Assignment 2

# CMS – WordPress

A content management system or CMS is a software that facilitates creating, editing, organizing, and publishing content. WordPress is a Content Management System, that allows you to create and publish your content on the web. Although it is mostly used for web publishing, it can be used to manage content on an intranet, or in a single computer.

# **WordPress** is open source and free for anyone to use.

WordPress allows users to have full control over the files, documents, as well as the design and display of the content. You don’t have to know a single line of code to publish content using WordPress. The beauty of a good content management system is to allow any user to create and manage their content without any technical know-how.

In the earlier days, an average user or a small company had to rely on static HTML sites because they could not afford a content management system which would cost hundreds of thousands of dollars. That problem is now solved. WordPress is open source and free for anyone to use.

WordPress is being used in all sort of creative ways. We have seen WordPress being used to power small business websites, blogs, large university websites, portfolios, real estate property listing site, internal communication system for companies, web directories, movie databases, application infrastructure base, arcade sites, and basically anything else you can think of.

# What is User Experience (UX) Design?

User experience (UX) design is the process of creating products that provide meaningful and relevant experiences to users. This involves the design of the entire process of acquiring and integrating the product, including aspects of branding, design, usability, and function.

is the process of creating products that provide meaningful and relevant experiences to users. This involves the**design** of the entire process of acquiring and integrating the product, including aspects of branding,**design**, usability, and function.

# PHP

**PHP** stands for Hypertext Preprocessor (no, the acronym doesn't follow the name). It's an open source, server-side, scripting language **used** for the development of web applications. By scripting language, we mean a program that is script-based (lines of code) written for the automation of tasks.PHP is a server side scripting language. that is used to develop Static websites or Dynamic websites or Web applications. PHP stands for Hypertext Pre-processor, that earlier stood for Personal Home Pages.

PHP scripts can only be interpreted on a server that has PHP installed.

The client computers accessing the PHP scripts require a web browser only.

A PHP file contains PHP tags and ends with the extension ".php".

# ASP.net

**ASP.NET** is an [open-source](https://en.wikipedia.org/wiki/Open-source_software)[[2]](https://en.wikipedia.org/wiki/ASP.NET#cite_note-2) [server-side](https://en.wikipedia.org/wiki/Server-side_scripting) [web application framework](https://en.wikipedia.org/wiki/Web_application_framework) designed for [web development](https://en.wikipedia.org/wiki/Web_development) to produce [dynamic web pages](https://en.wikipedia.org/wiki/Dynamic_web_page). It was developed by [Microsoft](https://en.wikipedia.org/wiki/Microsoft) to allow [programmers](https://en.wikipedia.org/wiki/Programmer) to build dynamic [web sites](https://en.wikipedia.org/wiki/Web_site), [web applications](https://en.wikipedia.org/wiki/Web_application) and [web services](https://en.wikipedia.org/wiki/Web_service).

# XML

Extensible Markup Language is a markup language that defines a set of rules for encoding documents in a format that is both human-readable and machine-readable

# SQL

**Structured Query Language**. SQL is used to communicate with a database. According to ANSI (American National Standards Institute), it is the standard language for relational database management systems.

# Bootstrap :

Bootstrap is a free and open-source front-end framework for developing websites and web applications. It contains HTML- and**CSS**-based design templates for typography, forms, buttons, navigation and other interface components, as well as optional **JavaScript** extensions.

# VueJS

A lot of software technologies are also being used by the developers to make the**applications** faster, more attractive and user-friendly. Vue.js is one of those new software technologies that are being widely used across the world for web development.

# React

React is a JavaScript library for building user interfaces. It is maintained by Facebook and a community of individual developers and companies. React can be used as a base in the development of single-page or mobile applications

# **Service**-**oriented architecture** (SOA)

# SOA is a style of software design where services are provided to the other components by application components, through a communication protocol over a network. The basic principles of service-oriented architecture are independent of vendors, products and technologies.

# Spring Boot makes it easy to create stand-alone, production-grade Spring based Applications that you can "just run".

# Flask is a micro web framework written in Python. It is classified as a microframework because it does not require particular tools or libraries. It has no database abstraction layer, form validation, or any other components where pre-existing third-party libraries provide common functions

# **SEO** is a marketing discipline focused on growing visibility in organic (non-paid) search engine results.**SEO** encompasses both the technical and creative elements required to improve rankings, drive traffic, and increase awareness in search engines

# Search engine marketing (**SEM**) is a form of Internet marketing that involves the promotion of websites by increasing their visibility in search engine results pages (SERPs) primarily through paid advertising