



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 |
|-----------------|--------|-------------|----------|------|------|--------|-------|-----------------|------|-----|

ngo

| | | | | |
|----------|------------------------|------|-----------------|------|
| ngo_name | <u>registration_id</u> | city | description_ngo | flag |
|----------|------------------------|------|-----------------|------|

sign_up

| | | | |
|--------------|-----------------|------|--------|
| <u>email</u> | <u>event_id</u> | date | cancel |
|--------------|-----------------|------|--------|

users

| | | | | |
|--------------|----------|-------|-------|-----------|
| <u>email</u> | password | fname | lname | userlevel |
|--------------|----------|-------|-------|-----------|

wishlist

| | | |
|--------------|-----------------|------|
| <u>email</u> | <u>event_id</u> | flag |
|--------------|-----------------|------|

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

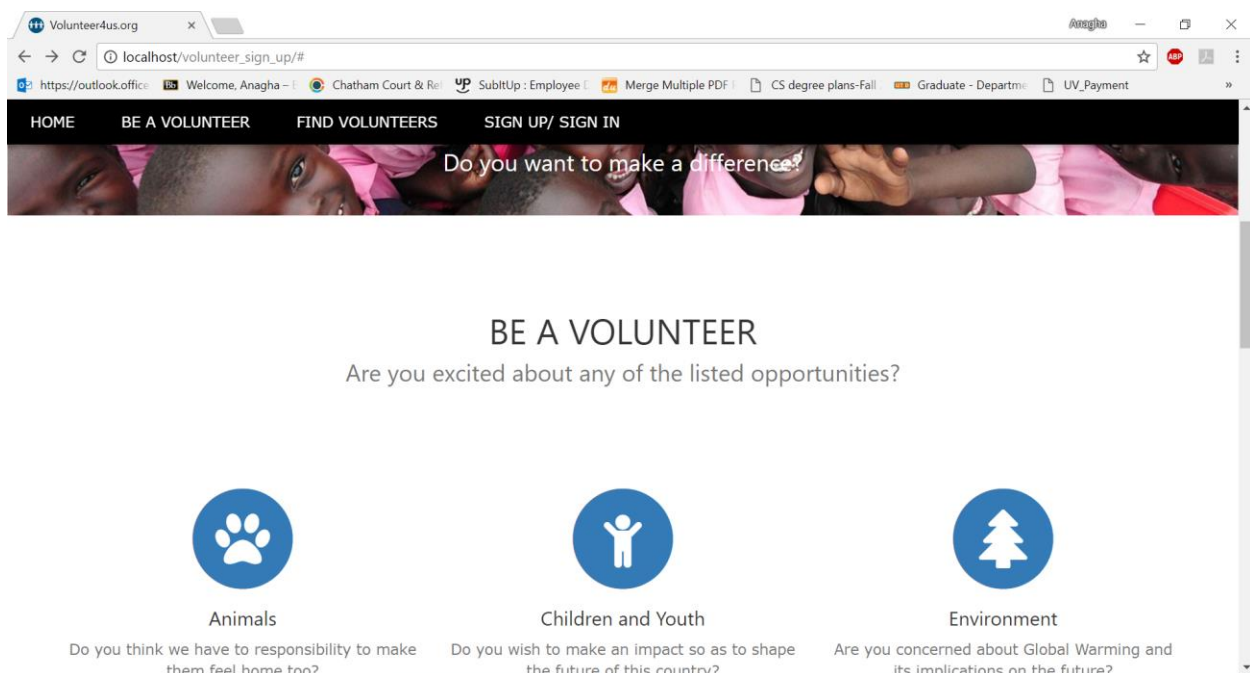
Client side: HTML, CSS, Bootstrap, JavaScript, jQuery, AJAX

Server side: PHP (MAMP)

Backend: MySQL

5. Screenshots

i. Home Page



ii. Login page

Volunteer Sign up

localhost/volunteer_sign_up/login.html

https://outlook.office | Welcome, Anagha - | Chatham Court & Res | SubitUp : Employee | Merge Multiple PDF | CS degree plans-Fall | Graduate - Departme | UV_Payment

Welcome back existing user!

Username...

Password...

Submit

New User? Register here!

Username or Mail-id...

Password...

Re-Enter the Password...

First Name...

Last Name...

Submit

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

Volunteer Sign up

localhost/volunteer_sign_up/php/homepage.php

https://outlook.office | Welcome, Anagha - | Chatham Court & Res | SubitUp : Employee | Merge Multiple PDF | CS degree plans-Fall | Graduate - Departme | UV_Payment

Home Search Submit Wishlist Your Events Logout

FILTER

☐ Animals

☐ Children

☐ Environment

« 1 2 3 »

We care for you On 2018-10-06

AMA Animal Rescue

We care

Location: Dallas

12:00:00

ADD TO WISHLIST

Build Houses On 2018-09-07

AMA Animal Rescue

build animal houses

Location: Texas

12:50:00

ADD TO WISHLIST

Fun time On 2018-08-05

Play and feed with dogs

Location: Houston

12:00:00

ADD TO WISHLIST

iv. Wish List

Wish list

localhost/volunteer_sign_up/php/event.php

Home Logout

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 | We care | Dallas | x |

Sign up

Wishlist

v. User Sign up History

Shopping Cart

localhost/volunteer_sign_up/php/signed_up_events.php

Home Logout

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

Admin Homepage

localhost/volunteer_sign_up/php/adminpage.php

Home User Interface Add Event Add NGO NGO Details Volunteer Details Logout

| 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 | Delete |
| 26 | 2 | build animal houses | animals | 2018-09-07 | 12:50:00 | Build Houses | Texas | 1 | Delete |
| 3 | 1 | Play and feed with dogs | Animals | 2018-08-05 | 12:00:00 | Fun time | Houston | 1 | Delete |
| 30 | 40 | March | Animals | 2017-07-08 | 10:00:00 | Cat Care | Dallas | 1 | Delete |
| 6 | 20 | Each one Teach one. | children and youth | 2018-09-05 | 12:00:00 | Educate | Irving | 2 | Delete |

Admin Page

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

Admin Homepage

localhost/volunteer_sign_up/php/volunteerdetails.php

Home Logout

| Email_id | Event_ID | Delete |
|----------------------|----------|--------|
| asokanagha@gmail.com | 1 | Delete |
| asokanagha@gmail.com | 200 | Delete |
| asokanagha@gmail.com | 3 | Delete |
| asokanagha@gmail.com | 4 | Delete |
| rajatkoti@gmail.com | 1 | Delete |

NGO List

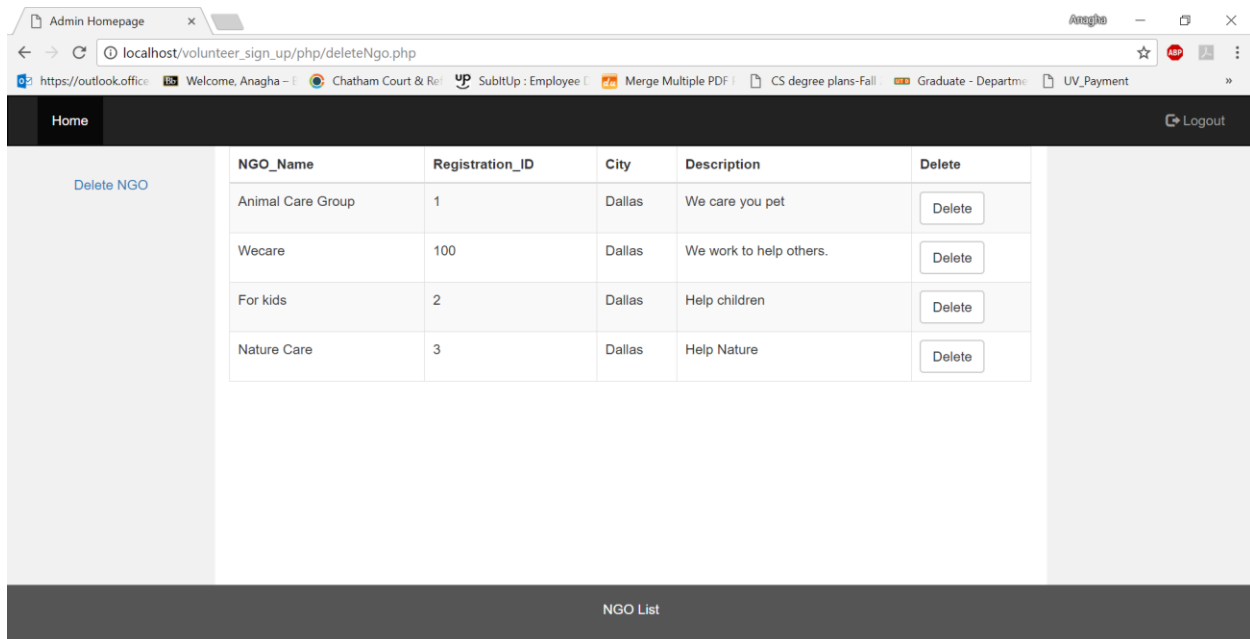
viii. Adding Event portal for Admin

The screenshot shows a web browser window with the URL `localhost/volunteer_sign_up/php/admin_AddEvent.php`. The browser's address bar and tabs are visible at the top. The page has a dark header bar with the text "Admin Add Event" on the left and "Logout" on the right. Below the header, the main content area contains a form with the following fields: "Event ID", "Max Number", "Description" (a larger text area), "Category", "Date", "Time", "Event Name", "Venue", "Image", and "Registration ID". Each field is represented by a white input box. At the bottom of the form is a blue "Submit" button.

ix. Add NGO portal for Admin

The screenshot shows a web browser window with the URL `localhost/volunteer_sign_up/php/admin_AddNgo.php`. The browser's address bar and tabs are visible at the top. The page has a dark header bar with the text "Admin Add Event" on the left and "Logout" on the right. Below the header, the main content area contains a form with the following fields: "NGO Name", "Registration Id", "City", and "Description" (a larger text area). Each field is represented by a white input box. At the bottom of the form is a blue "Submit" button.

x. NGO Details page for admin: Can delete NGOs



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.