**Lecture-16: HTTP, HTTPS, Logic-Building and TO-DO-APP Overview**

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**HTTP and HTTPS:**

* HTTP (Hypertext Transfer Protocol) and HTTPS (Hypertext Transfer Protocol Secure) are protocols used for communication over the internet.
* HTTP is not secure as data is transmitted in plain text, while HTTPS encrypts data to ensure security.
* Websites using HTTPS are considered more secure as it establishes a secure connection.

**Logic Building:**

* Building logic is crucial in programming to create functional and efficient code.
* Logical thinking involves breaking down complex problems into smaller, manageable steps.
* Practice and experience help improve logical thinking and problem-solving skills.

**To-Do App Development:**

* Developing a simple To-Do app as a practical exercise.
* Components of the app include:

1. Navbar for navigation
2. Form for entering task title and description
3. Table to display tasks
4. Alerts for submit, clear, and delete actions
5. Functions for deleting individual tasks
6. Function for clearing all tasks

**SEO (Search Engine Optimization):**

SEO is a practice to improve a website's visibility on search engines.

Key elements for SEO include:

* Meta tags: <meta name="description" content="">, <meta name="keywords" content="">, <meta name="robots" content="FOLLOW, INDEX">
* Properly structured HTML
* Relevant keywords
* High-quality content
* Mobile responsiveness
* SEO helps increase organic traffic to websites by improving their search engine rankings.

**Bootstrap v5.2 Boilerplate:**

Using Bootstrap v5.2 as a foundation for web development.

Utilizing Bootstrap's components and utilities for creating responsive and visually appealing designs.

Specific elements used in this lecture:

* Navbar for navigation
* Form with buttons for interaction
* Table for organized data presentation