

# Bugle Project

## Team

Sachin Kumar, Sumit Srivastava, Pooja Gosavi, Nida Syed, Lin Zhu, Shyam Ramakrishnan, Cameron Harris

## Tagline

Making a difference just got easier!

## Description

Bugle is a mobile website that helps bridge the disconnect between volunteers and volunteering organizations. It provides a platform for volunteers interested to participate in volunteering events that suit their interests. It also helps organizations searching for the enthusiastic volunteers who share their passion.

## Project Milestones:

### 1. Requirement Gathering and Design

- Gathered requirements from the client: [Requirements](#)
- Developed wireframes for the design: [Wireframes](#)

### 2. Construction and Implementation

Following functionalities implemented as part of the construction and implementation phase:

- i) Login/Sign Up and Profile Page
  - Login and signup functionality for volunteers and organisations
- ii) Volunteer Home Page
  - See list of available events to apply
  - Apply for a event
- iii) Organization Home Page
  - Host events
- iv) Event Details Page and Approve/Reject Page
  - Approve or Reject volunteers for the hosted event
  - More description about the event
- v) Chat Page
  - Volunteers and Organisers can interact with chat
  - Separate persistent chat for each event
- vi) Optional Features (Google Login)
  - Option to login with google authentication

### 3. User Testing

- Validation of features

#### 4. Deployment

- Deployment of application on Heroku platform for public access.

#### Technology Stack used

- Node express - UI server
- Play framework - backend server with APIs for transacting data with database
- AngularJS - Frontend of website
- Google authentication - Google sign in.
- Google Maps - maps integration for easier navigation
- Heroku - Deployment platform
- PostgreSQL - database server
- Socket.io - websocket framework for Chat functionality

#### Features

- Mobile website for Bugle Volunteering app.
- Sign up with email for Volunteers and Organizations.
- Google sign in for Volunteers and Organizations.
- Organizations can host events for volunteers to participate.
- Volunteers can see events based on every organization and apply for the event.
- Organizations can choose volunteers for their events.
- Volunteers can chat with organizers and other volunteers for the event he/she was approved for.
- Google Maps integration for navigation to volunteer site.

#### Future Work

- Profile rating system for organizations and volunteers.
- Integration with BeenVerified for background verification.
- Option for users to add profile pictures.
- Facebook integration - signin and sharing.
- Chat notifications on mobile devices.
- Email verification and captcha integration

#### Screenshots:

- [Volunteer Screens](#)
- [Organization Screens](#)

Screencast: [Bugle Demo](#)

Progress Reports: [Report 1](#), [Report 2](#), [Report 3](#), [Report 4](#), [Report 5](#), [Report 6](#).

GitHub: [spring18\\_Bugle](#)

Live URL: [Bugle](#) (deployed on Heroku)

**Sample Users:**

*Organization-* email: org1@org.com, pwd: o1

*Volunteer-* email: usr1@vol.com, pwd: v1

**Specification:** [Backend API Specification](#)



