

Design Presentation

Jacob Deffendall

jddeffendall@bsu.edu

Casey Haskins

cahaskins@bsu.edu

Clay Reber

bcreber@bsu.edu

Matthew Schrag

maschrag@bsu.edu

Riley Stetler

rbstetler@bsu.edu





Business requirements

- Make it easier for volunteer hours to be validated
- Extend the Betterflye platform to a larger audience via mobile applications



Use cases

- Check-in to initiatives (Volunteer self check-in)
- Check-in to initiatives (Initiative Manager checks in volunteers)
- Scan a users QR Code to send appreciations



Requirements

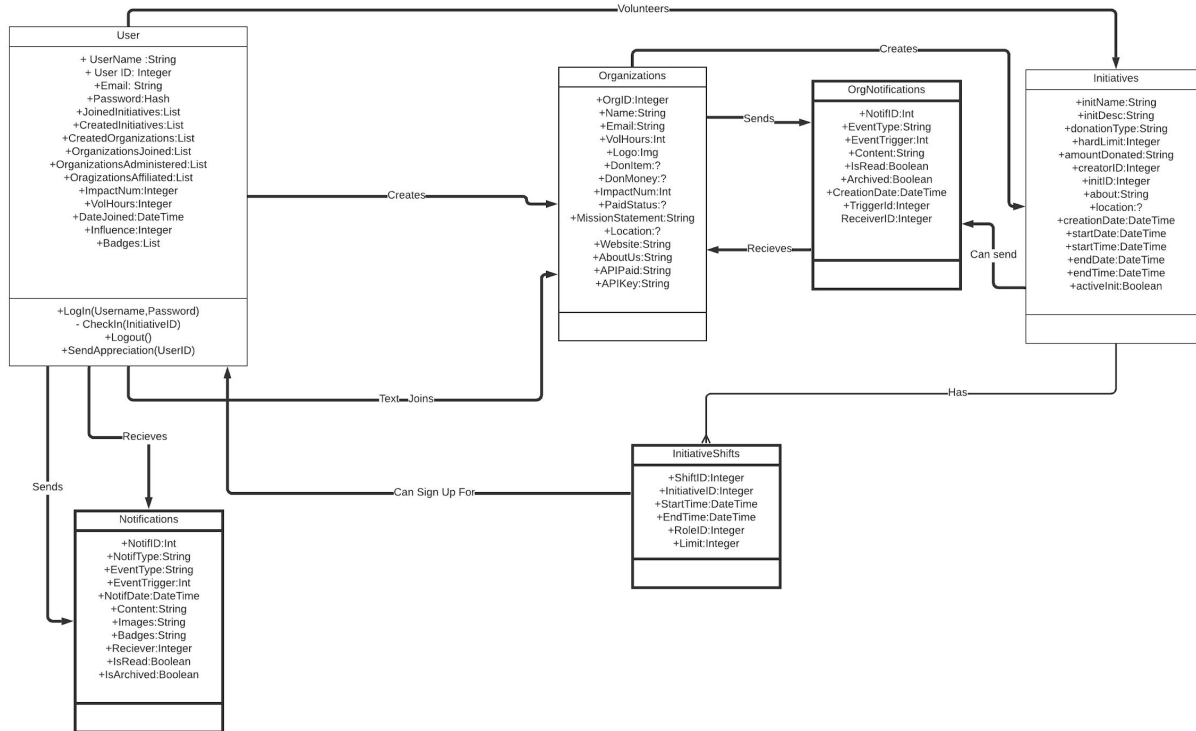
Examples of our Functional Requirements:

- A volunteer must have a QR Code associated with a unique identifier
- The application must allow users to send appreciations to each other

Examples of our Non Functional Requirements:

- The app needs to be accessible on iOS and Android
- The buttons and text need to meet accessibility standards

Domain Model







TechStack

- PHP
- Xamarin Forms
- MonkeyCache
- MySQL
- Docker



Prototype



Login

Sign Up

[Forgot Password?](#)



First Iteration Features

- Create starting menu view model
- Create Login or Create Account view
- Implement user login view model
- Create the user login view
- Implement User Registration ViewModel
- Create User Registration View
- Create QR Code View for Volunteer
- Implement QR Code functionality inside the Volunteer QR Code ViewModel



Mentor/Client Feedback

- Mentor
 - Removed first person pronouns from documents
 - Badges no longer needed in domain model
- Client
 - Remove first person pronouns from documents
 - Add basic “User” to list of actors