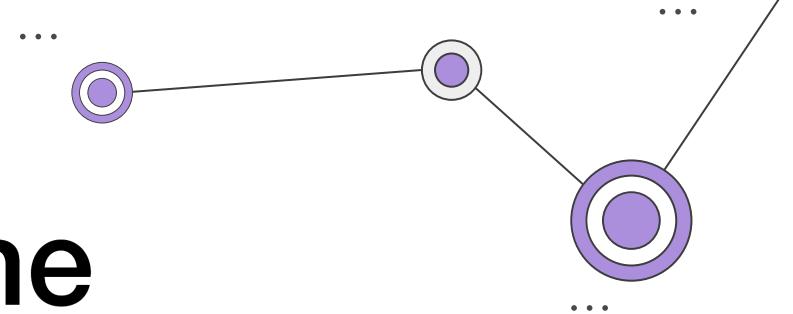
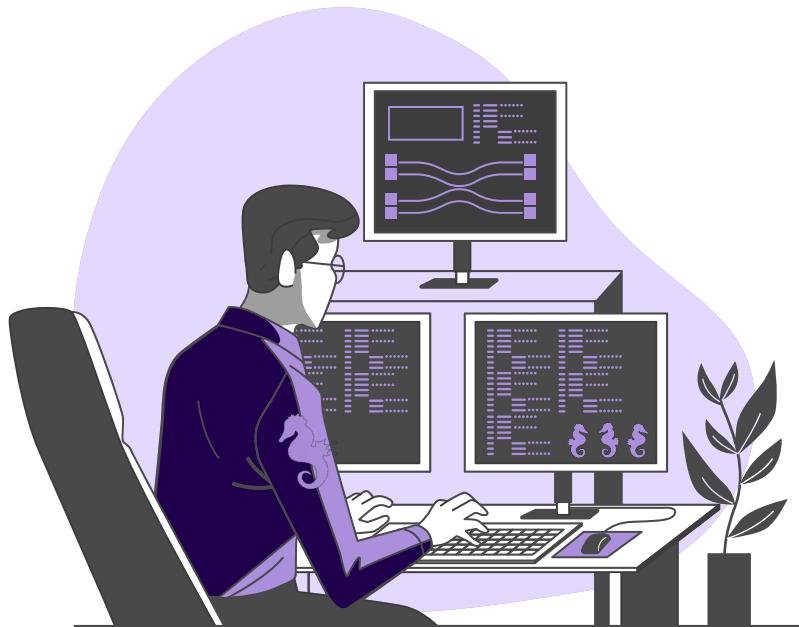




VolunteerOne



Genaro Lopez Baez

Dillon Harder

Michael Lazeroff

Carmen Lee

Cera Samson

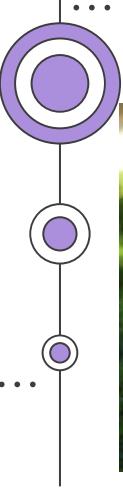
Cicelia Siu

Edward Sung

Mathis Tessier

Matthew Yapjoco

David Zeleniak



The Team



Carmen
Lee



Cera
Samson



Matthew
Yapjoco



Mathis
Tessier



Genaro
Lopez Baez



Michael
Lazeroff



Edward
Sung



Cicelia
Siu



Dillon
Harder



David
Zeleniak...

Table of Contents



Background



Requirements



Design



Prototype



Table of Contents



User Study



Contributions

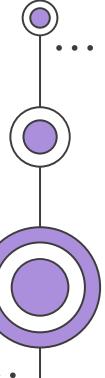


Conclusion



01

Background



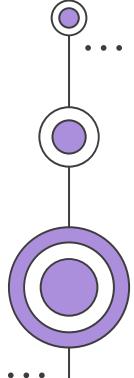


VolunteerOne

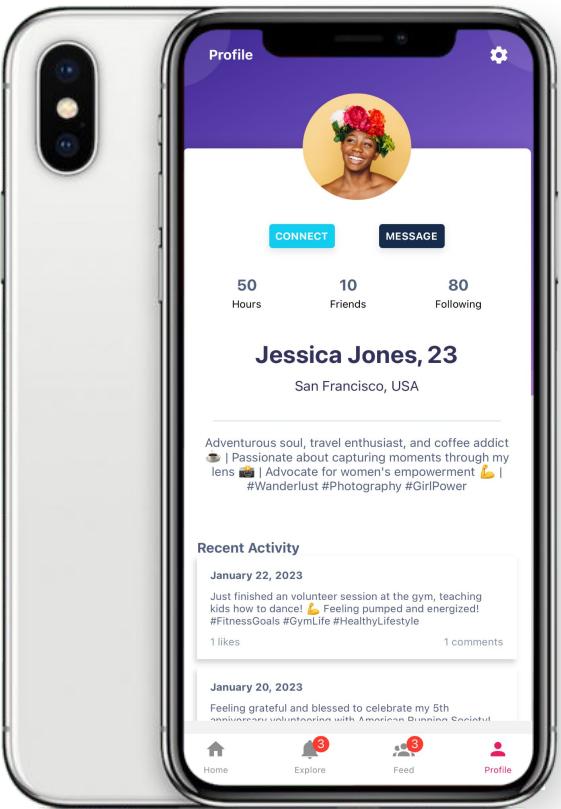
A streamlined mobile platform for your volunteering needs

An open source, centralized hub for volunteers and
organizations

...



Preview





Motivation



Challenges

- Finding relevant volunteer opportunities
- Finding volunteers with relevant skills
- Scheduling
- Outreach marketing (organizations)
- Volunteer retainment

Solution

- Connect volunteers and organizations
- Streamline the application and scheduling process
- Socialize volunteering
- Market opportunities and events



01

Simplify
the process of finding
volunteering opportunities

Goals

02

Provide
robust features to address
challenges with volunteering

03

Gamify
and socialize the
volunteering experience

04

Connect
volunteers with
organizations they value

02

Requirements

Non-functional Requirements

- Cross Platform (iOS, Android)
- Designed using JavaScript and Go
 - Dependencies: React Native, Expo, Gin, GORM, and Mockery
- MySQL Database
- Containerized with Docker
- Digital Ocean Server



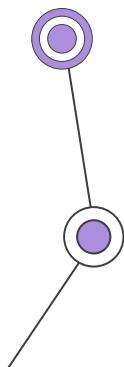
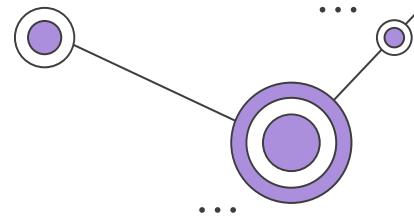
Functional Requirements (Frontend)

- Screens
 - Account Creation/Registration
 - Announcements
 - Explore
 - Events
 - Profiles
 - Friends/Following



Functional Requirements (Backend)

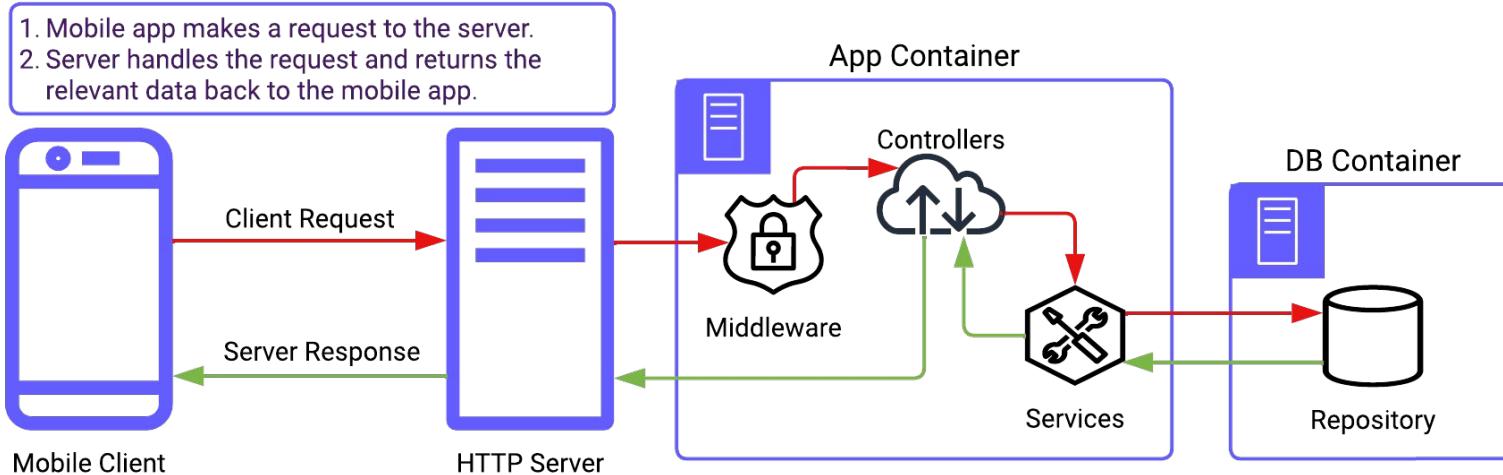
- Organizations
 - Creation, Roles, Adding Members, Interests
- Events
 - Creation, Sign Ups
- Social
 - Organization & Event Channels, Friends, Activity

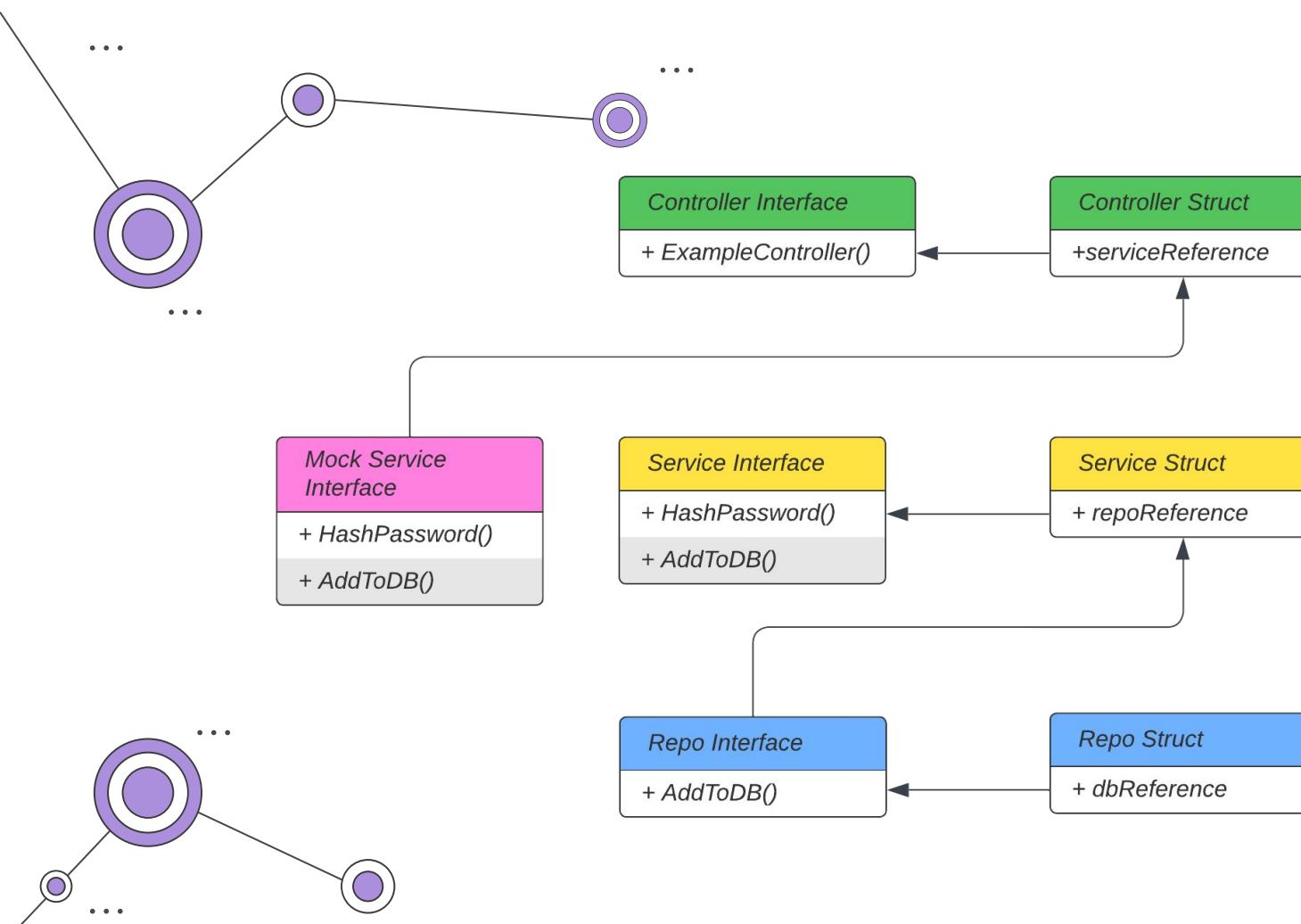


03

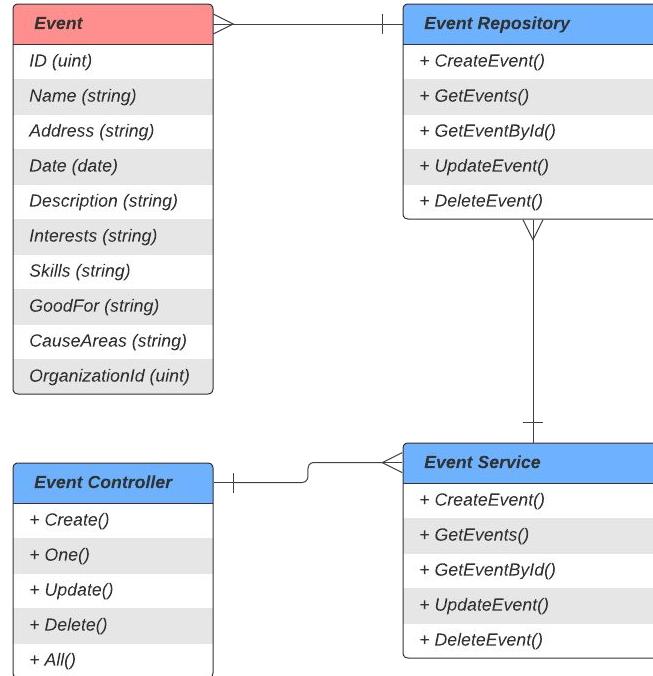
Design

Architecture

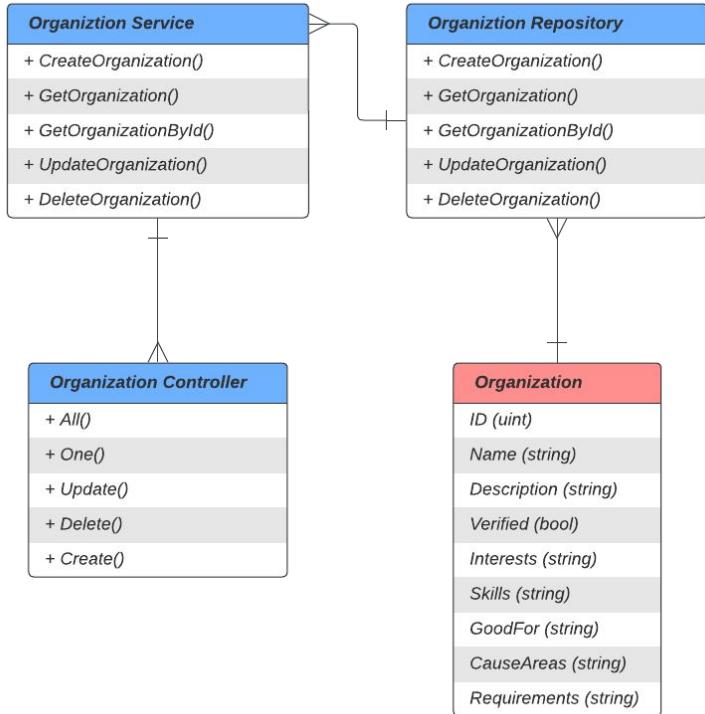




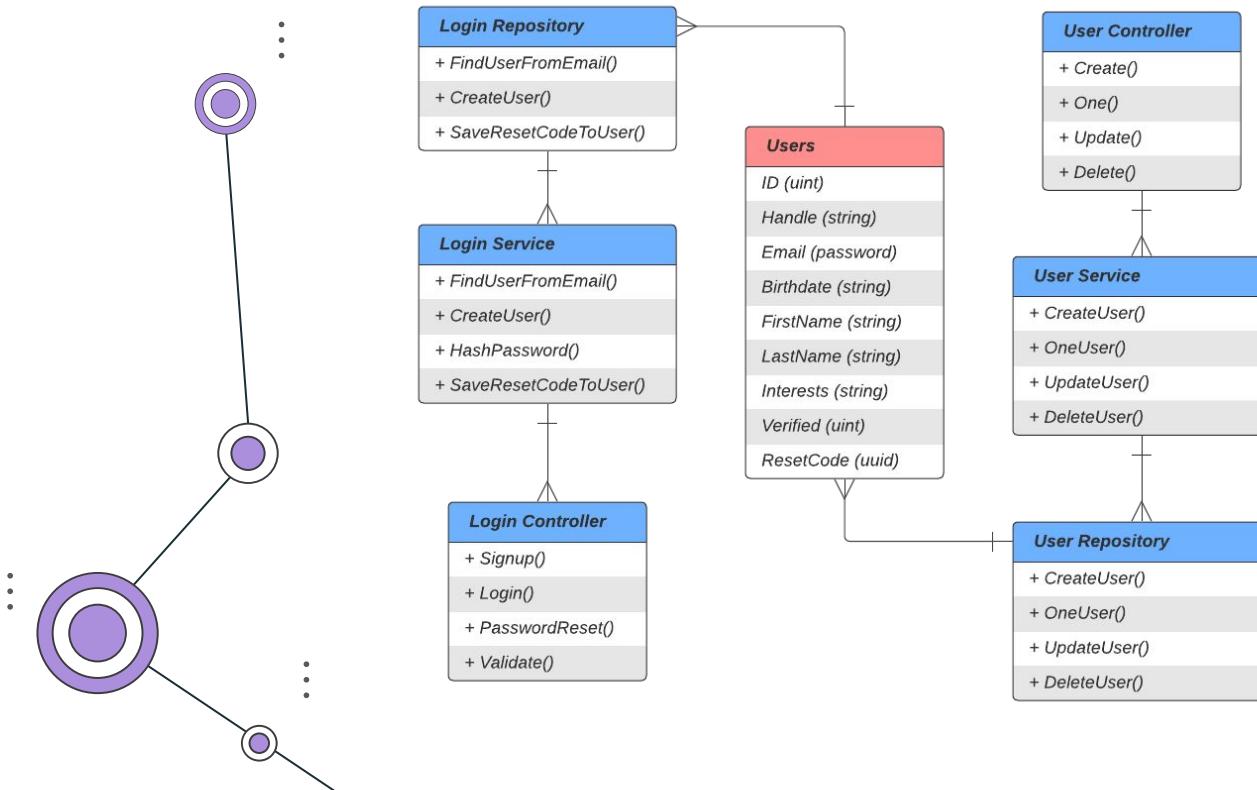
Events



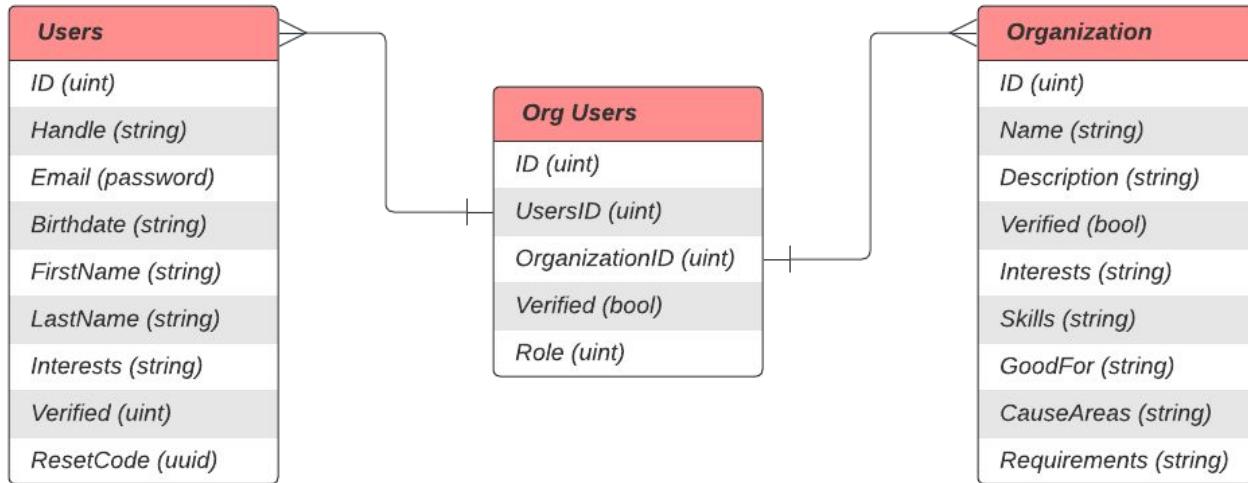
Organizations



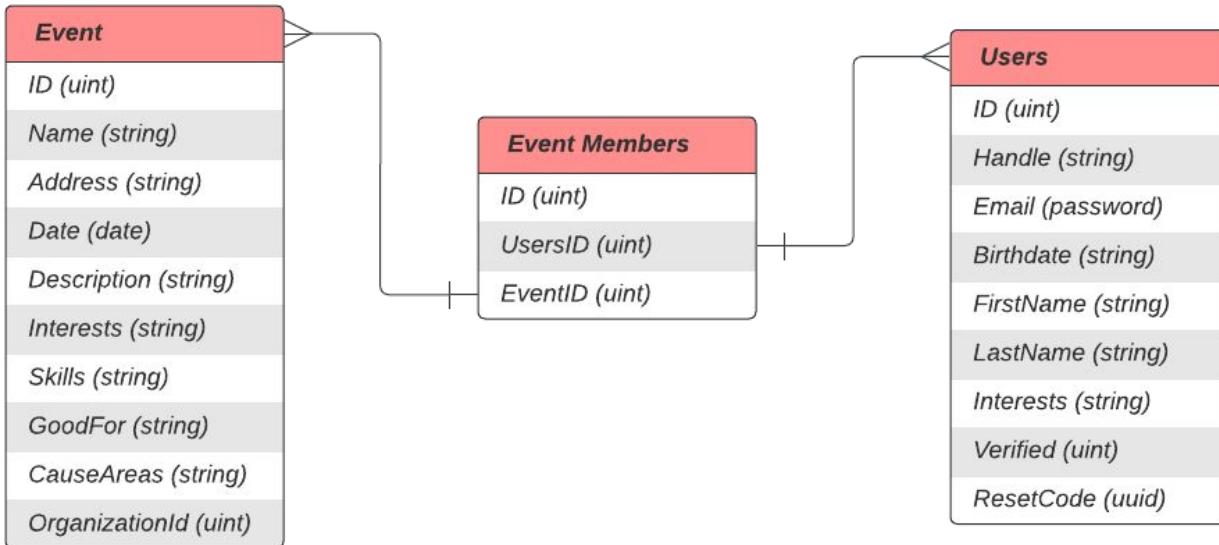
Users



Organization Members



Event Members



04

Prototype

Demo Video



05

User Study

Questions

Background Questions

Who are you?

Volunteer, organizer, or both?

...

Challenges

Finding events...

Finding volunteers...

...

UI/UX of prototype

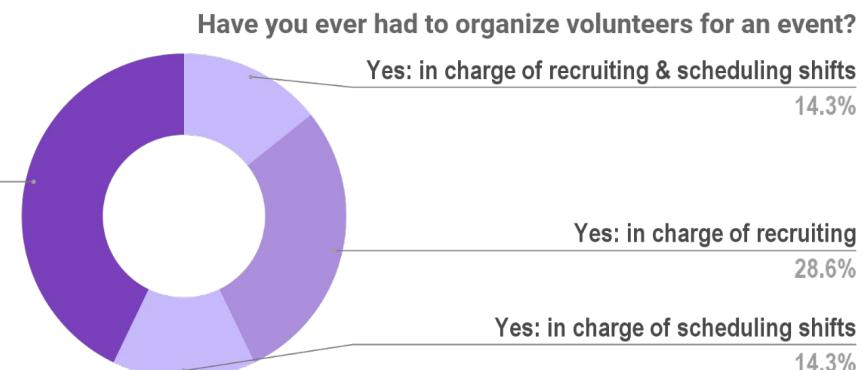
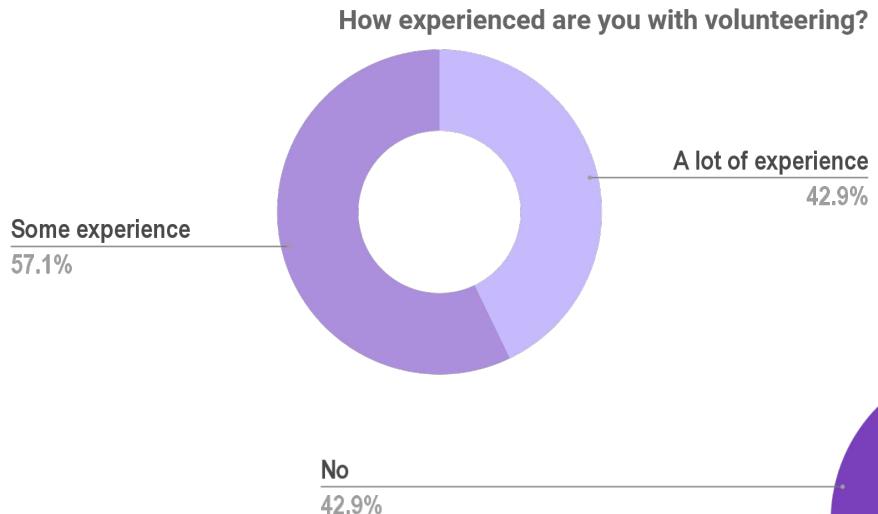
Helpfulness of the features...

Feature implementation...

...

Anything else?

Demographics



Results

Social Tab:

Pros

- More inclined to volunteer if their friends were volunteering
- Social media has a strong influence the current generation

Cons

- Not everyone cares for social media in volunteering

Announcements

+ New Announcement

 **Global Humanitarian Aid**
March 1

Help Pack Disaster Relief Bags
Come join us for a meaningful volunteer event where we will be packing disaster relief bags to provide aid to those impacted by natural disasters. From emergency shelters to families in need, these bags will contain essential items to help survivors during challenging times.

Volunteers will be assembling and packing bags with items such as non-perishable food, water, hygiene kits, first aid supplies, blankets, and other critical items. This is a hands-on opportunity to make a tangible difference in the lives of those affected by disasters. All ages and abilities are welcome, and no prior experience is necessary. Together, we can make a positive impact on communities in need. Join us for a rewarding day of service!

When: May 18, 2023
Where: Community Center, 123 Main Street, Anytown, USA
[Click to view event](#)

 **Habitat for Humanity**
February 2

Build & Improve Homes Community Day
Join us for a day of giving back to the community at the Build & Improve Homes Community Day!

 Home  Explore  Feed  Profile

Feed

+ New Post

 **Bryce Hansen**
March 1, 2021

Volunteering at the local soup kitchen was a heartwarming experience as I helped serve hot meals to those in need, witnessing the gratitude and appreciation of individuals who were struggling with food insecurity. The energy and camaraderie among the volunteer team at the soup kitchen event were infectious, as we worked together to prepare and serve nourishing meals to the homeless and underserved populations in our community.



8 Likes 3 Comments

Write a comment... ➤

 **Volunteer One**

 Home  Explore  Feed  Profile

Results

Quick-swipe feature:

Pros

- Feature for quick-look at events
- All important information on one screen

Cons

- Missing time that event ends or duration



Results

Profiles:

Pros

- Can include areas of passion/interest
- Reaching out from user to user is easier

Cons

- Could be expanded for more information

The image displays two screenshots of a mobile application interface, likely a social media or networking platform, showing a user profile and settings.

Screenshot 1: Profile Screen

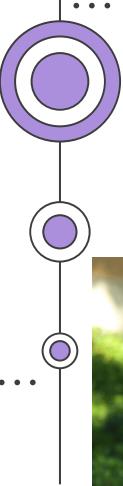
This screen shows a user profile for "Jessica Jones, 23" from San Francisco, USA. The profile picture is a woman with a flower crown. Below the picture are three buttons: "CONNECT" (blue) and "MESSAGE" (dark blue). Statistics show 50 Hours, 5 Friends, and 23 Following. The bio reads: "Adventurous soul, travel enthusiast, and coffee addict ☕️ | Passionate about capturing moments through my lens 📸 | Advocate for women's empowerment 💪 | #Wanderlust #Photography #GirlPower". Skills listed are Crafts, Drawing, Handwork, Computer, and Painting.

Screenshot 2: Settings Screen

This screen shows the "Edit Image" section of the settings. It displays the same profile picture and bio. Below the bio, there is a "Skills" section with the same skill categories as the profile screen. A "Save" button is at the bottom right. The navigation bar at the bottom includes Home, Explore, Feed, and Profile, with Profile being the active tab.

06

Team Contribution



Frontend Team



Carmen
Lee



Cera
Samson



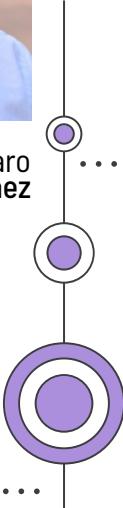
Matthew
Yapjoco



Mathis
Tessier



Genaro
Lopez Baez



Backend Team



Michael
Lazeroff



Edward
Sung



Cicelia
Siu

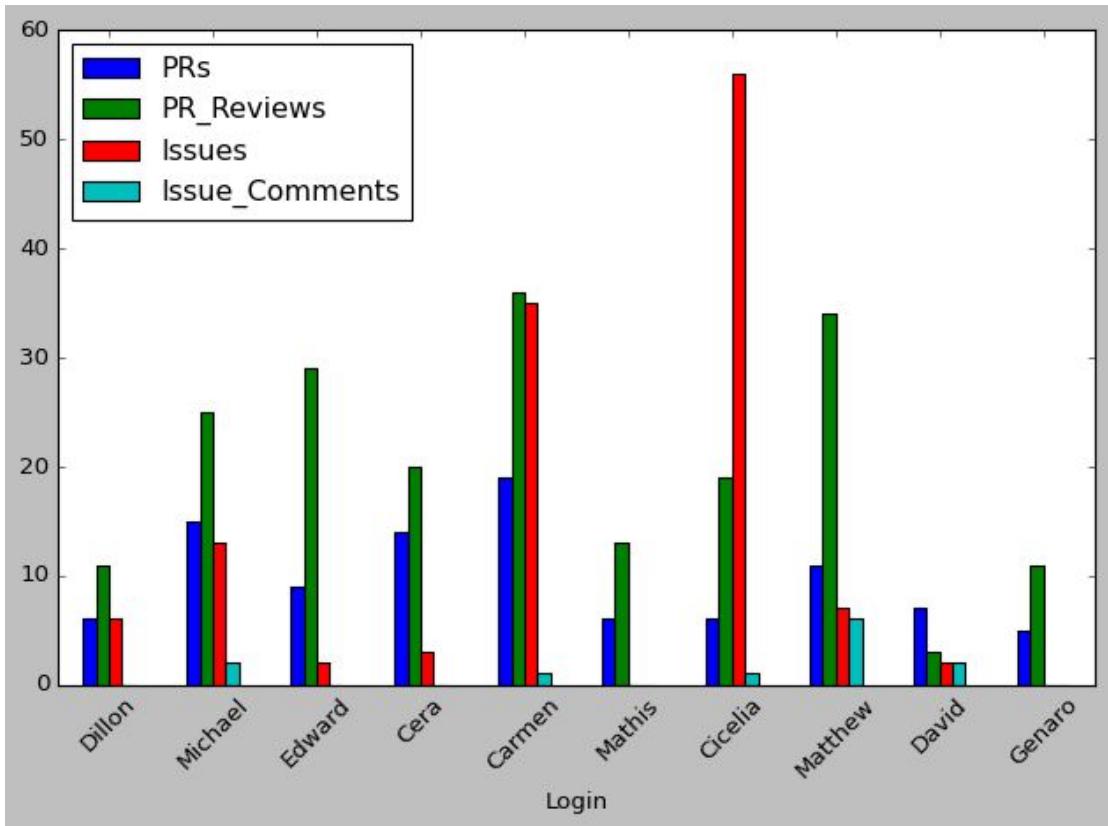


Dillon
Harder

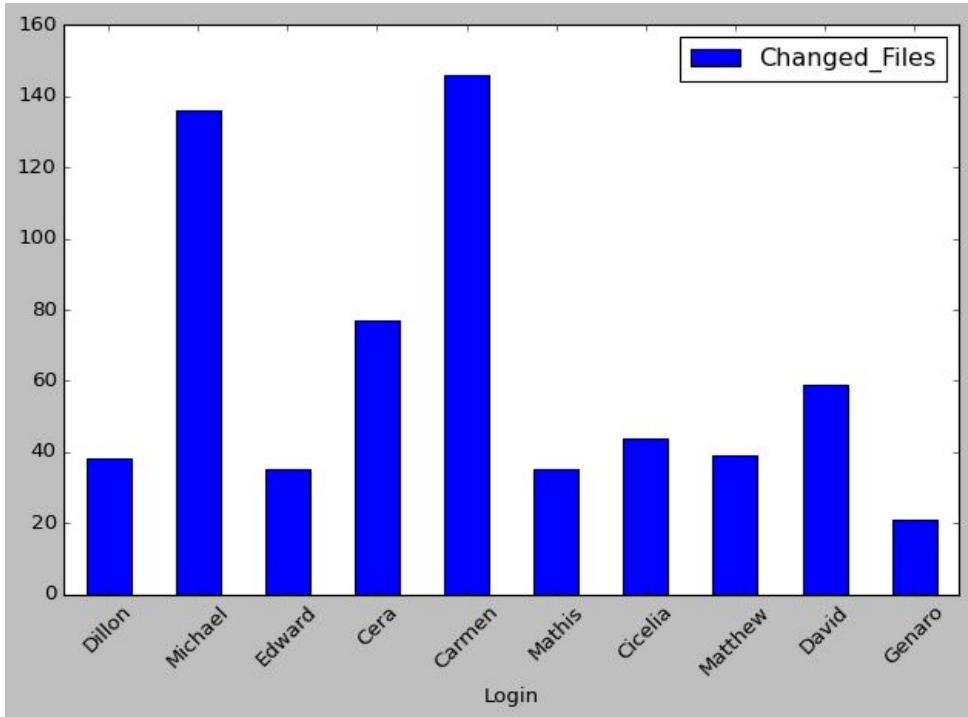


David
Zeleniak

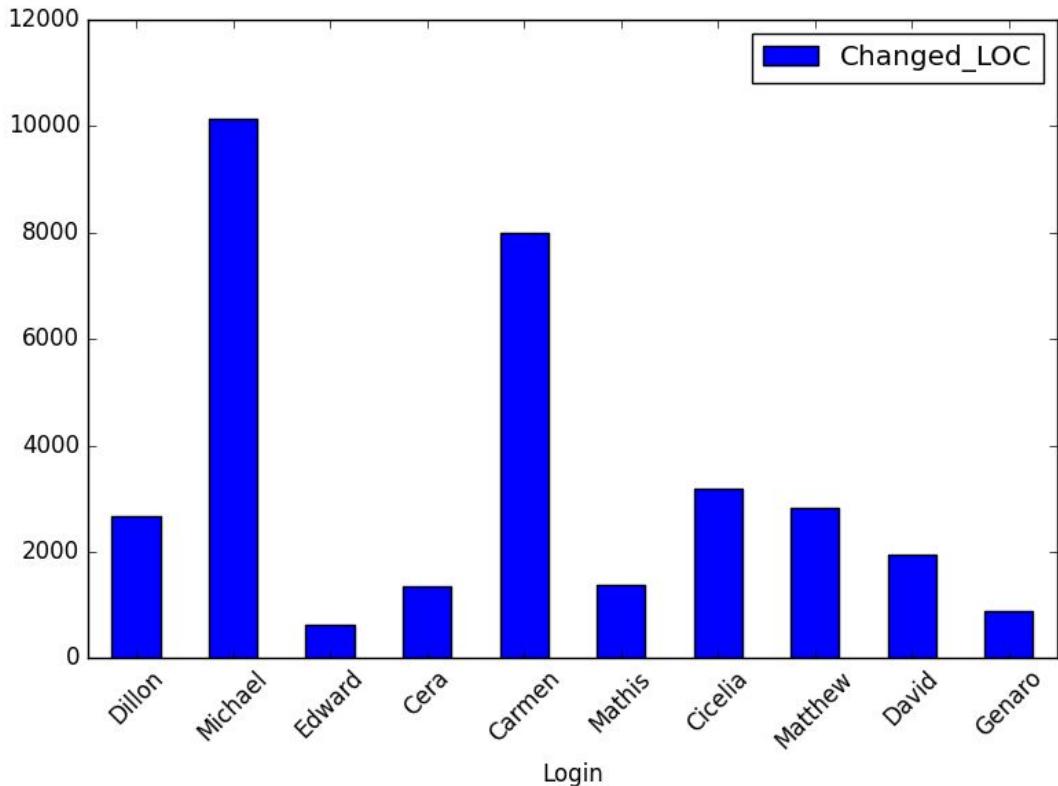
Pull Requests



Changed Files



Changed Lines of Code



Testing

Controllers Services Repositories

Branch
Coverage

100%

100%

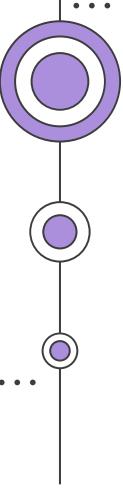
100%

Statement
Coverage

100%

100%

100%



Go Test and Gobco



```
✓ Tests passed: 302 of 302 tests  
✖ <2 go setup calls>
```

```
→ backend git:(main) ✘ gobco controllers  
ok      github.com/VolunteerOne/volunteer-one-app/backend/controllers  0.195s  
  
Branch coverage: 190/190
```

```
→ backend git:(main) ✘ gobco service  
ok      github.com/VolunteerOne/volunteer-one-app/backend/service    1.376s  
  
Branch coverage: 0/0
```

```
→ backend git:(main) ✘ gobco repository  
ok      github.com/VolunteerOne/volunteer-one-app/backend/repository  0.200s  
  
Branch coverage: 60/60
```

07

Conclusion

Challenges & Expandability

Challenge 1

Overlooking key features

Challenge 2

Not deploying the backend from the beginning

Challenge 3

The lack of prebuilt tooling with Go web frameworks

Challenge 4

Lack of communication between teams

Expansion 1

Self-cancellation feature

Expansion 2

Skill-matching events

Expansion 3

Being able to volunteer as a group

Expansion 4

Location-based events



Acknowledgements & Recognition

Advisors

- Dr. John Businge for support during development
- Molly Marks from the UNLV College of Engineering

Survey Participants

- Leora Dumanlang
- Kelly Chicas
- Matt L.
- Alyson P.
- Omari Ware
- Najmah Nassri
- Jeremy

References

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- [2] Team, V. (2022, September 19). 9 Problems You May Be Facing With Your Current Volunteer Management Process. Volgistics. Retrieved March 28, 2023, from <https://www.volgistics.com/blog/problems-current-volunteer-management-process/>.
- [3] Bussell, H., & Forbes, D. (2002). Understanding the volunteer market: The what, where, who and why of Volunteering. International Journal of Nonprofit and Voluntary Sector Marketing, 7(3), 244-257. <https://doi.org/10.1002/nvsm.183>.
- [4] Bang, H., & Ross, S. D. (2009). Volunteer motivation and satisfaction. Journal of venue and Event Management, 1(1), 61-77. <https://citeserx.ist.psu.edu/document?repid=rep1&type=pdf&doi=57bcd374bf289b02f99651d06adda4bdd4208f5>.
- [5] McAllum. (2014). Meanings of Organizational Volunteering. Management Communication Quarterly, 28(1), 84-110. <https://doi.org/10.1177/0893318913517237>.

Thanks!

Any questions 

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