# Assignment 3 - Laravel CMS Assignment

## Overview:

This assignment provides students the opportunity to experiment with Laravel.

This project can be completed as Individuals.

## Purpose:

This assignment will provide students a chance to work with Laravel and write a CRUD module in it.

## Process:

1. **Basic Laravel CMS**

Students will be given the source code for a basic Laravel 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:

CMS with PHP templates:  
<https://github.com/codeadamca/laravel-php-cms>

CMS with Blade Templates:

<https://github.com/codeadamca/laravel-blade-cms>

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

<https://www.youtube.com/watch?v=WBhEhZCPPoY>

1. **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… The process will follow these steps:

1. Determine which new admin modules you will need to add (education, job history, skills, etc…).
2. For each module, add additional Laravel Migration files to create the additional tables and relationships.
3. For each additional table, create an additional Laravel Factory and add any additional Seeding needed to generate quality testing data.
4. Create basic Model files for each additional table.
5. Create Controllers and Views to add the additional CRUD processes to your admin.
6. Add API routes for the additional CRUD processes.
7. **CMS Front End**

If your application has a public facing view, create views to show data to users.

## Rubric:

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| --- | --- | --- | --- | --- |
| 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. |
| Migration | Migration files do not exist. Database was created manually. | Some tables include migration files. | All tables include migration files. | Migration files are complete and well coded. Field types are appropriate. |
| Factories and Seeding | No factory or seeding has been attempted. Data is imported manually. | Factories exist without any seeding. | Factories and seeding are complete. | Seeding generates appropriate testing data, |
| Models | Models exist but are poorly formatted. | Models exist and are complete. | Models include foreign keys, mass assignment, dates, etc… | |
| Routes and Controllers | Routes and controllers exist but are poorly formatted. | Routes and controllers exist and are well formatted. | Routes use variables and are efficient. ALl routes direct to a controller. | Controllers include data preparation, interaction with the database, validation, file uploading, etc… |
| Views | Views exist but are incomplete. Views cause errors. | Views exist and are coded using vanilla PHP or Blade. | Variables and functions are included properly. | Views are efficiently split up into charred files. |
| API | Some API routes are defined. | All API routes are defined. Routes provide well formatted JSON. | Data includes well formatted data. Image URLs are complete. Dates are well formatted. | JSON data is imported into a React frontend. |
| TOTAL (15% of your Final Mark) | | | | |

## Submission/Deliverables:

This assignment will require one submission:

**Github Repo Link and Screenshots embedded in your GitHub readme file to showcase the entire workflow of the app.**

## Coding Academic Integrity

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| --- | --- |
| ☑ | Copying sample code from coding documentation such as sample variable definitions, for loops, function definitions, etc… |
| ☑ | Copying a functional block of code. Citations are required. |
| ☑ | Use of coding frameworks and/or libraries.  Permitted libraries/frameworks: WideImage, Font Awesome, CKEditor, W3.CSS, Laravel, Bootstrap, Foundation. |