**Module 9 Activity: Get Acquainted with Web Development**

1. REACT – a Javascript, component-based library used to develop interactive User Interfaces (UI). 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.
2. DevOps – an operational philosophy that promotes better communication between a company’s application development and IT operations teams – and others – in an organization. DevOps describes the adoption of programmable software development, automation and infrastructure deployment and maintenance.
3. C# - an elegant and type-safe object-oriented language that enables developers to build a variety of secure and robust applications that run on the .NET Framework; an object-oriented programming language from Microsoft that aims to combine the computing power of C++ with the programming ease of Visual Basic.
4. WordPress – an online, open source website creation tool written in PHP, which is used in blogging and website content management system (CMS). WordPress enables you to build and manage your own full-featured website using just your web browser – without having to learn how to code.
5. CSS3 – an extended version of CSS2, and is the latest standard used in defining the styles for the different elements of a web page and more. This includes animating the elements of a web page, applying different effects such as gradients, shadows and many more. CSS3 is split up into “modules” to enhance the web page. The modules are:
   * Animations
   * Backgrounds and Borders
   * Selectors
   * Box Model
   * 2D/3D Transformations
   * Text Effects
   * User Interface
   * Multiple Column Layout
6. Angular JS – a JavaScript-based open-source front-end web framework mainly maintained by Google and by a community of individuals and corporations to address many of the challenges encountered in developing single pay applications. It aims to simplify both the development and the testing of these applications by providing a framework for client side model-view-controller (MVC) and model-view-viewmodel (MVVM) architectures, along with components commonly used in rich internet applications.
7. Backbone js – a light weight JavaScript library or framework that facilitates developers to create a single page application in a structured manner. Client side applications run on a web browser. It is based on MVC pattern which abstracts data into models, DOM into views and bind these two using events.
8. RESTful APIs – an application program interface (API) that uses HTTP requests to GET, PUT, POST and DELETE data. An API is programming that allows two software applications to communicate with each other.
9. Agile methodologies – a people-focused, results-focused approach to software development that respects the rapidly changing world. It’s centered around adaptive planning, self-organization, and short delivery times. It’s flexible, fast, and aims for continuous improvements in quality, using tools like Scrum and eXtreme Programming.
10. Ember JS – an open-source, free JavaScript client-side framework used for developing web applications. It allows building client side JavaScript applications by providing a complete solution which contains data management and an application flow. Ember JS is an open source JavaScript framework under MIT license.