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MERN Stack Assignment

Module 5 – Mern-stack – HTML5 Theory

Question 1: Difference between HTML & HTML5

Answer:

Feature	HTML	HTML5
Doctype Declaration	<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">	<!DOCTYPE html>
Multimedia Support	Requires Flash or third-party plugins for audio and video	Native support for `<audio>` and `<video>`
Semantic Elements	Limited to `<div>` and `<span>` for layout	semantic elements like `<article>`, `<section>`, `<nav>`, `<header>`, `<footer>`

Form Enhancements	Requires JavaScript for validation	New input types (`email`, `date`, `number`, etc.) and attributes like `required`
Canvas & Graphics	No support for drawing graphics	Introduces `<canvas>` for graphics and animations
Mobile Friendliness	Not designed for mobile devices	Improved support for mobile devices and responsive design
APIs & Features	Limited APIs	Supports WebSockets, Web Storage, Geolocation, Drag & Drop, etc.

Question 2: Additional Tags in HTML5.

Answer:

`<header>` – Defines a section or page header

`<footer>` – Defines a section or page footer

`<article>` – Represents a self-contained article

`<section>` – Defines a section of content

`<nav>` – Defines navigation links

`<aside>` – Represents sidebar content

`<main>` – Represents the main content of the document

`<figure>` – Groups media elements like images with captions

`<figcaption>` – Provides a caption for `<figure>` elements

`<audio>` – Embeds audio files

`<video>` – Embeds video files

`<source>` – Specifies multiple media sources for `<audio>` and `<video>`

`<track>` – Adds subtitles or captions for `<video>`

`<canvas>` – Used for drawing graphics via JavaScript

`<svg>` – Supports scalable vector graphics

`<meter>` – Represents a measurement within a known range

`<progress>` – Represents the progress of a task

`<datalist>` – Provides a list of predefined options for `<input>`

`<output>` – Displays the result of a calculation

`<time>` – Represents a specific time or date