



## **Volunteer Sign up**

*CS 6314- Web Programming Languages Project Report*

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## **1. Name of the Website**

Volunteer4us.org

## **2. Project Description**

### **i. Introduction**

We live in a world where we should help each other to make our planet a better place. Fortunately, there are many organizations which conduct events to help and assist the needed. Also, there are many individuals who would like to be part of such events without being an active member of such an organization. Personally, all of us must have gone through a similar situation where we would help without actively working for an organization. Unfortunately, a lot of events conducted by such organizations are understaffed and would have been more successful if more volunteers were present. This is the fact which inspired us to do a project which can potentially solve this situation and help organizations find more volunteers.

The website Volunteer4us.org is a web platform to connect these two. The website facilitates a user to signup, view the events conducted by various NGOs, filter them based on category, search based on type, place or description and register for those events in the future. Also, a user won't be able to sign up for a past event or an event where maximum volunteers have already signed up. The website also allows the NGO to send email to administrator to register an event in the website. It should display details about the event, date, venue, maximum number of volunteers required etc. The administrator should be able to add and delete events and NGOs. Also, administrator should be able to cancel the registration of a user for a particular event.

This project, hence aims at the development of such an application with a professional outlook.

### **ii. Features**

There are two kind of users who can login to the system: The normal user and admin. The functionalities are different for both kinds.

User Features:

Up on going to the home page, the user will be given a link to sign in/sign up to the platform at first. The user can use email as his username, create password and give personal details to sign up initially. Later the user can sign in using the same details. Once logged in, the user will be able to see all the events conducted by various NGOs.

Paging has been implemented here and user can see three events in a row. The details about the event like event name, date and time, venue etc. will be displayed. Some features available for the user on the login page are:

1.Filter: The user can filter the events based on the categories. In our implementation we have used categories like "Animals", "Children" and "Environment"

2. Search: User can do a search in the events. The search will be matched if the key word user enters is there in the name, description, category or event name of all the events in the system.
3. Add to wish list: This button is present under each event and allows the user to add the selected event in the wish list.
4. Wishlist: This tab present on the header allows user to view the events he has wish-listed.
5. Your Events: This tab present on the header allows the user to view all the events he attended in the past and planning to attend in the future.
6. Logout: Allows the user to logout of his session.
7. Home: Navigates the user back to the login home page.

#### Admin Features:

Administrator has special authorization to login. There is only one admin and he can login using the authorized username and password.

After successful login, admin will be able to see a table of events and he can delete events from that table if required. Another features admin has been:

1. Add Event: This lets the admin add event. The event must be affiliated with an existing NGO for the event to appear in the event list. All the details regarding events such as name, date, time, venue, etc. should be added and an image should be chosen.
2. Add NGO: This allows the admin to add new NGOs to the system.
3. NGO Details: This allows admin to see the list of existing NGOs and delete the NGOs if required.
4. Volunteer Details: This allows admin to see the volunteers who have signed up for events and delete the registration if required.
5. Home: This option allows the admin to navigate back to home login page.
6. Logout: Logs out the admin session.
7. User Interface: Allows admin to access the user interface.

### 3. Database Design

#### i. Schema

3NF-Normalized Database Design

event

<u>event_id</u>	max_no	description	category	date	time	e_name	venue	registration_id	flag	img
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ngo

ngo_name	<u>registration_id</u>	city	description Ngo	flag
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sign\_up

<u>email</u>	<u>event_id</u>	date	cancel
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users

<u>email</u>	password	fname	lname	userlevel
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wishlist

<u>email</u>	<u>event_id</u>	flag
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ii. Design

Tables in the volunteer database were created using the following SQL statements in phpmyadmin:

```
CREATE TABLE `event` (
  `event_id` varchar(10) NOT NULL,
  `max_no` int(11) NOT NULL,
  `description` varchar(200) NOT NULL,
  `category` varchar(50) NOT NULL,
  `date` date NOT NULL,
  `time` time NOT NULL,
  `e_name` varchar(40) NOT NULL,
  `venue` varchar(100) NOT NULL,
  `registration_id` varchar(10) NOT NULL,
  `flag` int(11) NOT NULL DEFAULT '0',
  `img` varchar(40) NOT NULL
)
```

```
CREATE TABLE `ngo` (
  `ngo_name` varchar(40) NOT NULL,
  `registration_id` varchar(10) NOT NULL,
  `city` varchar(30) NOT NULL,
  `description Ngo` varchar(200) NOT NULL,
  `flag` int(11) NOT NULL DEFAULT '0'
)
```

```
CREATE TABLE `sign_up` (
    `email` varchar(50) NOT NULL,
    `event_id` varchar(10) NOT NULL,
    `date` date NOT NULL,
    `cancel` int(11) NOT NULL DEFAULT '0'
)
```

```
CREATE TABLE `users` (
    `email` varchar(50) NOT NULL,
    `password` varchar(256) NOT NULL,
    `fname` varchar(30) NOT NULL,
    `lname` varchar(30) NOT NULL,
    `userlevel` varchar(10) DEFAULT 'u'
)
```

```
CREATE TABLE `wishlist` (
    `email` varchar(50) NOT NULL,
    `event_id` varchar(10) NOT NULL,
    `flag` int(11) NOT NULL
)
```

```
ALTER TABLE `event`
ADD PRIMARY KEY (`event_id`);
```

```
ALTER TABLE `ngo`
ADD PRIMARY KEY (`registration_id`);
```

```
ALTER TABLE `sign_up`  
ADD PRIMARY KEY (`email`, `event_id`);
```

```
ALTER TABLE `users`  
ADD PRIMARY KEY (`email`);
```

```
ALTER TABLE `wishlist`  
ADD PRIMARY KEY (`email`, `event_id`);
```

#### 4. Languages/frameworks used

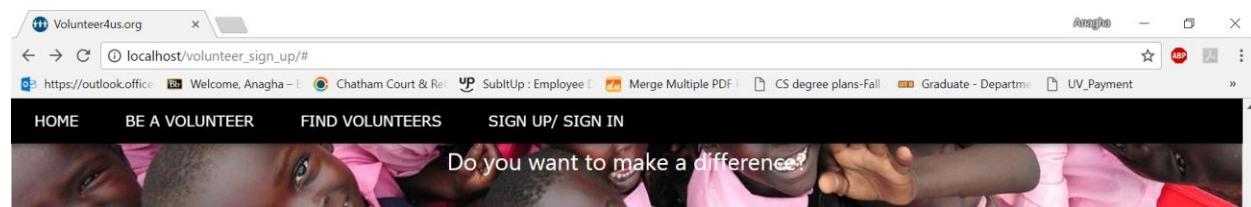
Client side: HTML, CSS, Bootstrap, JavaScript, jQuery, AJAX

Server side: PHP (MAMP)

Backend: MySQL

#### 5. Screenshots

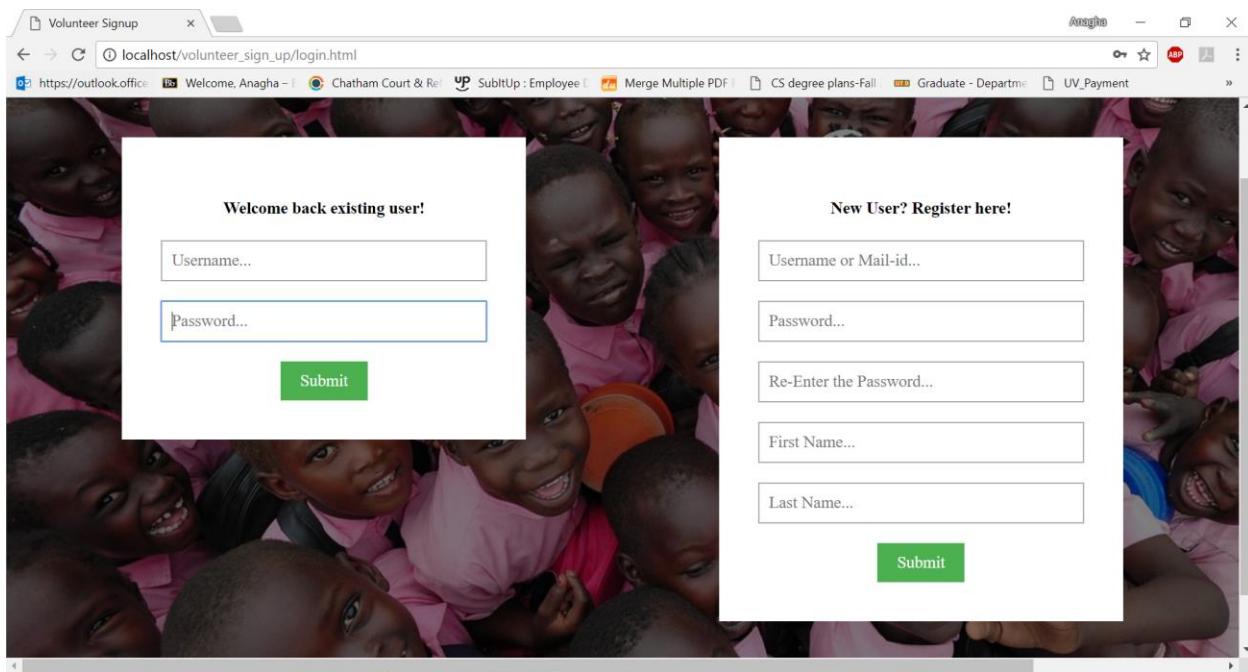
##### i. Home Page



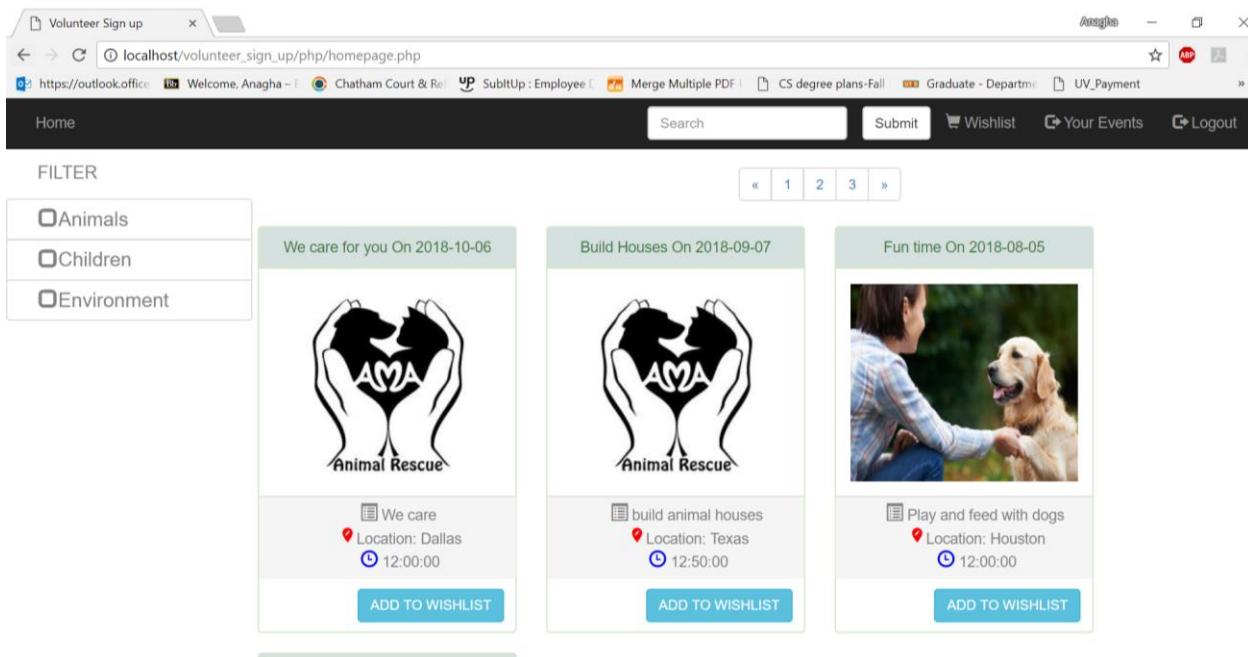
The screenshot shows a web browser window for 'Volunteer4us.org' at 'localhost/volunteer\_sign\_up/#'. The header includes a logo, a search bar, and several tabs. Below the header, there's a navigation bar with links for 'HOME', 'BE A VOLUNTEER', 'FIND VOLUNTEERS', and 'SIGN UP/ SIGN IN'. A large banner image features children's faces with the text 'Do you want to make a difference?'. The main content area has a heading 'BE A VOLUNTEER' and the question 'Are you excited about any of the listed opportunities?'. It then lists three categories with circular icons: 'Animals' (paw print), 'Children and Youth' (child silhouette), and 'Environment' (tree). Each category has a corresponding question below it.

Category	Description
Animals	Do you think we have a responsibility to make them feel home too?
Children and Youth	Do you wish to make an impact so as to shape the future of this country?
Environment	Are you concerned about Global Warming and its implications on the future?

ii. Login page



iii. User Login Page: User can view events, search, filter , Wishlist, view attending events and logout from this page



#### iv. Wish List

If the event is full or it is a past event , you cannot register for the event

Event ID	Name	Description	Date	Time	NGO	Venue	Remove from wishlist
200	We care for you	We care	2018-10-06	12:00:00	Wecare	Dallas	x

Sign up

#### v. User Sign up History

If the event is full ,you cannot register for the event

Event Name	Venue	Event Date
Give back	Dallas	2018-05-10
We care for you	Dallas	2018-10-06
Fun time	Houston	2018-08-05
Adopt a highway	Dallas	2018-08-05

Attending Events : If you want to cancel attending any event please mail us with your username and event details @ wecaretocare@gmail.com

vi. Admin Login Page: Can Delete events

The screenshot shows a web browser window titled "Admin Homepage" with the URL "localhost/volunteer\_sign\_up/php/adminpage.php". The page has a navigation bar with links: Home, User Interface, Add Event, Add NGO, NGO Details, Volunteer Details, and Logout. Below the navigation bar is a table displaying event details:

Event_id	Max_No	Description	Category	Date	Time	E_Name	Venue	Registration_Id	Delete
200	3	We care	animals	2018-10-06	12:00:00	We care for you	Dallas	100	<button>Delete</button>
26	2	build animal houses	animals	2018-09-07	12:50:00	Build Houses	Texas	1	<button>Delete</button>
3	1	Play and feed with dogs	Animals	2018-08-05	12:00:00	Fun time	Houston	1	<button>Delete</button>
30	40	March	Animals	2017-07-08	10:00:00	Cat Care	Dallas	1	<button>Delete</button>
6	20	Each one Teach one.	children and youth	2018-09-05	12:00:00	Educate	Irving	2	<button>Delete</button>

At the bottom of the page, there is a dark footer bar with the text "Admin Page".

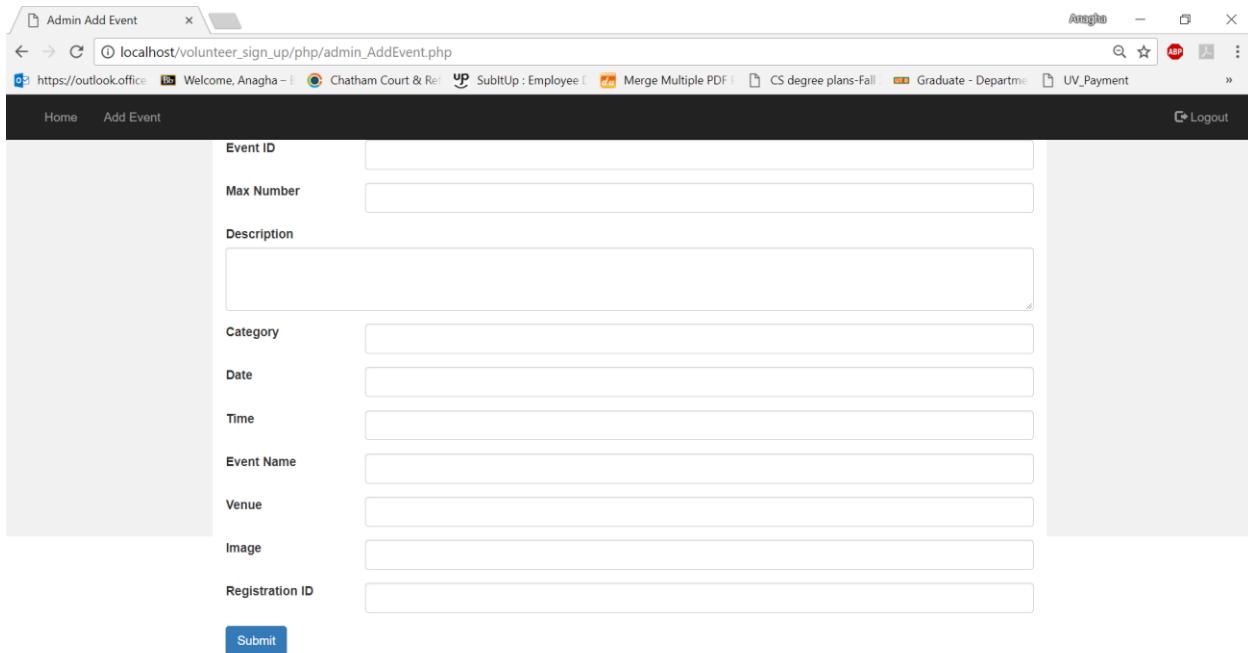
vii. Volunteer Sign up Details visible to admin: Can delete user sign up

The screenshot shows a web browser window titled "Admin Homepage" with the URL "localhost/volunteer\_sign\_up/php/volunteerdetails.php". The page has a navigation bar with links: Home and Logout. Below the navigation bar is a table displaying user sign-up details:

Email_id	Event_ID	Delete
asokanagha@gmail.com	1	<button>Delete</button>
asokanagha@gmail.com	200	<button>Delete</button>
asokanagha@gmail.com	3	<button>Delete</button>
asokanagha@gmail.com	4	<button>Delete</button>
rajatkoti@gmail.com	1	<button>Delete</button>

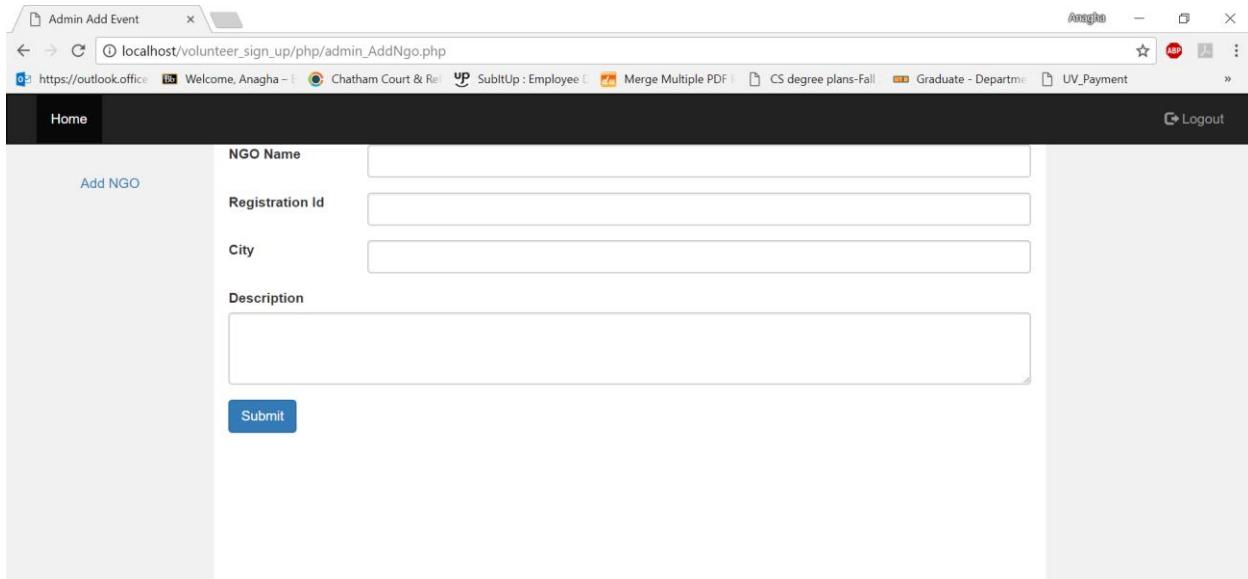
At the bottom of the page, there is a dark footer bar with the text "NGO List".

### viii. Adding Event portal for Admin



The screenshot shows a web browser window titled "Admin Add Event". The URL in the address bar is "localhost/volunteer\_sign\_up/php/admin\_AddEvent.php". The page has a header with "Home" and "Add Event" links, and a "Logout" link in the top right. The main content area contains fields for "Event ID", "Max Number", "Description", "Category", "Date", "Time", "Event Name", "Venue", "Image", and "Registration ID". A "Submit" button is located at the bottom left of the form.

### ix. Add NGO portal for Admin



The screenshot shows a web browser window titled "Admin Add Event". The URL in the address bar is "localhost/volunteer\_sign\_up/php/admin\_AddNgo.php". The page has a header with "Home" and "Add NGO" links, and a "Logout" link in the top right. The main content area contains fields for "NGO Name", "Registration Id", "City", and "Description". A "Submit" button is located at the bottom left of the form.

x. NGO Details page for admin: Can delete NGOs

Delete NGO	NGO_Name	Registration_ID	City	Description	Delete
	Animal Care Group	1	Dallas	We care you pet.	<input type="button" value="Delete"/>
	Wecare	100	Dallas	We work to help others.	<input type="button" value="Delete"/>
	For kids	2	Dallas	Help children	<input type="button" value="Delete"/>
	Nature Care	3	Dallas	Help Nature	<input type="button" value="Delete"/>

## 6. Work division among team members

All team members were actively involved in the whole design. We discussed the whole idea and came up with the design as a team. Each member was involved in debugging and fixing issues of the whole project. Following is an approximate split of work. The work carried out by each member were mainly these but not limited to only these.

### Anagha Asok

- Implemented user functionalities like search, filter, adding to and deleting from Wishlist, Maximum sign up for each event and viewing sign up history.
- Focused on front-end design of the webpage and design of database including insertion, updating and deletion to and from database

### Rajat Koti

- Implemented admin functionalities like viewing, adding and deleting events and NGO.
- Focused on Back-end design, ER diagram, Normalization and other design parameters.
- Implemented general functionalities like log-out, db-connect and navigation within admin pages and came up with design ideas like soft delete.

### Swetha Ramaswamy

- Implemented admin functionality to delete volunteers.
- Focused on the front-end design of web page and applied styling using boot strap to all pages to provide professional look and made the pages responsive.
- Came up with design ideas like special sign up for admin and maximum sign up check by querying the database.