redirects user to view all restaurants in the same category upon submission
- Clickable "review" link on all restaurant redirects users to a review component, within which they can leave a review for the given restaurant
- Challenges- linking front and back end via get/post requests in typescript files.

## Community Forum

- Forum home page
  - Five Different Topics to Choose From, Each Linked to a that Forum Topics specific route.
- Forum Topic Pages
  - List of posts, sorted by newest to last displayed
  - Like buttons, with the ability for a User to "like" a post he enjoys or agrees with. A user cannot like the same
    post twice, clicking again will undo like.
  - Ability to click on the name of the users that posted, linking to their user profiles.
  - Ability to click on each Post title and take it directly to their individual view pages
  - Authentication Ensures that only logged in users can create or like posts. Logged out users can only view
- Forum search page
  - All pages come equipped with a search bar on the right-hand side, the search will catch any username, post title, or post description.
  - O Displays list of posts that come in the search, with the ability to click on the name of the users that posted each one, linking to their profiles.
- ❖ View Individual Post Page
  - CRUD Ability to create, update, or delete both your individual posts or replies.
  - Authentication Ensures that only the person who posted both the post or reply have the ability to edit or delete them.
- Miscellaneous
  - Light-dark theme, ability for a user to switch between a light and dark theme, their preference being saved in local storage.

## Questions?