**Non-Profit Bookkeeping**

**Product Description**

The goal of this project is to develop software for a computer-based management of various bookkeeping tasks for a non-profit which seeks donations from donors, volunteers, and holds programs and events in which to gain donations and spread community awareness of their campaigns.Along with these features, the software will also allow for the generation of various reports in order to analyze the success of their programs and events. There will be a calendar view of events and programs that all users will be able to view.

There are five unique roles, or types, of users of this software: administrators, donors, volunteers, participants, and guests. Guests are the only one of these user types which do not require an account with the site.

Guests do not need an account to use the site and therefore will have some restricted functionality – only being able to view when events are taking place and some details about the event, and they will also have the option to create an account and become a volunteer, donor, or participant.

Participants are able view when events are taking place and other details about events, and are able to register to participate at events through the site. Particpant users will also have the option to receive emailed reminders about events. Participants are able to become donors and/or volunteers.

Volunteers are able to sign up to volunteer at events, and select from given options for a particular event for what they are going to be doing at that event. Volunteers have the option to receive email reminders about upcoming events, and are also able to become a donor. Through having a role of a volunteer, the user also automatically has the role of participant as well, so that they may attend events without volunteering or donating (if they have chosen to be a donor).

Donors are able to view when events are taking place and other details about events. Donors can donate to a specific event or a program in general. Donations can be restricted or unrestricted. Through having the role of a donor, the user also automatically has the role of a participant as well. Donors can choose to become volunteers if they would like.

Administrators are able to view when events are taking place and all other details about events. Administrators are able to create, update, and delete events and programs, invite other users to become an administrator, update any user, delete or deactivate any user. Through having a role of administrator, the user also autimatically has the role of a particpant as well. Administrators are able to assign volunteers to an event or program, and are able to assign and reassign volunteers to a specific task at an event. These users are able to become volunteers and/or donors as well. Administrators are also have some more advanced searching features – being able to perform searches on volunteers and where they are working and things of this nature – and administrators are also able to run reports to find out various metrics on events, programs, donations, and volunteers.

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| **Deliverable** | **Estimated Time** | **Actual Time** |
| Decide on reports that are desired to be run and have idea for how reports will be displayed | 2 days |  |
| Design database | <= 3 days |  |
| Create database | < 1 day |  |
| Create Laravel project | < 1 day |  |
| Connect database to Laravel | < 1 day |  |
| Create AngularJS project | < 1 day |  |
| Connect Laravel and Angular | <1 day |  |
| Ability to create a user via backend (ensures database working) | 1 day |  |
| Basic design of frontend | 3-4 days |  |
| Creation of basic Angular components based on frontend design | 1-2 days |  |
| Ability to create Participant | 4 days |  |
| Ability to create Volunteer | 2 days |  |
| Ability to create Donor | 2 days |  |
| Ability to create Administrator | 5 days |  |
| Ability to create Program | 1-2 days |  |
| Ability to create Event | 1-2 days |  |
| Integration of a calendar library for JavaScript | 7 days |  |
| View of site when not logged in | 4 days |  |
| View of site when logged in as Participant | 1-2 days |  |
| View of site when logged in as Volunteer | 3 days |  |
| View of site when logged in as Donor | 3 days |  |
| Functionality of site when logged in as Participant | 2 days |  |
| Functionality of site when logged in as Volunteer | 4 days |  |
| Functionality of site when logged in as Donor | 4 days |  |
| View of Administrator | 4 days |  |
| Functionality of Administrator | 8 days |  |
| Decide how reports will be displayed – draw out rough sketches | 3 days |  |
| Integrate any 3rd party libraries needed for the reports | 3 days |  |
| Implement ability to run reports for Administrators | 10 days |  |
| Create the graphs and interface for displaying reports | 5 days |  |
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Admin Role

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CRUD operations on all roles – even other admins

Be able to create a Program, and events for that program

who is in charge of event

positions available to even to work

able to assign volunteers to tasks at event if need be

able to remove or re-assign users to tasks at event

have more advanced searching features

run reports

User

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each user must have a unique, and valid, email address.

When a user creates an account an email is sent to the email that they provided and the user must click on this link to activate their account.

Users have various roles depending on what they would like to do, or are permitted to do within the organization. The roles that a user with an account can have are: volunteer, donor, and administrator.

To create a user with the role of an adminstrator, a user who is already an administrator will be able to generate a URL with the push of a button which will be valid for 24 hours and can be shared with the person who is desired to be an administrator. That person will be brought to a page to set up their account with an administrator role.

User

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email

firstname

lastname

address/zip code

phone number

avatar (optional)

age (optional)

gender (optional)

workplace (optional)

Participant Role

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able to register/RSVP for events online

able to get email reminders about events

can receive awards?

Event Attendance

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can attend as participant in event

can attend as volunteer

can attend as donor

a user can be one or more than one (or all) of the above for an event

Track who donated to program

- so each even is tied to a program, and then when you donate to a particular event, that is tied to a particular program and thus a report can be done on this.

Program

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A program is a campaign. It is the overall mission that the organization is pursuing at a given time. There can be more than one program/campaign.

Event

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properties: name, date, time start, time end, who is running it, events in it (tickets, meal or meals, etc.)

Volunteer

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email notification at certain date/time to remind of event

Donor

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payment method