## DuPage County Area Project

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## Introduction

DuCap Mission Statement:

“Uniting families within communities to resources, services and education that will provide a positive impact to their daily lives and further promote a healthy environment in which children can live and grow successfully….”

The DuCap organization has created a database driven website using SQL to store and maintain data on all people who have signed up to participate in volunteering events for the county. Based on where this project was left off at the end of Fall 2016 semester, a number of features are still missing from what is expected out of this PHP script ran website. The website is expected to provide a number of features to users such as the ability to register with DuCap, sign up through a registration form for events to either participate or volunteer in, adjust their personal information and complete an attendance sheet for events. For administrators, the website must provide abilities to access and change information on admin and user accounts, modify any information regarding events, event participants, event volunteers and event sites and lastly, be able to create readable monthly reports summarizing all the event and user information that took place.

## Statement of Work

Notes left from the previous team layout what must be done in order to complete this project. The four major objectives left for the project include volunteers, administrators, participants and a home page:

1. Volunteers
   1. Must rewrite the Volunteer Registration pages (starting with volunteerRegistration.php) to reflect the current table design for Volunteers in the database. The Child Registration pages will be used as a template to complete this section.
   2. Creating a verifyVolunteerData function in the DB class (DB.class.php) that will receive the input from the form. It should sanitize the data, verify it, and either insert it into a new Volunteer row or find and update an existing one. We will use the verifyParticipantData function as a template.
   3. Logged-in volunteers will be able to take attendance for events, but only for the sites they are registered for. This will be accomplished through the creation of a Volunteer Control Panel page that will link to the second Attendance page (attendance2.php) and pass it the volunteer's site\_id value.
2. Administrators
   1. Must complete the pages for the Administrator Control Panel so logged-in administrators can have full control over the database from the website. Pages will be added to update and remove volunteers.
   2. There will be pages that display printable formatted data, such as a list of all the DuCap sites and their addresses as well as a list of all upcoming events and their information.
   3. A page is to be created that will generate monthly reports on DuCAP's activity.
3. Participant Registration
   1. We will create a separate downloadable registration form that users can print out. We understand that people may prefer to fill out the form on paper and give it to DuCAP in person so the ability to make it printable is necessary. The current registration form in the Initial Documents folder will be used as a reference to complete this and will also there will be a link created to it on the home page.
   2. Will create and provide a legally-binding option to obtain a legal guardian's initials and signature on the final page of the registration form, after the various release information.
4. User Interface
   1. A home page will be created that looks modern and contains links to various information about DuCAP as well its numerous events and impact on the community. It will have very clear links that leads users to where they can Register as a Participant as well as where and how they can apply to volunteer.
   2. A number of minor text and theme improvements will be implemented in order for the website to be as pleasing to the eye as possible.

## Outcomes

By completing this project our team will learn how to most effectively manage and complete coding tasks, manipulate a SQL database through PHP communication, how to accomplish the goals of potential clients and gaining the experience of coding in a real world environment.