C219 Front-end Web Development
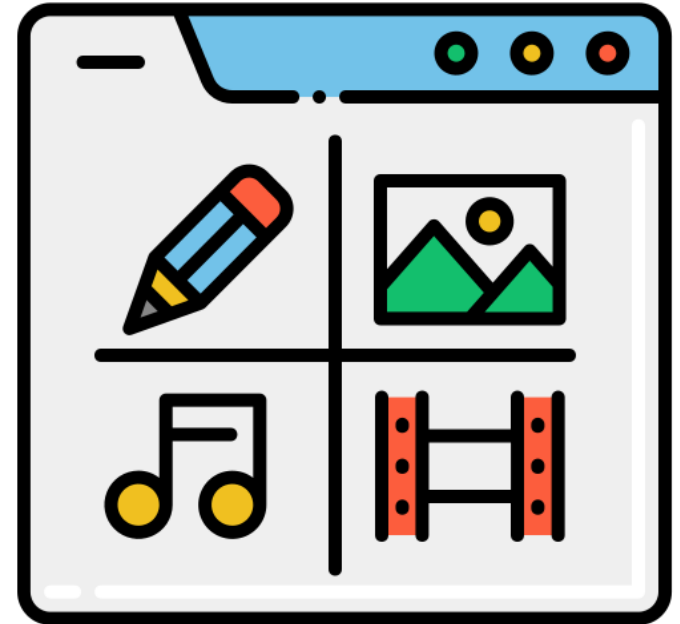
Lesson 11

Content Management Systems (CMS)

Recap

Lesson 10

CMS Introduction

A content management system (CMS) is a software that helps users create, manage, and modify content on a website without the need for specialised technical knowledge.

Instead of building your own system for creating web pages, storing images, and other functions, the content management system handles all that basic infrastructure stuff for you so that you can focus on more important parts of your website.

CMS Features

Key CMS features include:

- Admin dashboard

- User permission systems

- Content publishing

- File manager

- Theme customisation

- Plugins and extensions

CMS Advantages and Disadvantages

Advantages
Quick development, less coding
Wide variety of themes to choose from
Easily add functionality using plugins
User-friendly
Easy to maintain

Disadvantages
Not all CMSs are free and open source
May not be easy to customise website design and features
Dependence on plugins for functionality
CMSs can be an overkill for simple websites
Website performance may be slow and may be easily prone to hacking

Popular CMSs

Here are some of the most popular CMSs:

- [WordPress](#)

- [Squarespace](#)

- [Joomla](#)

- [Drupal](#)

- [Magento](#)

Introduction to WordPress

WordPress is an open source software you can use to create a beautiful website, blog, or app.

It comes with powerful features such as customisable designs, media management, high performance, mobile responsiveness, high security and extensibility.

You can extend WordPress with over 55,000 plugins to help your website meet your needs. Add an online store, galleries, mailing lists, forums, analytics, and much more.

WordPress Programming Languages

WordPress is written using PHP as the server-side programming language.

The front-end uses HTML, CSS and JS.

WordPress stores all its data in a MySQL database, which can be easily managed using phpMyAdmin.

WordPress Statistics

WordPress is the world's most popular content management system powering 34% of all websites on the internet.

- WordPress has a 60.8% market share in the CMS market

- WordPress powers 14.7% of the world's top websites

- 500+ sites are built each day using WordPress while only 60–80 per day are built on platform like Shopify and Squarespace

- The WordPress Plugin Directory features 55,000+ plugins

- WooCommerce powers 22% of the top 1 million e-commerce sites in the world

Notable WordPress Sites

Famous websites that use WordPress:

- [Microsoft News](#)

- [PlayStation Blog](#)

- [Time Magazine](#)

- [Walt Disney](#)

- [Angry Birds](#)

- [Snoop Dogg](#)

snoopdogg.com

Get Started with WordPress

Refer to L11 Worksheet.docx

Deliverables

Individual Submission:

- L11 Assignment

  - **wp-content** folder only (do not submit the entire wordpress folder)

  - **wp_db1.sql** file

  - A full-page screenshot of your home page (home-page.png)

  - Place all of the above in a folder and zip for submission

Others:

- Reflection Journal

Submit all deliverables by 2359 today