BITM 2113 Web Application Development

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There are 5 questions in this Lecture Activity. Answer ALL of the questions.

1. Compare the difference between the Internet and the World Wide Web.

* Internet is the global network of connected devices that allows data exchange.
* World Wide Web (WWW) is a system of web pages and sites that operates on the internet browsers.

1. What is Web technology?

* Web Technology refers to the collection of tools, platform, programming language and protocols that are used to develop and operate web-based applications and services.

1. Summarize 5 typical technologies for frontend development, and 5 typical technologies for backend development.

Fronted development

* HTML – Creates the structure of web pages
* CSS – Styles the appearance of web pages
* JavaScript – Adds interactivity to web pages.
* React.js – A library for building user interfaces.
* Bootstrap – a framework for building responsive websites.

Backend Development

* Node.js – JavaScript runtime for server-side development.
* Php – A scripting language for building for building dynamic websites
* Python – Used for building backend system.
* Ruby on Rails – A framework for building web applications.
* SQL – technologies like MySQL for data storage.

1. Compare the difference between Frontend developers, and Backend developers.

* Fronted developers – Focus on design and build the visual part of websites
* Backend developers – ocus on the server, database and logic that power the website.

1. What are the common skills that Full Stack developers posses?

* Proficient in multiple programming languages
* Have knowledge of server – side programming language to create and maintain database
* Good understanding of database system to manage and manipulate data efficiently.
* Know how to deploy their code to production servers using tools.
* Proficient in web development frameworks to build complex web applications more efficiently.