Volunteer Signup

CS6314.002 Web Programming Languages Project Report

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Project Description

Volunteer Signup is a website where users can create signup sheets for various events in their organization. Event organizers need to register in the website before they can create volunteer signup sheets for events. The Users can create multiple signup sheets for different events. For each sheet the user can specify different tasks and the number of volunteers needed for each task. After creating a sheet, the user can share the link of the sheet to potential volunteers. Volunteers can sign up for events without having to register at the site.

Functionalities:

- The users can keep a track of the volunteers signed up for each task in any event by going to the Events tab.
- Once the required number of volunteers have signed up for a task, no one else will be able to sign up for that task. Even if the link is available with someone, they will not be able to sign up.
- In case, an event gets cancelled and the user no longer needs any volunteers, the user can cancel the sheet. If a sheet gets cancelled, the volunteers signed up for that event will get a mail notifying them regarding the cancellation of the event.
- If any Volunteer wishes to withdraw from any event, he/she will have to notify the sheet owner to drop his/her name from the list. Then, the event owner must clear the slot assigned to that volunteer. Once the slot is cleared, the volunteer receives an automated mail.
- An Event details can be modified after its creation using the edit button. More tasks can be added. Volunteer needed can be increased or decreased (not less than already registered)
- The Volunteer list can be downloaded as CSV file for each event.

Technology stack

- Node.js – Runtime Environment
- Expressjs – Server-side framework for implementing RESTful APIs
- Angular JS (1.4.9) – Front-end framework

Additional libraries/frameworks used for Front-end:

- Bootstrap (3.3.7)
- angular-ui-router
- angular-animate
- Ui-bootstrap
- Jquery
- angular-block-ui

Additional packages used for Server-side:

- Json2csv
- Nodemailer
- Mongoose
- Passport
- Passport-local
- Passport-local-mongoose
- Jade

Database Design

The Database has been implemented using MongoDB. The Database has two collections:
1. Users - contains the registered user details.
    User Model:

    ```
    User = {
            firstname: String,
            lastname: String,
            organization: String,
            username: String,
            password: String
    }


    User.index({username:  1}, {unique:  true});
    ```
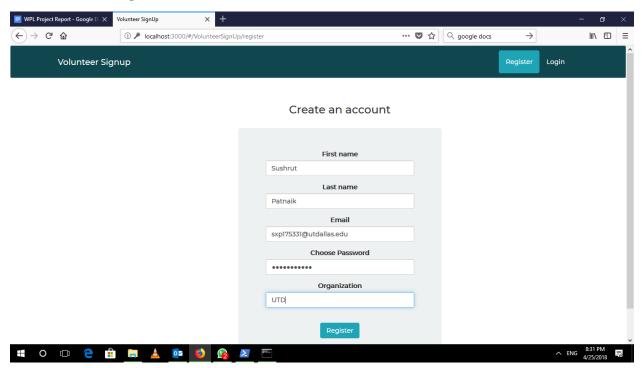
2. Events - contains the events/sheets created by the user.
    Event Model:

    ```
    People = {
            firstname: String,
            lastname: String,
            email: String,
            phone: Number
    }
    What = {
            name: String,
            when: String,
            people_needed: Number,
            people_signedup: [People]
    }
    Event = {
            title: String,
            owner: String,
            description: String,
            isDeactivated: Boolean,
            what: [What]
    }
    ```
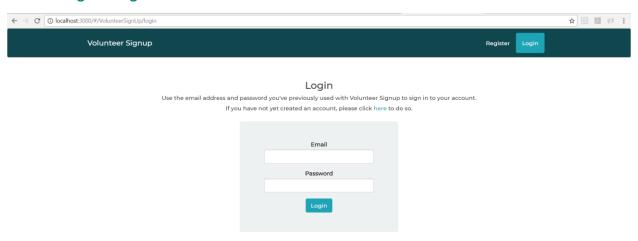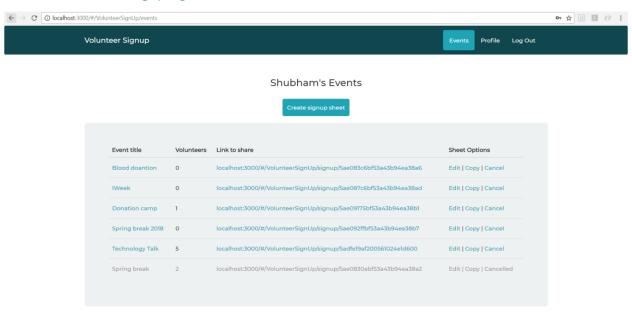
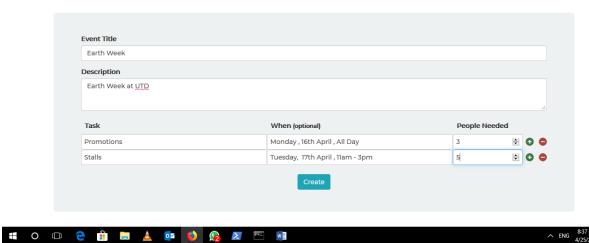# Screenshots

- ## Welcome page

- ## User Registration

- ## Login Page

- ## Event listing page

- ## Create an event and its tasks

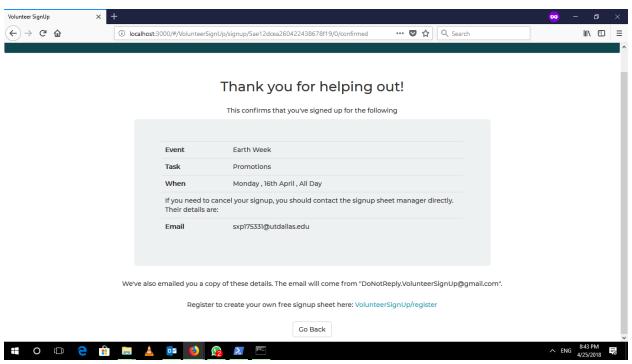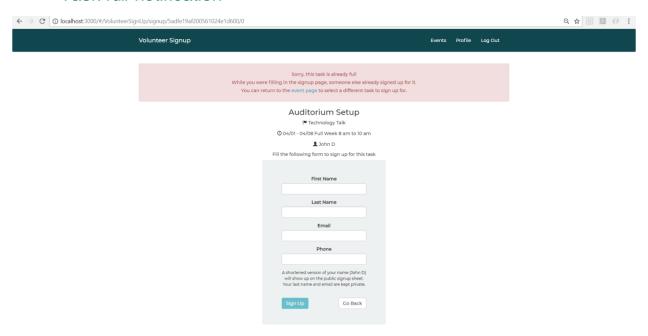- ## Signup page for an event
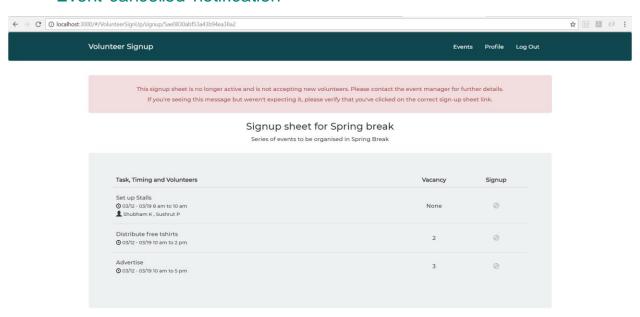
- Sign up page for a task

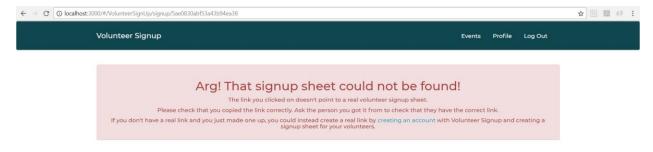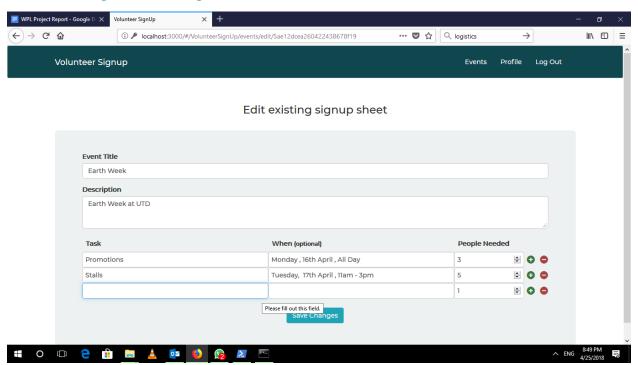- Confirmation after signing up for a task of an event

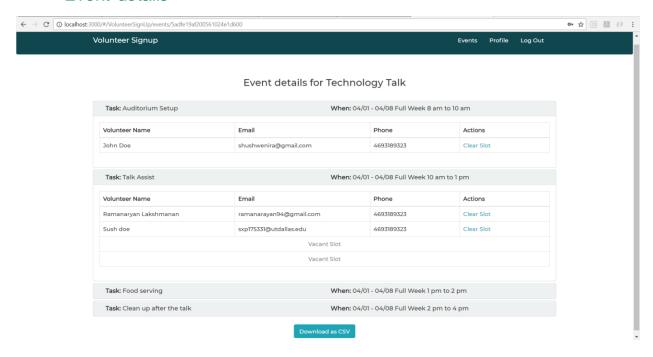- ## Task full notification

- ## Event cancelled notification

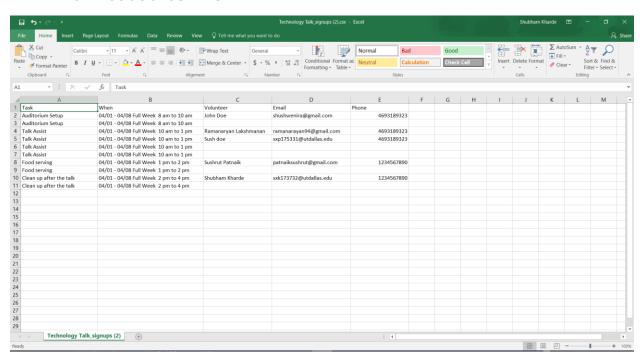- Event not found error (Wrong link copied/ Editing event id in URL)
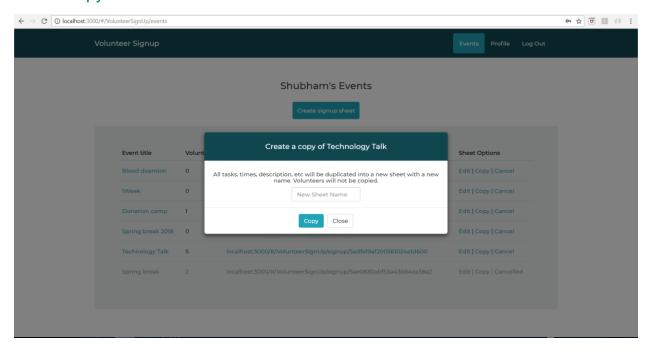

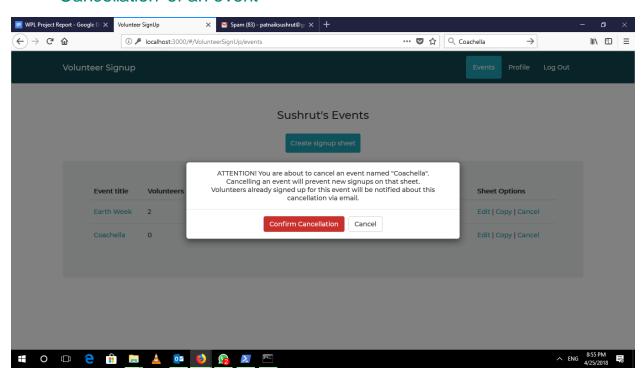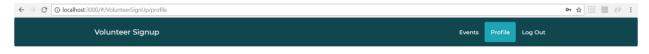- Editing an existing event sheet

- ## Event details

- ## Downloaded csv file

- ## Copy an event

- ## Cancellation of an event

- ## User Profile Page

- ## Confirmation Email

Thank you for volunteering

VS **Volunteer Signup <donotreply.volunteersignup@gmail.com>**
4/22/2018 4:55 PM

To: khardeshubhamr@gmail.com

Volunteer Confirmation

Event name: UTD Tech Talks
Signup page: VolunteerSignUp/signup/5adcfb390c4772238c6b29ca
Task: Clean up after the event
When: All Days 5 pm to 6 pm

Please mark your calendar now.

In case of inquiries or cancellation, please contact event manager.
Manager Email: sxk173732@utdallas.edu

Register to create your own free signup sheet here: VolunteerSignUp/register

Team members and Work Division

Each page listed for each member has both the Client side (HTML and controller) and Server side (Specific APIs for that page) parts completed by that member.

Sushrut Patnaik (sxp175331)	Shubham Kharde (sxk173732)
Home page	Login page
Event details page	Register page
Welcome page	Profile page
Event listing page	Create page
Thanks page	Edit page
Task Signup page	Modals (Copy, cancel, alerts)
Event Signupsheet page	Front-end <> Back-end setup
UI Color schemes	Angular Routing
UI Font	Sending out emails
Block UI library	Authentication
JSON2csv package	All Services
MongoDB - Events table	MongoDB - Users table