



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

- Nodejs – 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:

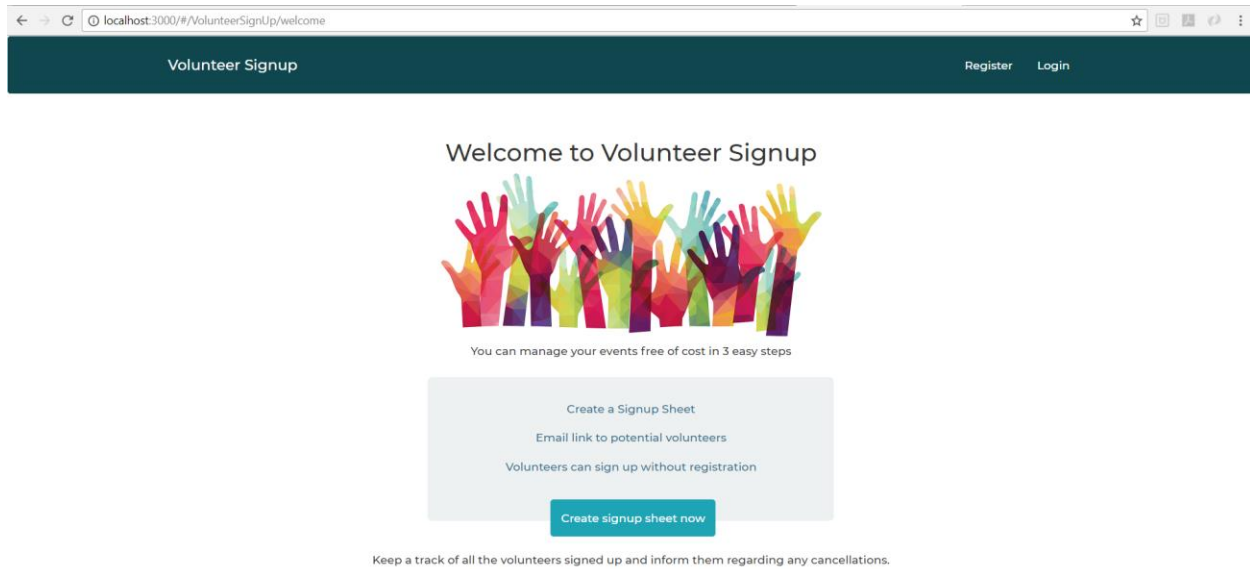
```
People = {
  firstname: String,
  lastname: String,
  email: String,
  phone: Number
}

What = {
  name: String,
  when: String,
  people_needed: Number,
  people_signedup: [People]
}

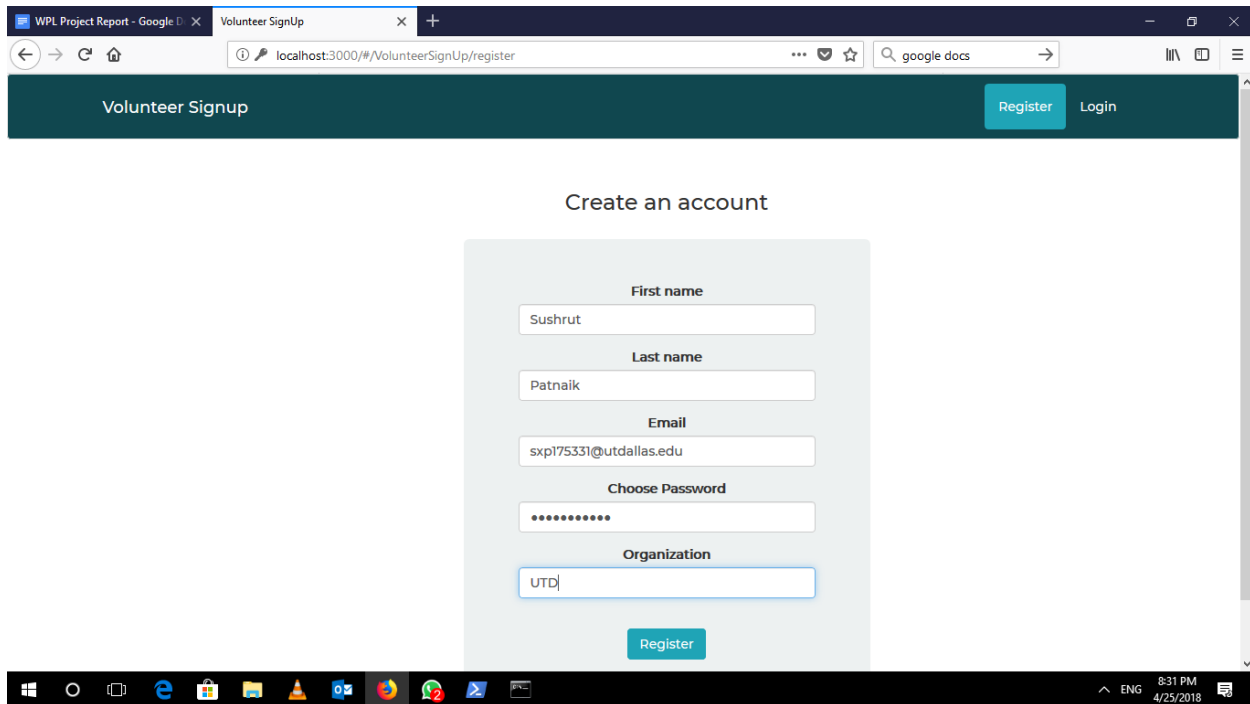
Event = {
  title: String,
  owner: String,
  description: String,
  isDeactivated: Boolean,
  what: [What]
}
```

Screenshots

- Welcome page



- User Registration



- Login Page

localhost:3000/#/VolunteerSignUp/login

Volunteer SignupRegisterLogin

Login

Use the email address and password you've previously used with Volunteer Signup to sign in to your account.
If you have not yet created an account, please click [here](#) to do so.

Email

Password

Login

- Event listing page

localhost:3000/#/VolunteerSignUp/events

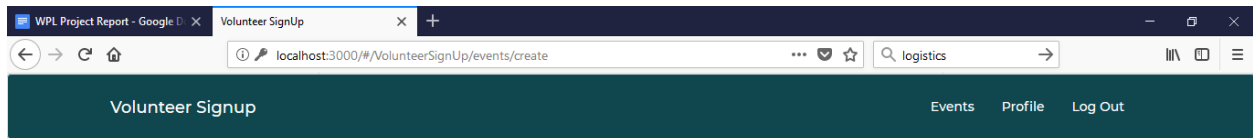
Volunteer SignupEventsProfileLog Out

Shubham's Events

Create signup sheet

Event title	Volunteers	Link to share	Sheet Options
Blood doantion	0	localhost:3000/#/VolunteerSignUp/signup/Sae083c6bf53a43b94ea38a6	Edit Copy Cancel
IWeek	0	localhost:3000/#/VolunteerSignUp/signup/Sae087c6bf53a43b94ea38ad	Edit Copy Cancel
Donation camp	1	localhost:3000/#/VolunteerSignUp/signup/Sae09175bf53a43b94ea38b1	Edit Copy Cancel
Spring break 2018	0	localhost:3000/#/VolunteerSignUp/signup/Sae092ffb53a43b94ea38b7	Edit Copy Cancel
Technology Talk	5	localhost:3000/#/VolunteerSignUp/signup/Sadfe19af200561024eld600	Edit Copy Cancel
Spring break	2	localhost:3000/#/VolunteerSignUp/signup/Sae0830abf53a43b94ea38a2	Edit Copy Cancelled

- Create an event and its tasks



Create Signup Sheet for an event

Event Title

Earth Week

Description

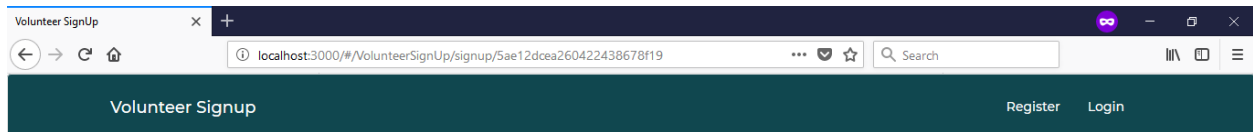
Earth Week at UTD

Task	When (optional)	People Needed
Promotions	Monday , 16th April , All Day	3
Stalls	Tuesday, 17th April , 11am - 3pm	5

Create



- Signup page for an event



Signup sheet for Earth Week

Earth Week at UTD

Task, Timing and Volunteers	Vacancy	Signup
Promotions Monday , 16th April , All Day Sushrut P , Akanksha P	1	→
Stalls Tuesday, 17th April , 11am - 3pm	5	→



- Sign up page for a task

The screenshot shows a web browser window with the URL `localhost:3000/#/VolunteerSignUp/signup/Sadfe19af200561024e1d600/1`. The page has a dark teal header with the text "Volunteer Signup" and links for "Events", "Profile", and "Log Out". The main content area is white and features a task titled "Talk Assist" with a sub-header "Technology Talk". Below this, the dates "04/01 - 04/08 Full Week 10 am to 1 pm" and the organizer "Ramanaryan L ; Sush d" are listed. A message states: "Fill the following form to sign up for this task". A light gray form box contains four input fields labeled "First Name", "Last Name", "Email", and "Phone". Below the form, a note says: "A shortened version of your name (John D) will show up on the public signup sheet. Your last name and email are kept private." At the bottom of the form box are two buttons: "Sign Up" (teal) and "Go Back" (white with teal border).

- Confirmation after signing up for a task of an event

The screenshot shows a web browser window with the URL `localhost:3000/#/VolunteerSignUp/signup/Sae12d0ea260422438678f19/0/confirmed`. The page has a dark teal header with the text "Volunteer Signup" and a search bar. The main content area is white and features a large heading "Thank you for helping out!". Below this, a message states: "This confirms that you've signed up for the following". A light gray box contains a table with the following details:

Event	Earth Week
Task	Promotions
When	Monday , 16th April , All Day

Below the table, a message states: "If you need to cancel your signup, you should contact the signup sheet manager directly. Their details are:". Below this, a table contains the following details:

Email	sxp175331@utdallas.edu
-------	------------------------

Below the table, a message states: "We've also emailed you a copy of these details. The email will come from 'DoNotReply.VolunteerSignUp@gmail.com'." Below this, a message states: "Register to create your own free signup sheet here: [VolunteerSignUp/register](#)". At the bottom of the page is a "Go Back" button.

- Task full notification

localhost:3000/#/VolunteerSignUp/signup/5adfe19af200561024e1d600/0

Volunteer Signup Events Profile Log Out

Sorry, this task is already full
While you were filling in the signup page, someone else already signed up for it.
You can return to the [event page](#) to select a different task to sign up for.

Auditorium Setup
Technology Talk
04/01 - 04/08 Full Week 8 am to 10 am
John D
Fill the following form to sign up for this task

First Name
Last Name
Email
Phone

A shortened version of your name (John D) will show up on the public signup sheet. Your last name and email are kept private.

Sign Up Go Back

- Event cancelled notification

localhost:3000/#/VolunteerSignUp/signup/5ae0830abf53a43b94ea38a2

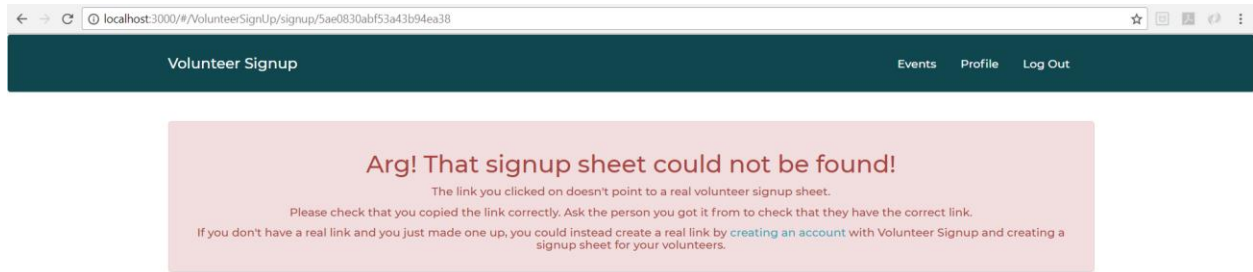
Volunteer Signup Events Profile Log Out

This signup sheet is no longer active and is not accepting new volunteers. Please contact the event manager for further details.
If you're seeing this message but weren't expecting it, please verify that you've clicked on the correct sign-up sheet link.

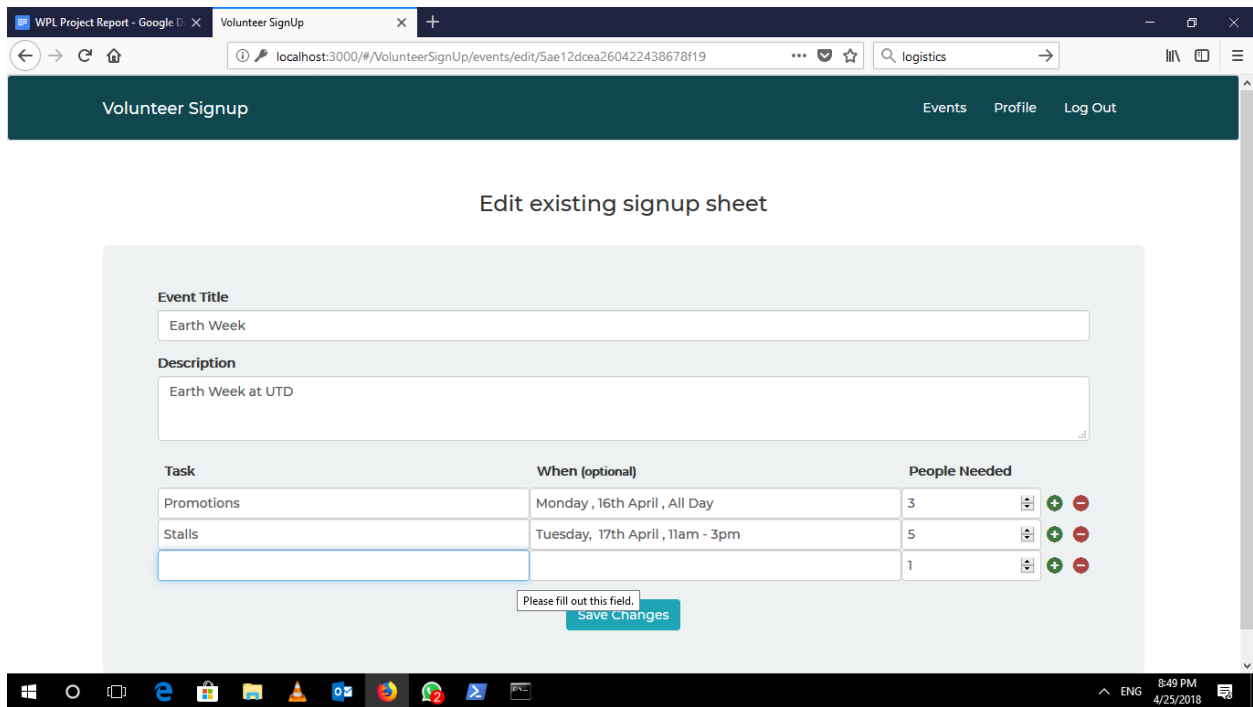
Signup sheet for Spring break
Series of events to be organised in Spring Break

Task, Timing and Volunteers	Vacancy	Signup
Set up Stalls 03/12 - 03/19 8 am to 10 am Shubham K , Sushrut P	None	🔒
Distribute free tshirts 03/12 - 03/19 10 am to 2 pm	2	🔒
Advertise 03/12 - 03/19 10 am to 5 pm	3	🔒

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



- Editing an existing event sheet



- Event details

localhost:3000/#/VolunteerSignUp/events/5adfe19af200561024e1d600

Volunteer Signup Events Profile Log Out

Event details for Technology Talk

Task: Auditorium Setup **When:** 04/01 - 04/08 Full Week 8 am to 10 am

Volunteer Name	Email	Phone	Actions
John Doe	shushwenira@gmail.com	4693189323	Clear Slot

Task: Talk Assist **When:** 04/01 - 04/08 Full Week 10 am to 1 pm

Volunteer Name	Email	Phone	Actions
Ramanaryan Lakshmanan	ramanarayan94@gmail.com	4693189323	Clear Slot
Sush doe	sxp175331@utdallas.edu	4693189323	Clear Slot
Vacant Slot			
Vacant Slot			

Task: Food serving **When:** 04/01 - 04/08 Full Week 1 pm to 2 pm

Task: Clean up after the talk **When:** 04/01 - 04/08 Full Week 2 pm to 4 pm

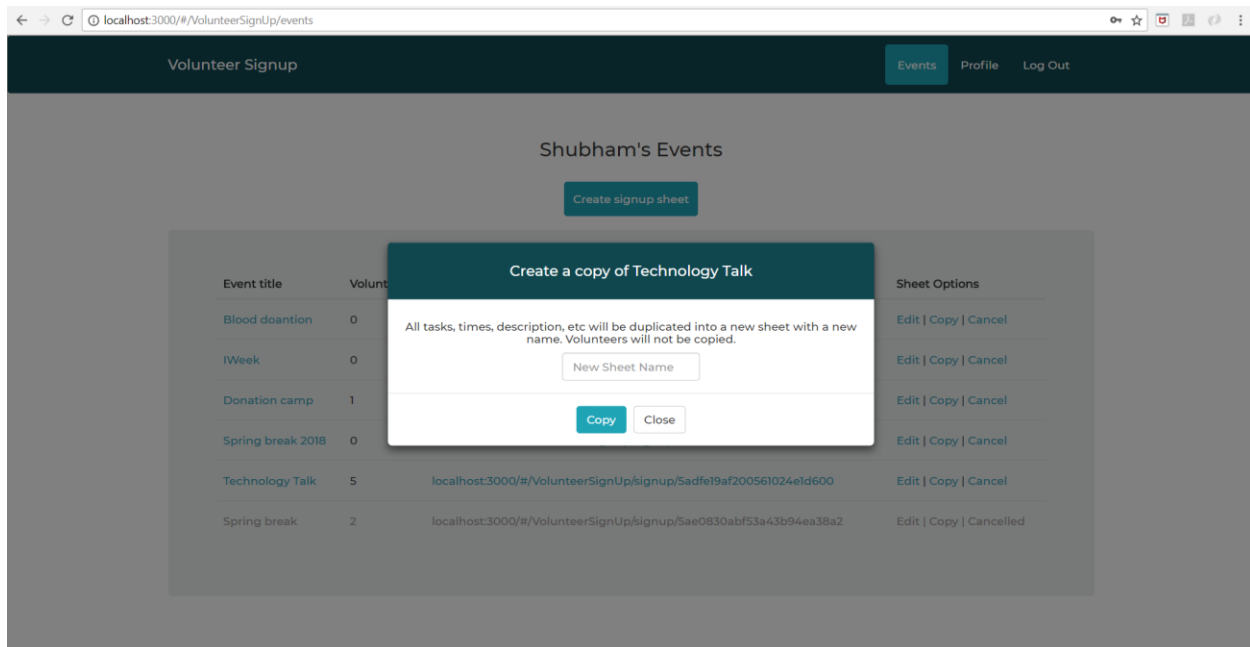
[Download as CSV](#)

- Downloaded csv file

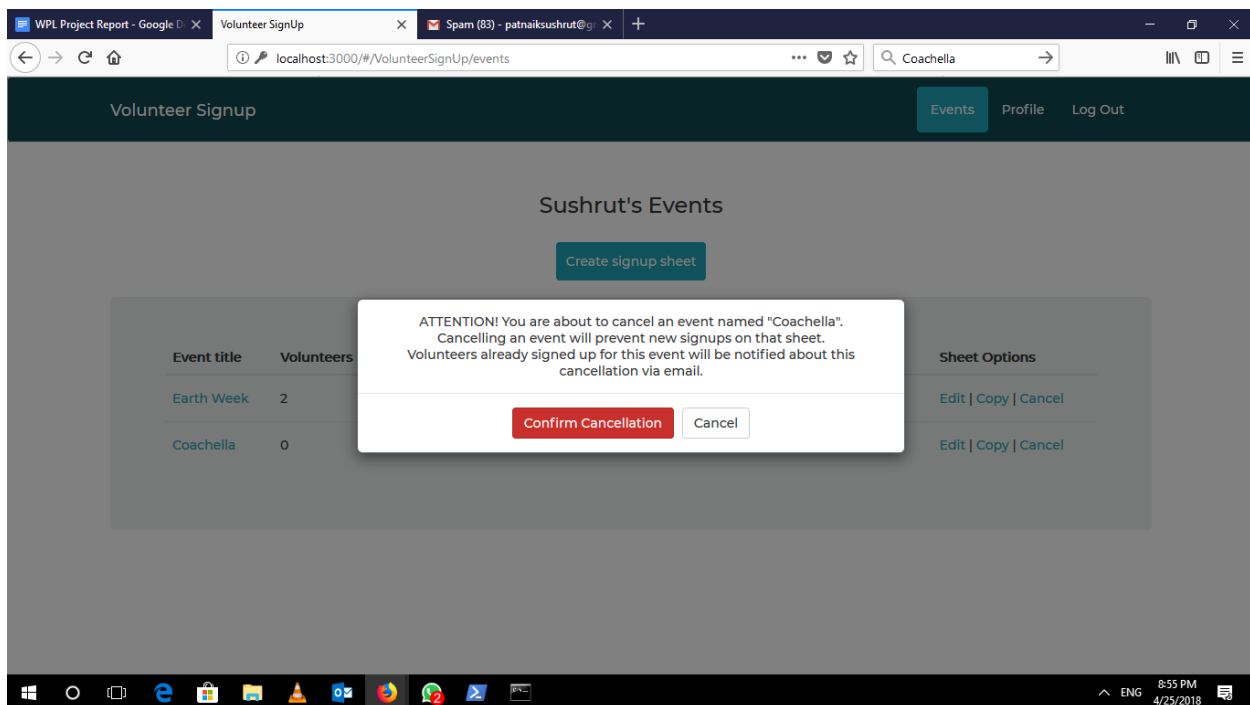
Technology Talk_signups (2).csv - Excel

Task	When	Volunteer	Email	Phone
Auditorium Setup	04/01 - 04/08 Full Week 8 am to 10 am	John Doe	shushwenira@gmail.com	4693189323
Auditorium Setup	04/01 - 04/08 Full Week 8 am to 10 am			
Talk Assist	04/01 - 04/08 Full Week 10 am to 1 pm	Ramanaryan Lakshmanan	ramanarayan94@gmail.com	4693189323
Talk Assist	04/01 - 04/08 Full Week 10 am to 1 pm	Sush doe	sxp175331@utdallas.edu	4693189323
Talk Assist	04/01 - 04/08 Full Week 10 am to 1 pm			
Talk Assist	04/01 - 04/08 Full Week 10 am to 1 pm			
Food serving	04/01 - 04/08 Full Week 1 pm to 2 pm	Sushrut Patnaik	patnaiksushrut@gmail.com	1234567890
Food serving	04/01 - 04/08 Full Week 1 pm to 2 pm			
Clean up after the talk	04/01 - 04/08 Full Week 2 pm to 4 pm	Shubham Kharde	sxk173732@utdallas.edu	1234567890
Clean up after the talk	04/01 - 04/08 Full Week 2 pm to 4 pm			

- Copy an event



- Cancellation of an event



• User Profile Page

Manage your profile

Email shushwenira@gmail.com

Organization UTD

First name Shubham

Last name Kharde

Update Name

Old password Old password

New password New password

Confirm new password Confirm new password

Update Password

• Confirmation Email

← Reply << Reply all → Forward 📁 Archive 🗑 Delete 🚩 Set flag ...

Thank you for volunteering



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: sk173732@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)

Home page

Event details page

Welcome page

Event listing page

Thanks page

Task Signup page

Event Signupsheet page

UI Color schemes

UI Font

Block UI library

JSON2csv package

MongoDB - Events table

Shubham Kharde (sxk173732)

Login page

Register page

Profile page

Create page

Edit page

Modals (Copy, cancel, alerts)

Front-end <> Back-end setup

Angular Routing

Sending out emails

Authentication

All Services

MongoDB - Users table