**Programmer’s Documentation**

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README  
 Installation guide & login information  
  
Web Pages  
  
**Folder: GIVECenter/**  
  
LoginPage.php  
 Login to the website as admin or guest.  
Homepage.php  
 Contains Advanced Search, Quick Search, dynamic program & agency list

Navigation to other sections of the website (including Administration option with

proper credentials). Also contains Program Results page from Search features which is shown and hidden by Javascript functions as needed.

BrowseAll.php  
 Lists all Programs & Agencies. When one is selected, redirects back to the

program results view of Homepage.php

helpPage.html  
 Shown on both Search & Results view of Homepage. Consists of pop-up window to

assist user in navigating the features of the website.

Admin.php

Access available only to users logged in with admin credentials. Shows pop-up to warn user that they are now in the “Admin” section of the website to prevent accidental changes to the database entries. Includes options to change the banner, add a new program, add a new agency, edit an existing program, or edit an existing agency. Redirects to EditPage.php with appropriate data if user selects to add or edit the database entries. Redirects to displayBanners.php if user selects to “Choose a previous banner”.

EditPage.php

Contains text fields of all entries in database associated with a program or agency.

Information for existing programs / agencies is populated upon load if the user selects “edit” from Admin.php. Allows user to add, edit and delete entries in the database. Selecting “Delete Agency / Program” will prompt user to confirm permanent deletion of the entry.

DisplayBanners.php

Displays all images previously uploaded as banners and a button to select each as the current website banner.

Client-Side Code  
  
**Folder: js/**  
Navigation.js

Contains all client-side code. Used to parse the information table sent from the database, contains the Javascript GIVE object definitions, all the web page onload functions, and functions to show/hide elements on the screen as needed. Used in virtually every page.

Server-Side Code  
  
**Folder: GIVECenter/**  
add\_edit.php

Used for calling all update and creation functions that are tied directly to the editpage.php file.

**Folder: php/GIVE/**  
GIVEAddr.php

Contains the PHP definition of the address object. Represents an agency’s or program’s local address. Used to structure data server-side before sending client-side.

GIVEAgency.php

Contains the PHP definition of the agency object. Contains fields for its id, name, description, address, a list of associated programs, and a professional contact person. Used to structure data server-side before sending client-side.

GIVEIssues.php

Contains the PHP definition of the issues object. Represents a finite set of issues or interests that may draw potential volunteers to the program. Examples include Animals, Elderly, Fine Arts, and Technology. Used to structure data server-side before sending client-side.

GIVEProContact.php

Contains the PHP definition of the professional contact object. Represents a professional individual that that serves as a liaison between the agency or program and the GIVE Center. Used to structure data server-side before sending client-side.

GIVEProgram.php

Contains the PHP definition of the program object. Has fields for the program id, name, a list of hours and seasons during which the program is active, and a list of issues pertaining to the program. Used to structure data server-side before sending client-side.

GIVEStudentContact.php

Contains the PHP definition of the student contact object. Represents a student on campus in charge of coordinating student activities. Used to structure data server-side before sending client-side.

GIVEToHTML.php

Contains the PHP definition of the functions GIVEFetchAndEcho and GIVEAgenciesToHTMLTable. These functions are responsible for formatting information from the database and writing that data to a hidden table inside the document. This table is then parsed and the data contained therein rebuilt as Javascript objects.

GIVEStudentContact.php

Contains the PHP definition of the student contact object. Represents a student on campus in charge of coordinating student activities. Used to structure data server-side before sending client-side.

IncludeAll.php

Convenience file which includes all other GIVE object files, thus including this file will automatically include all others in the folder.

**Folder: php/ini/**  
cred\_manipulation.php

Contains functions for adding new users to the system, removing old users, and checking if users currently exist in the system. Primarily used to validating login credentials.

GIVECenterIni.php

Contains constants for the username and password required to login to the database, as well as the username and password for admin and guest accounts. Edit this file as needed to ensure proper database connections can be established.

**Folder: php/MySQLDatabase/**  
MySQLDatabaseConn.php

Serves as a wrapper around the PHP MySQL library functions to allow object-oriented behavior. Contains member functions to execute SQL queries, return result sets in a number of formats, and returning error codes.

MySQLDatabaseConnException.php

Exception class thrown during the constructor of the MySQLDatabaseConn if something should the username or password be invalid, the database does not exist on the server, or a connection simply cannot be established.

MySQLException.php

Exception class serving as the base class for MySQLDatabaseConnException and MySQLQueryFailedException.

MySQLQueryFailedException.php

Exception class thrown should there be an error in an SQL statement executed against the database.

**Folder: php/Session/**  
Login.php

Script used to validate login credentials from LoginPage.php. LoginPage.php redirects to this page then this page redirects back to LoginPage.php should the login fail, or to Homepage.php should the login succeed.

Logout.php

Script used to log out from the system, thus requiring another login should the user wish to continue using the software.

**Folder: sql/add/**  
create\_new\_addr.php  
 Function is used for creating a new entry in the database for an address for either   
 a program or agency.  
create\_new\_agency.php  
 Function is used for creating a new agency in the database.  
create\_new\_hours.php

Function is used to create new entries in the program hours table which links programs to their hours.

create\_new\_issue.php

Similar to hours, it creates new entries in the program issues table based off of program and the issues tables.

create\_new\_p\_contact.php

Function creates a new contact for either an agency or a program.

create\_new\_program.php

Function creates a new program in the database and populates pointers based on the other objects.

create\_new\_s\_contact.php

Function creates new student contact for programs, and also creates an entry into the contact history tables.

create\_new\_season.php

Function creates new season similarly to the hours and issues functions do, based upon the seasons table.

**Folder: sql/import/**  
give\_info/

Holds all the information that we received from the GIVE Center to put in the database ourselves

old database backups/  
 Folder holds none current backups of database data.  
patches/

Folder holds patches and fixes for small edits to the database as it has changed from its original design.  Nothing worth mentioning individually.

give\_db\_backup\_7.sql  
 Latest backup of database.  
import.csv  
 staging file for the importing of all the give center data, organized by program.  
import\_give.php  
 Uses import.csv to create and move all the data we had into the database.  
  
**Folder: sql/object\_creater/**  
create\_addrs.php  
 Gets information from database, then creates it into an object for loading to JS.  
create\_agencies.php  
 Gets information from database, then creates it into an object for loading to JS, but   
 the agency is what holds all its nested objects inside it.    
create\_hours.php  
 Gets information from database, then creates it into an object for loading to JS.  
create\_issues.php  
 Gets information from database, then creates it into an object for loading to JS.  
create\_p\_contacts.php  
 Gets information from database, then creates it into an object for loading to JS.  
create\_programs.php

Gets information from database, then creates it into an object for loading to JS.  Also holds nested obejcts.

create\_s\_contact\_history.php  
 Gets information from database, then creates it into an object for loading to JS.  
create\_s\_contacts.php  
 Gets information from database, then creates it into an object for loading to JS.  
create\_seasons.php

Gets information from database, then creates it into an object for loading to JS.

object\_creator.php  
 Holds all include statements.  
**Folder: sql/queries/**  
camel.php  
 Holds ascii art to notify of errors.  
queries.php

Holds random queries, such as to get the paths to all the banners for picking an old one.

**Folder: sql/remove/**  
remove\_addr.php  
 Remove all addr entries for program.  
remove\_agency.php  
 Remove agency, but only if not programs associated.  
remove\_hours.php  
 Remove all hoursentries for program.  
remove\_issue.php  
 Remove all issuesentries for program.  
remove\_p\_contact.php  
 Remove specific p contact for program.  
remove\_s\_contact.php  
 Remove specific s contact for program.  
remove\_program.php  
 Remove specific program.  
remove\_season.php  
 Remove all season entries for program.  
super\_remover.php  
 Calls all the above functions in orderly fashion.  
  
**Folder: sql/setup/**  
purge\_info.sql  
 remove all data from database for testing.  
create\_db.sql  
 Create database if doesn’t exist to house data.  
create\_hours\_and\_seasons.sql  
 create tables and upload respective data.  
create\_tables.sql  
 Script creates all tables with specific fields.  
create\_users.sql  
 creates user to do work on database outside give login.  
  
**Folder: sql/update/**  
update\_banner.php  
 Upload new banner  
update\_banner\_old.php  
 Seek old banner and upload it.  
update\_generic.php  
 Used to upload most fields for programs and agencies.  
update\_hours.php  
 Destroy current and create new.  
update\_issues.php  
 Destroy current and create new.  
update\_season.php  
 Destroy current and create new.