



# **PHP Special Project**

## **WCMS**

### **Document Specifications**

**Version 3.2**

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    Implementation – 90% ..... 8

        Code –80% ..... 8

        Website: 30% ..... 8

        Admin Panel: 70% ..... 8

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## Introduction

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The purpose of this specification is to define the requirements and developments of the WCMS PHP Application. A web content management system (WCMS) is a software system that provides website authoring, collaboration, and administration tools designed to allow users with little knowledge of web programming languages or markup languages to create and manage website content with relative ease.

This document will address the problem of storing web page content and documents in a static form and how that complicates business processes in a polling organization that publishes frequent reports and documents on its website. This document will also describe how a Content Management System (CMS) can successfully resolve the problems associated with static content. The process of implementing the CMS with PHP and MySQL will also be described and illustrated.

You will not be provided with any support infrastructure for this project. You will design and implement all the classes needed to complete the WCMS PHP Application. Although help will be provided for any SQL related questions.

More details about the application are provided in the Specifications section.

## Specification

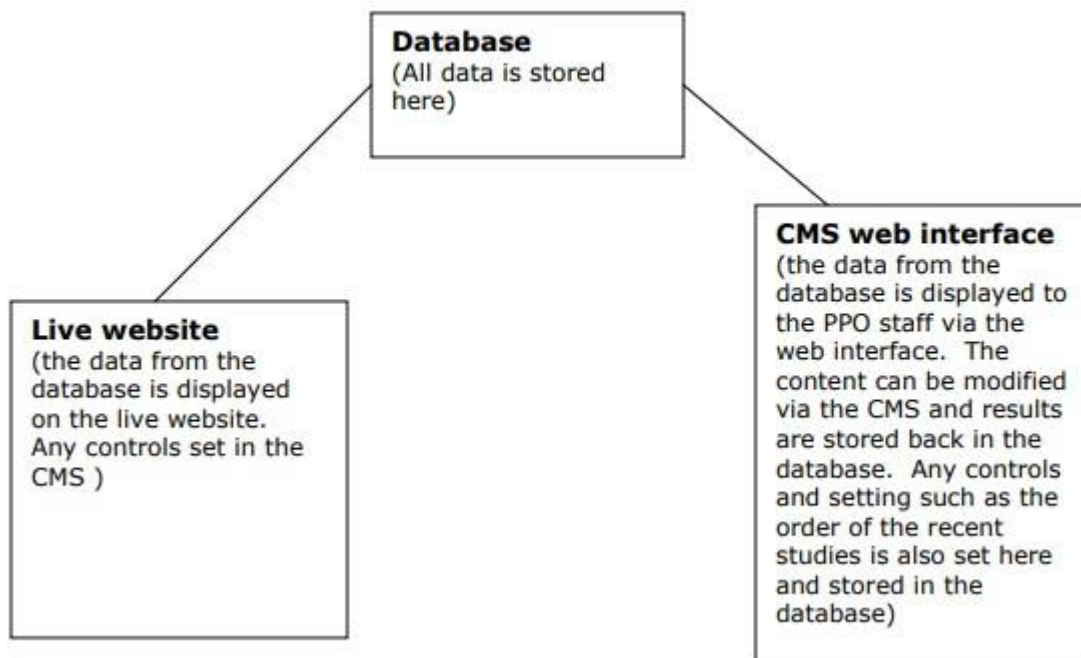
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The goal of the project is to develop a content management system (CMS), in order to improve the way the content is stored, generated, distributed, and organized. The database with a web interface would allow non-technical staff to create new content/make updates, that would populate across all the pages that contained the information, in real-time. The system would eliminate redundancy/inconsistency and provide a simple way to manage the placement of content. The plan is to develop the CMS using the PHP programming language and MySQL database on the back end. The user interface is planned to be developed with W3C standard compliant HTML, CSS and JavaScript to ensure cross browser compatibility and accessibility.

### Scope of the project

The initial scope of the project included the CMS and the dynamic page development that pertained to content storage, generation, distribution, and organization. This project is divided into two scopes:

1. Admin Panel (CMS): database, administrator web interface to manipulate the content in the database.
2. Website: templates in order to make the pages dynamic and appropriately display the content in the database.



The live website is coded in the PHP programming language. PHP is used to access the database and retrieve the appropriate data from the database and display it in the correct format. In essence, PHP converts raw data into information that can be understood by website users. The CMS interface is also coded in PHP, but in addition to displaying the data it allows the staff to manipulate the data and save the changes to the database. Those changes are then reflected in the live part of the site.

You must design a solution to the WCMS PHP Application. The design will reflect everything you've learned during this Block HTML5, JAVASCRIPT, JQUERY, PHP, OOP and MVC. You are expected to design your implementation using Object Oriented Programming, design your own classes for representing the basic entities that the program manipulates. You are also expected to design your database in order to implement your solution. Using the MVC design pattern is a must.

The number of classes you decide to use is up to you; however, you must follow a set of restrictions specified in the requirements.

You can download a design template for the Front End.

- <https://www.myresponsee.com/responsive-website-templates/>
- <https://bootstrapmade.com/bootstrap-business-templates/>
- <https://freshdesignweb.com/free-business-website-templates/>

Admin Panel

- <https://startbootstrap.com/templates/sb-admin/>
- <https://athemes.com/collections/free-bootstrap-admin-templates/>
- <https://startbootstrap.com/themes/sb-admin-2/>

Idea of a WCMS: <https://github.com/VictorAlagwu/CMSsite>

Once the project is done, you are to put it live on your website provided by Herzing.

# Requirements

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## Website Pages

1. Home
  - Slider
  - Welcome Text
  - Team
  - 3 Services
  - Portfolio
  - Footer
2. About
  - Text / Picture
  - Team (at least 3)
3. Services (at least 3)
  - Picture
  - Title
  - Text
4. Portfolio (work done in the field ... at least 6)
  - Title
  - Pictures
5. Contact
  - Contact page

## Admin Panel

1. Users
  - Name
  - Email
  - Username
  - Password
  - Level
    - i. Admin (CRUD)
    - ii. Moderator (CRU)
2. Pages (CRUD)
  - Home
    - i. Slider
    - ii. Welcome Text
    - iii. Footer
  - About
    - i. Text
    - ii. Picture
  - Contact
    - i. Contact Info
    - ii. Social Media
    - iii. Form
3. Team (CRUD)
  - Name
  - Title
  - Short Bio
  - Picture
4. Portfolio (CRUD)
  - Title
  - Text
5. Services (CRUD)
  - Picture
  - Title
  - Text
6. Profile (Update own data)
7. Login/Logout

## Report

- Introduction
  - About the project?
  - About the report
- Analyst
  - How did you plan on realizing the project?
  - Did everything go as planned
  - Problem encountered, solution?
  - What makes your application the best one application in the world
- Conclusion
  - Did you manage to finish the project?
  - What would've you have done differently?

## **Correction Grid**

### **Implementation – 90%**

#### **Code –80%**

**Website: 30%**

**Admin Panel: 70%**

#### **Design – 20%**

- User Friendly
- Design
- Comments
- Teacher’s appreciation

### **Report – 10%**

**ETA – 2.5 Weeks**

**Delivery - August 24<sup>th</sup>, 2022**