# CMS MODULE

# Introduction

You are a freelance worker working in the field of Web Technology and you have been asked to develop a new website for COVID-19. Your client has heard that you are good at building content management systems.

# Description of Project and Tasks

This module involves knowledge about website design, website layout techniques, client-side scripting, and server-side scripting, all combined in one CMS project. You will be using one of the most popular content management systems - WordPress.

Your job is to develop a website backed by a content management system. Please create your own theme as a child-theme of a given starter BlankSlate theme. Please name your theme **COVID19\_Indonesia**.

The purpose of this website is to display the latest news about COVID-19 in Indonesia as well as selected news stories from selected editors. A newsletter can have a list of upcoming events. The purpose of this website is to provide information and news regarding COVID-19, from general news, socialization and urgency of conditions in Indonesia and to provide a list of upcoming events that can be followed for people who wish to participate. The target audience for this page is all elements of society in Indonesia. This can vary widely, therefore you will determine your interpretation of the target audience (based on "Indonesian society"). Also make sure you have the headers and slogans defined in the content management system.

Admins and editors should have the possibility to add and modify each entry for each story either to update existing information or to add new news to the list. The site is accessible for visually impaired visitors.

## CONTENT MANAGEMENT SYSTEM

For administration tasks, we need two user profiles, Admin and Editor:

* The Admin user - access to the complete WordPress main dashboard.
  + Username: admin20
  + Password: 20admin
* The Editor user – access as editor role in the CMS.
  + Username: 20editor
  + Password: editor20

We want the CMS login page to be white-label. That means the login page should not show the CMS default logo and add all the editor's logos.

Also the login page should not include any “wp” wordings for white-label reasons. Please make the backend admin URL as following: <host>/admin/

## MANAGING NEWS AND PAGES

The client wants to be able to add, edit, update, delete news records.

## NEWS BLOG POST

From time to time, there will be news from the website as well as from specific editors. These blog posts should be categorized.

The client wants to show news posts from all categories in the home page. While in the specific editor page, the client wants to show news posts from only the category for the news.

### *Post Categories*

* News Updates
* COVID-19 Events
* Each selected editor

## PAGES AND URL STRATEGY

Accessibility is very important to our website. We would like to leverage different levels of accessibility optimization.

### *URL level of accessibility*

All editors pages should have their own URL permalink.

News posts should have following URL structure:

* All news: <host>/news/
* News from a category: <host>/news/<category name>

## DASHBOARD CONFIGURATION

The client wants to have At a Glance, Activity, Quick Draft in the dashboard. Please configure these dashboard widgets and remove all others in the dashboard.

## MENUS

The menu should stick to the top when scrolling down the page. The menu has the following items.

* Home
* Our Category (List from categories)

## FRONT-END REQUIREMENT

You will need to create your own theme, based on the given starter themes. You will need to implement the following elements for your web page:

* A footer with copyrights and social media links
  + “Copyright © 2019 - All rights reserved” where the year should be the current year dynamically based on server time.
  + Footer plugins should be used for footer links to Twitter, Facebook, and Instagram. User can change the social links.

Feel free to add and change as many elements as you like, but the elements in the list need to be present and your design should blend in with the given design.

The client does not like refreshing the whole page. Page transition should be loaded via JavaScript with animated transition effect. (This does not apply to admin area)

## HOME PAGE LAYOUT COLUMNS STRATEGY AND MOCKUP

The layout should be responsive for different screens including mobile and desktop.

Home page on the desktop screen should have a multiple columns layout. Left half is some kind of cover and images and the right half is the news.

Home page on the mobile screen should have a top-down layout strategy. Each column takes the full width of the screen, except for the list of selected editors. They should have a left and right 2 columns layout.

## Further optimization tasks

The page needs to be optimized for search engines.

You can choose one of the provided plugins or implement your own SEO.

Remember to optimize certain parts of your website (e.g. urls, sitemap, …).

Secure your page by installing and configuring a security plugin.

Note: If the plugin you would like to choose is broken or does not work as expected, you need to choose another one or feel free to fix this plugin.

## Instructions to the Competitor

The page should follow the Web Content Accessibility Guide.

For the working folder you need to name your folder to “**module\_cms**”.

## Equipment, machinery, installations, and materials required

|  |  |
| --- | --- |
| ITEM | description |
| advanced-custom-fields.5.8.0.zip | Plugin |
| all-in-one-wp-security-and-firewall.zip | Plugin |
| autodescription.3.2.4.zip | Plugin |
| blankslate.2019.1.zip | Theme |
| contact-form-7.5.1.3.zip | Plugin |
| contact-form-plugin.4.1.5.zip | Plugin |
| contact-forms-builder.1.5.2.zip | Plugin |
| elegant-responsive-content-slider.1.0.1.zip | Plugin |
| jetpack-6.9.zip | Plugin |
| sample\_underscores.zip | Theme |
| seo-by-rank-math.1.0.24.zip | Plugin |
| wonderplugin-carousel-free.zip | Plugin |
| wordfence.7.3.2.zip | Plugin |
| wordpress-seo.11.2.1.zip | Plugin |
| wp-responsive-jquery-slider.1.7.zip | Plugin |

## Marking Scheme

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Section | Criterion | Judgement marks | Measurement marks | Total |
| B1 | CMS Theme | 0 | 3.0 | 3.0 |
| B2 | CMS Configuration | 0 | 3.75 | 3.75 |
| B3 | CMS Design | 1.5 | 1.5 | 3 |
| B4 | CMS Layout | 3.0 | 3.5 | 6.5 |
| B5 | CMS Category | 0.5 | 3.25 | 3.75 |
| B6 | CMS Admin | 0.25 | 2.25 | 2.5 |