

MHAA-USNR System

A Dynamic Website for Alumni Association

By team

Antivirus



MONTCLAIR STATE
UNIVERSITY

MHAA-USNR System Implementation-Plan

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Document Revision History

Name	Date	Reason for Changes	Version
Shada Kanneh	October 22, 2020	First Release	1.0
Iman Almutairi	November 25, 2020	Add Implementation progress	1.1
Aseel Aloweivi	November 27, 2020	Add content	1.2

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2 Introduction

“MHAA-USNR” system is a dynamic website that will be designed and built to serve the needs of the Maggotty High Alumni Association - US Northern Region. The “MHAA-USNR” website will aim to facilitate the Association’s targeted objectives and provide the website’s visitors/users with an easy and simple way to benefit from the organization’s offered services.

2.1 Purpose of the System

The Maggotty High Alumni Association website will be available for public use through the web interface. Users will be updated regarding the school’s news, register for events, and make donations. The organization’s officers of the Maggotty High School Alumni association will have control over the system. Officers will be able to create events and update school news. The system promises to deliver its users an easy payment and donation process by providing most known payment methods (credit cards, debit card and PayPal). The website will display a background history of the school and will provide visitors with information on how the donations contribute to developing a better learning environment for the school’s students.

2.2 Project Goals

This project aims to offer a user-friendly website that will enable its users to easily navigate through the website and utilize the provided features of the system such as event registration and fund donations. Another goal of this project is to offer the school’s officers the ability to create events and add news.

2.3 Purpose of the Current Document

This document outlines the modules and features of the MHAA-USNR system in terms of how these modules’ elements and functions are programmed and integrated. In addition, this document identifies the scope of work for the implementation process and the programs and tools used to achieve its objectives.

3 Objectives

The implementation aim is to bring to life the functional requirements and the specified design for the MHAA-USNR system. The MHAA-USNR system will be programmed to achieve the following:

1. The MHAA-USNR system will be a dynamic website that allows for content change in specified pages.
2. The website must follow the agreed upon design approach.
3. To create a maintainable and adjustable website.
4. To deliver a reliable program that covers at least 85% of the agreed upon functionalities and features.

4 Scope of work

The system will be implemented with 3 different levels of authorizations:

A. User view

This level of authorization must be available for all users whether they are visitors or officers. Users at this level of authorization must be able to gain the following privileges:

- Ability to **view** the MHAA-USNR pages and **navigate** between them using the “Navigation Bar” and the “Bottom Section”. **List of pages to be implemented:**
 - Homepage
 - History
 - Alumni News page and News Information
 - Events; Upcoming and Previous and the corresponding event information
 - Donations
 - Officers
 - FAQs
- Ability to **register** and **pay** for an upcoming event via the website and complete the registration process successfully.
- Ability to donate funds via the website and complete a donation transaction successfully.

B. Officers View

This level of authorization must be available for officers only. At this level of authorization, the officer must be able to gain the following privileges:

- User view privileges specified in item (A. User View).
- Ability to **login** and **logout** of the Officers View.
- Ability to **add** via the website up to 5 **News** records and reflect them with their corresponding information on the Alumni news page.
- Ability to **delete** via the website any existing **News** record and its corresponding information.
- Ability to **add** via the website up to 5 **Upcoming-Events** records and reflect them with their corresponding information on the Events Page.
- Ability to **delete** via the website an **Upcoming-Event** record -If there are no register attendees- and its corresponding information.
- Ability to add via the website up to 5 Previous-Events records and reflect them with their corresponding information on the Alumni Events page.
- Ability to **delete** via the website any existing **Previous-Event** record and its corresponding information.

C. Administrator View

This level of authorization must be available for the Administrator only. At this level of authorization, the administrator must be able to gain the following privileges:

- User view privileges specified in item (A. User View).

- Officer View privileges specified in item (B. Offices View).
- Ability to **change** via the website the displayed paragraph in the **Homepage**.
- Ability to **change** via the website the displayed paragraph in the **History** page.
- Ability to **change** via the website the Email **address**, **Phone** number and **Location** information under **Contact Us** in the “Bottom Section”.
- Ability to **change** up to 5 questions and answers in the **FAQs** page.

5 Implementation Approach

- The MHAA-USNR system design approach is to identify three levels of authorization and then allow different content and controls (Action buttons) depending on each level of authorization.
- All changes made on the website by officers and/or the administrator will be replaced in database, and upon browser refresh it will be reflected on the website.

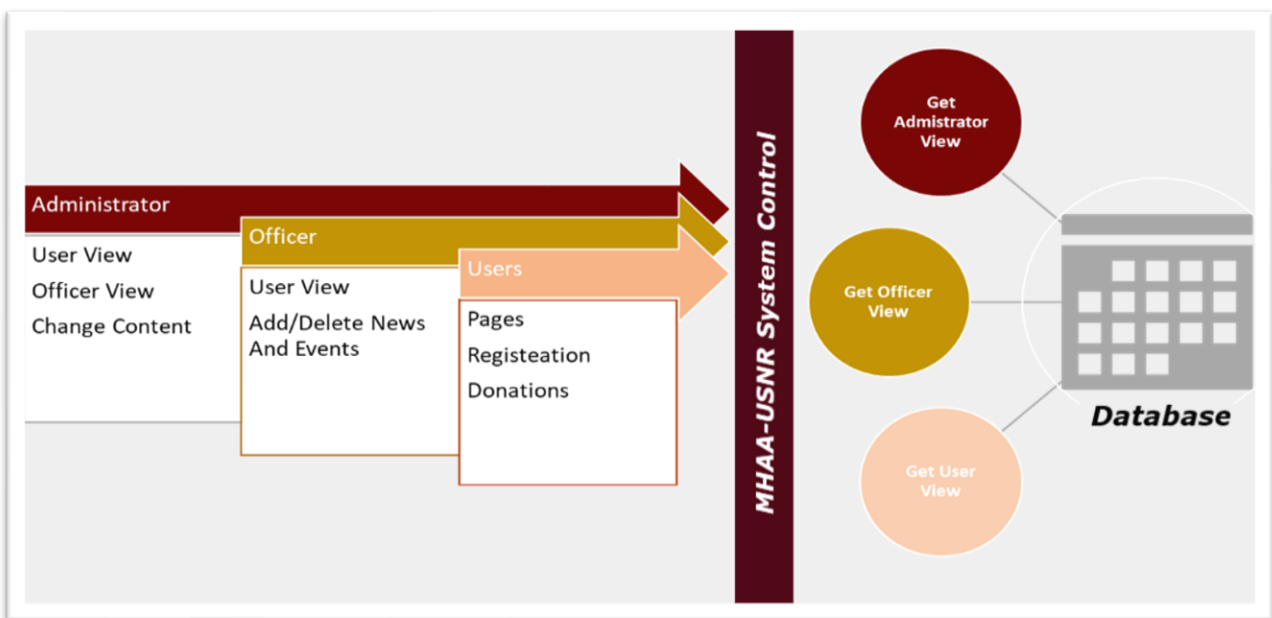


Figure 1 MHAA-USNR Design Concept

6 Tools and programs

The MHAA-USNR will be hosted on Apache Web Server. The system will be using PHP as the Server-side web scripting language and MySQL as the Database Management System.

- The coding languages that will be used to implement this project are:
 1. PHP
 2. HTML
 3. CSS
 4. SQL
- The programs that will be used to implement this project are:
 1. XAMPP
 2. Komodo IDE

7 Modules to be Implemented

For each model listed below, please refer to the Design document (MHAA-USNR-Dynamic-Website-Design-Document.docx) section specified in the table for the **completion criteria**.

NO.	Module Name	Description	Language	Completion criteria	Progress	Unit Testing Result	Programmer
1.	Static Pages	<ul style="list-style-type: none"> ▪ Homepage ▪ History ▪ Alumni News ▪ Events ▪ Officers ▪ Donations ▪ FAQs 	HTML, PHP, CSS	5 Unified Pages Look	100%	Success	Aseel Aloweivi
2.	Navigation	Ability to view and access website pages	HTML, PHP, CSS	5 Unified Pages Look	100%	Success	Aseel Aloweivi
3.	Event Registration Process	Ability to register and pay for an event via the website's Upcoming-Event information page	HTML, PHP, CSS	10.1.2 Event Registration	80% (The system still needs to confirm "Event Date" not Expired and sends an email to confirm the registration process)	Success	Aseel Aloweivi

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4.	Donation Process	Ability to donate funds to the clients specified bank account via the website Donation page.	HTML, PHP, CSS	12 Donations	90% (System needs to send a confirmation email)	Success	Aseel Aloweivi
5.	Payment integration	Allows the user to use Visa card and Mastercard to post a payment for the association.	HTML, PHP, CSS	10.1.2.2 Payment Information Form	50% (System needs to detect the card type and communicate with the related company).	Fail	Aseel Aloweivi
6.	PayPal integration	Allows the user to login to his/her PayPal account via the website and post a payment for the association.		10.1.2.2 Payment Information Form	0%	Fail	Aseel Aloweivi
7.	Login	Allows officers to gain "Officers View" and the administrator to gain "Administrator View"	HTML, PHP, CSS	11.1 Officers Login	100%	Success	Aseel Aloweivi
8.	Forget Password	Allows Officers change the password required for login	HTML, PHP, CSS	11.2	50%	Fail (Email sending failed).	Aseel Aloweivi
9.	Forget Username	Allows Officers to retrieve their associated MHAA-USNR system username.		11.3	0%		Aseel Aloweivi

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10.	Logout	Allows officers and the administrator to logout of the system and go back to the "User View".	HTML, PHP, CSS	11.1 Officers Login	100%	Success	Aseel Aloweivi
11.	Add News Process	Allows Officers/Admin to reflect a News record and its information on the Alumni News page	HTML, PHP, CSS	9.2.1 Add News Record	100%	Success	Aseel Aloweivi
12.	Delete News Process	Allows Officers/Admin to remove a News record and its information from the Alumni News page	HTML, PHP, CSS	9.2.2 Delete News Records	100%	Success	Iman Almutairi
13.	Add Upcoming Event Process	Allows Officers/Admin to reflect an Upcoming-Event record and its information on the Events page	HTML, PHP, CSS	10.2.1 Add Upcoming-Event	100%	Success	Aseel Aloweivi
14.	Delete Upcoming-Event Process	Allows Officers/Admin to remove an Upcoming-Event record and its information from the Events page	HTML, PHP, CSS	10.2.2 Delete Upcoming-Event Record	100%	Success	Iman Almutairi

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15.	Add Previous-Event Process	Allows Officers/Admin to reflect a Previous - Event record and its information on the Events page	HTML, PHP, CSS	10.4.1 Add Previous-Event	100%	Success	Aseel Aloweivi
16.	Delete Previous-Event Process	Allows Officers/Admin to remove a Previous-Event record and its information from the Events page	HTML, PHP, CSS	10.4.2 Delete Previous-Event Record	100%	Success	Iman Almutairi
17.	Change Homepage	Allows the administrator to change the paragraph displayed in the Homepage	HTML, PHP, CSS	14.1 Administrator View	100%	Success	Aseel Aloweivi
18.	Change History	Allows the administrator to change the paragraph displayed in the History page	HTML, PHP, CSS	14.1 Administrator View	100%	Success	Aseel Aloweivi
19.	Change Contact Us	Allows the administrator to change the Contact us information displayed in the "Bottom Section"	HTML, PHP, CSS	14.1 Administrator View	100%	Success	Aseel Aloweivi
20.	Change FAQs	Allows the administrator to change the questions and the answers displayed in the FAQs page.	HTML, PHP, CSS	14.1 Administrator View	100%	Success	Aseel Aloweivi
21.	Email Notifications	System issues email		13	0%	Fail	Aseel Aloweivi

		notification on trigger					
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8 MHAA-USNR System Code

For the system code (PHP files) refer to the package and extract the “Alumni” file.

9 Release Notes

- Refer to section (7. Modules to be implemented), all modules with status “Fail” are to be deployed in version 2.0.
- MHAA-USNR website is currently operating with the listed modules in section (7. Modules to be implemented) as status “Success” on Google Chrome browser.
- The following table contains any necessary data for operating the system.

Username	Password	Function
Administrator	AliceInWonderLand	A login with this combination of username and password will enable administrator-view privileges.
mhaa-aseel.al1	JordanAmman90	A login with this combination of username and password will enable administrator-view privileges.
mhaa-mira.bo2	EgyptCairo97	A login with this combination of username and password will enable administrator-view privileges.
mhaa-shada.kh3	shadaKhanneh123	A login with this combination of username and password will enable administrator-view privileges.
mhaa-iman.al4	imanAlmtairi1234	A login with this combination of username and password will enable administrator-view privileges.
Mhaa-amal.al5	amalAlamri1234	A login with this combination of username and password will enable administrator-view privileges.