Volunteer Organizer

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Description

- Problem: Relevant volunteer opportunities are not easily visible by potential volunteers

- Solution: Centralize volunteer opportunities from various organizations, allowing for easy search and volunteer sign-up

Features

- User Authentication/Authorization (2 User Types)
- All Users:
    - Login/Logout; View Account Details; Create/Delete Account
    - Search and List Volunteer Opportunities
    - View Opportunity Details (Includes Number of Volunteer Slots Remaining)
- Organization Users:
    - Create New Volunteer Opportunities
    - Edit/Delete Created Volunteer Opportunities
- Volunteer Users:
    - Register/Unregister for Volunteer Opportunities
    - View List of All Registered Opportunities

Planning - User Stories

- As a new user, I want a "create account" form on the index page so I can easily become a site user as an Organization or Volunteer
- As an organization user, I want to create opportunities so that volunteer users can view and sign-up for them
- As a volunteer or organization user, I want to search by multiple criteria on the homepage to easily see what opportunities of that type are available
- As a volunteer user, I want a sign-up button for opportunities with slots available so I can easily register for the opportunity
- As an organization user, I want a "manage opportunity" page so I can edit/delete opportunities I've created

Planning - Database

MySQL Workbench Tables:

- User
- Opportunity
- Opportunity_Volunteers

Technology Stack

- Java
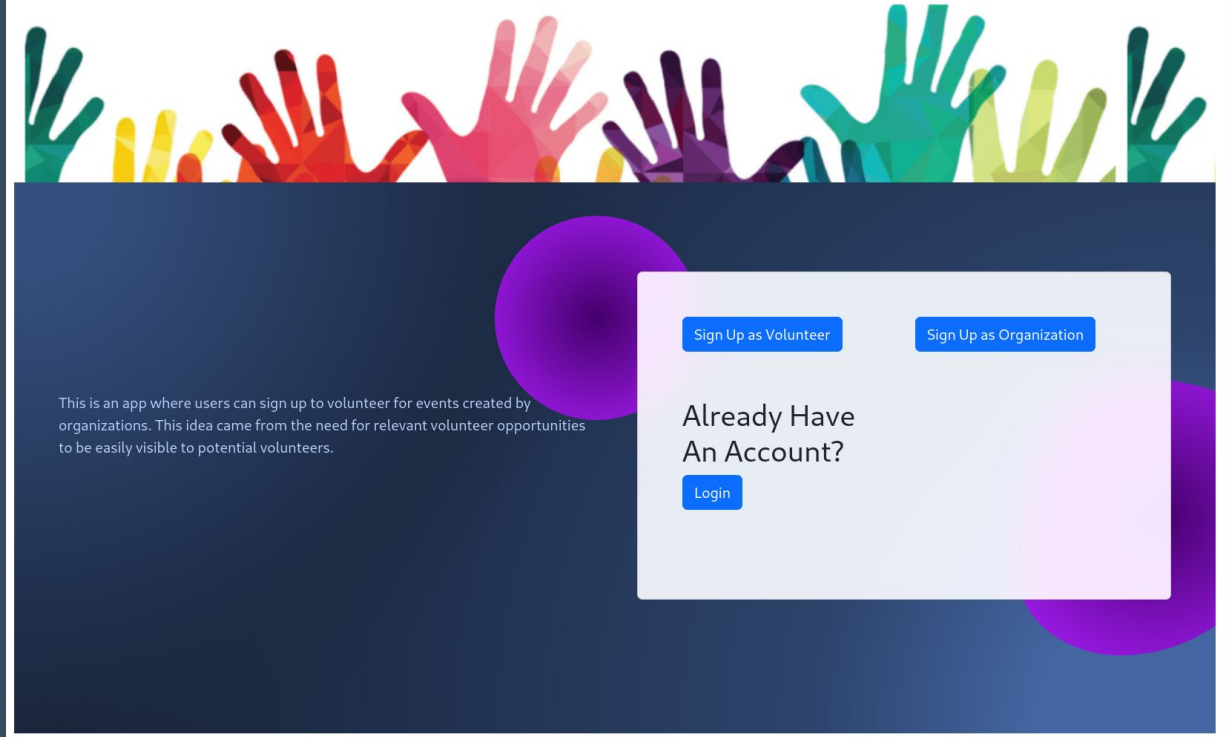- Spring Boot
- Thymeleaf, Hibernate
- MySQL
- Bootstrap

Demo

New User

Index Page

- First page where users can login or sign-up
- Users can sign up as Volunteer or Organization

Volunteer Organizer

Sign Up as Volunteer   Sign Up as Organization

This is an app where users can sign up to volunteer for events created by organizations. This idea came from the need for relevant volunteer opportunities to be easily visible to potential volunteers.

Already Have An Account?

Login

New User Sign-Up (Organization)

- Page where new organization can sign up
- Organization users designate Organization Name field

New User Sign-Up (Volunteer)

- Page where new volunteers can sign up
- Volunteer Users do not have "Organization Name" field

Volunteer Organizer

New Volunteer User

Username

Password

Verify Password

Sign Up

Already Have An Account?

Login

Organization User

Home Page (Organization)

- First page after logging in
- Nav bar includes "Create Volunteer Opportunity" and "Manage Opportunities"
- Can search for opportunities

Home   **Opportunity List**   **Create Volunteer Opportunity**   **Manage Opportunities**   **Account**   **Logout**

Search for Volunteer Opportunity

Filter by any number of fields:
To see all opportunities, leave all fields blank.

☐ Only opportunities with volunteer slots available

Enter Organization Name, Keyword or Location

Category: Select Category ⌄

Start date: mm / dd / yyyy   **End date:** mm / dd / yyyy

Search

Create Volunteer Opportunity

- Can create new volunteer opportunity
- All fields required
- Only organization users can access

Manage Volunteer Opportunity

- Displays all opportunities created by user
- Only opportunity creator can edit/delete

Manage Volunteer Opportunities

Organization Name: YMCA

Start Date: 2022-09-27

End Date: 2022-10-11

Description: Life Guard

Category: medical

Hours: 2

Age: adult

Total Number of Volunteers Needed: 2

Volunteer Slots Remaining: 0

Edit   Delete

Organization Name: YMCA

Start Date: 2022-10-04

End Date: 2022-10-18

Description: Front Desk Assistance

Category: community

Hours: 2

Age: student

Total Number of Volunteers Needed: 3

Volunteer Slots Remaining: 3

Edit   Delete

Edit Volunteer Opportunity

- Form auto-fills opportunity fields
- Only opportunity creator can access

Volunteer User

Home Page (Volunteer)

- First page after logging in
- Nav bar includes "View Registered Opportunities"
- Can search for opportunities

| Home | Opportunity List | View Registered Opportunities | Account | Logout |

Search for Volunteer Opportunity

Filter by any number of fields:
To see all opportunities, leave all fields blank.

☐ Only opportunities with volunteer slots available

| Enter Organization Name, Keyword or Location |

Category: Select Category ▼

Start date: mm / dd / yyyy **End date:** mm / dd / yyyy

Search

View Registered Opportunities

- Displays all opportunities registered for by user
- Can easily unregister here

Number of opportunities currently registered for: 2

Organization Name: YMCA

Start Date: 2022-09-27

End Date: 2022-10-11

Description: Life Guard

Category: medical

Hours: 2

Age: adult

Total Number of Volunteers Needed: 2

Volunteer Slots Remaining: 0

Unregister

Organization Name: LaunchCode

Start Date: 2022-10-24

End Date: 2022-12-19

Description: JavaScript Tutor

Category: community

Hours: 4

Age: adult

Total Number of Volunteers Needed: 5

Volunteer Slots Remaining: 4

Unregister

All Users

Search

- Search available on home page
- All search fields optional

Search for Volunteer Opportunity

Filter by any number of fields:
To see all opportunities, leave all fields blank.

☐ Only opportunities with volunteer slots available

Enter Organization Name, Keyword or Location

Category: Select Category

Start date: mm / dd / yyyy   End date: mm / dd / yyyy

Search

There are 7 matching volunteer opportunities

Click on link for further detail and to sign up!

St. Louis Food Bank
2023-10-09 Backpack Program Assiatnce (Evenings)

Saint Louis BWorks
2022-10-03 Learn-To-Ride Instructor
2022-10-03 Earn-A-Bike Instructor

YMCA
2022-09-27 Life Guard
2022-10-04 Front Desk Assistance

LaunchCode
2022-10-24 Java Tutor
2022-10-24 JavaScript Tutor

Opportunity Details

- Volunteer Users can register/unregister
- "Sign-Up" button visible only if slots available

Home   **Opportunity List**   **View Registered Opportunities**   **Account**   **Logout**

YMCA Front Desk Assistance

Organization Name: YMCA

Start Date: 2022-10-04

End Date: 2022-10-18

Description: Front Desk Assistance

Category: community

Hours: 2
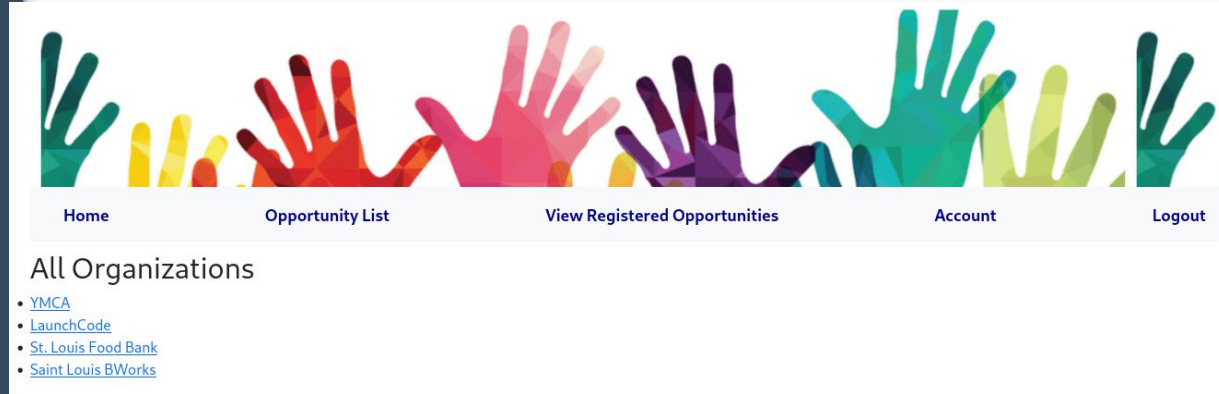
Age: student

Total Number of Volunteers Needed: 3

Volunteer Slots Remaining: 2

Sign Up to Volunteer

Opportunity List

- Lists all organizations with volunteer opportunities

| Home | Opportunity List | View Registered Opportunities | Account | Logout |

All Organizations

- YMCA
- LaunchCode
- St. Louis Food Bank
- Saint Louis BWorks

Opportunity List Cont.

- List all the opportunities associated with a particular organization

Opportunities for: YMCA

Organization Name: YMCA

Start Date: 2022-09-27

End Date: 2022-10-11

Description: Life Guard

Category: medical

Hours: 2

Age: adult

Total Number of Volunteers Needed: 2

Volunteer Slots Remaining: 0

Organization Name: YMCA

Start Date: 2022-10-04

End Date: 2022-10-18

Description: Front Desk Assistance

Category: community

Hours: 2

Age: student

Total Number of Volunteers Needed: 3

Volunteer Slots Remaining: 2

Sign Up to Volunteer

Account Details

- Users can delete account
- Organization users have Organization Name listed

Account Details

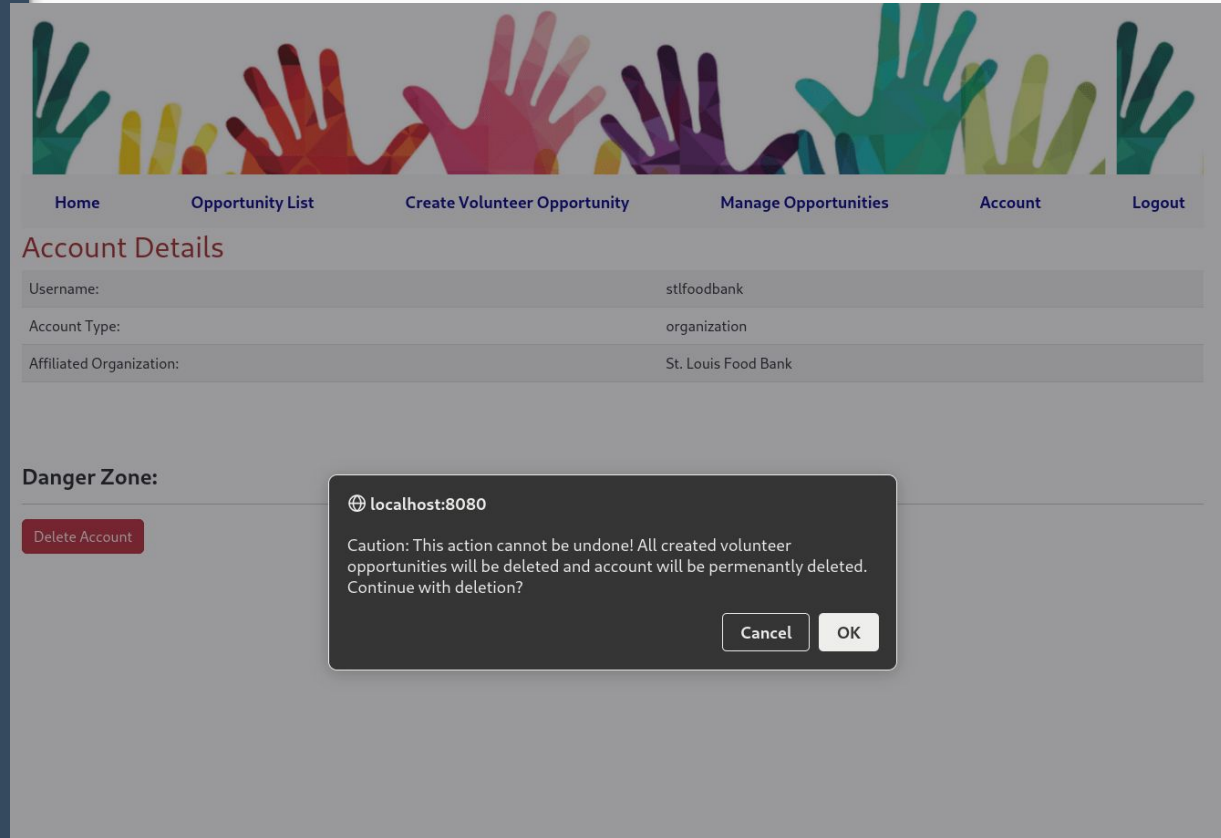|	
Username:	stlfoodbank
Account Type:	organization
Affiliated Organization:	St. Louis Food Bank

Danger Zone:

Delete Account

Delete Account

- Warning Dialogue box
- Permanently deletes
- Organizations: All created opportunities deleted
- Volunteers: All registered opportunities unregistered

What We Learned

- Better understanding of Spring MVC, Thymeleaf, Java Persistence
- Bootstrap styling, UI design
- Authorization/Authentication - creating users
- Asynchronous communication, remote collaboration
- git/GitHub: Teamwork on branches
  - Pull Requests, Merge Conflicts, Rebasing, etc.

What's Next

- Notifications when opportunities update
- Profiles for volunteers
- Inactivate accounts instead of delete
- Improve the UI

Questions?