

Assignment 2 - CMS Assignment

Overview:

This assignment provides students the opportunity to experiment with Content Management Systems (CMS) at a level that best suits their preferences.

This project can be completed in groups of up to three people.

Purpose:

This assignment will provide students a chance to work with PHP and MySQL to integrate a Content Management System (CMS) into a website.

Process:

1. Basic PHP CMS

Students will be given the source code for a basic CMS including a login process, dashboard, and project management. In class we will walk through setting up this code and connecting it to our database.

Source code is available here:

<https://github.com/codeadamca/php-cms>

YouTube videos walking through the construction of this CMS are available here:

<https://www.youtube.com/watch?v=JO6RB-EDhYI>

2. Admin Customization

Based on the topic the group has chosen, students will customize the admin. This could include adding code to manage members, photos, events, etc...

3. CMS Front End

This portion of the assignment will be done as individuals.

With a completed CMS, students will now create a front end for the website. This part of the project will need to incorporate the data from the CMS into the website.

For example, if the CMS includes a project management admin, the frontend could be a portfolio that displays the projects from the CMS.

Rubric:

Category	1 Incomplete	3 Approaching	4 Mastery	5 Exemplary
	Shows no or poor level of knowledge	Shows moderate level of knowledge	Shows proficient level of knowledge	Shows excellent level of knowledge
Backend				
Admin Design	Admin is functional. The code has not been changed from the provided sample.	Larger changes have been made to the provided code. CMS design is custom.	Dashboard is well designed. Validation has been added.	CMS bears little resemblance to the provided source code. Icons have been used. CMS has been branded.
Admin Customization	CMS only manages projects and admin accounts as provided by the sample source code.	CMS includes a new CRUD process for photos, members, events, or other topics.	CMS includes the use of foreign keys, media uploading (other than images), use of YouTube IDs (or something similar), or other advanced concepts.	
Frontend				
Design	Frontend website is functional but has very little	Website is well designed. Content and website design is consistent.	Website design is very user friendly, easy to navigate, and everything appears to be functional.	Design is functional on all devices, resolutions, and/or browsers.
Content	Content is lorem ipsum. No real content is included.	Three or more pages of content have been included. Website content appears complete. A significant amount of content comes from the CMS.	Content is easy to read. Content and website design are consistent. Forms are well designed and include validation.	Content is functional on all devices, resolutions, and/or browsers.
TOTAL (15% of your Final Mark)				

Submission/Deliverables:

This assignment will require two separate submissions:

1) **CMS Backend**

As a group you will submit your CMS. This will include a link to your CMS login page, a working username and password, and a ZIP file with your source code.

2) **Frontend**

As an individual you will submit your frontend. Include a link to your working frontend and a ZIP file with your source code.

Coding Academic Integrity

<input checked="" type="checkbox"/>	Copying sample code from coding documentation such as sample variable definitions, for loops, function definitions, etc...
<input type="checkbox"/>	Copying a functional block of code. Citations are required.
<input checked="" type="checkbox"/>	Use of coding frameworks and/or libraries. Permitted libraries/frameworks: WidelImage, Font Awesome, CKEditor, W3.CSS