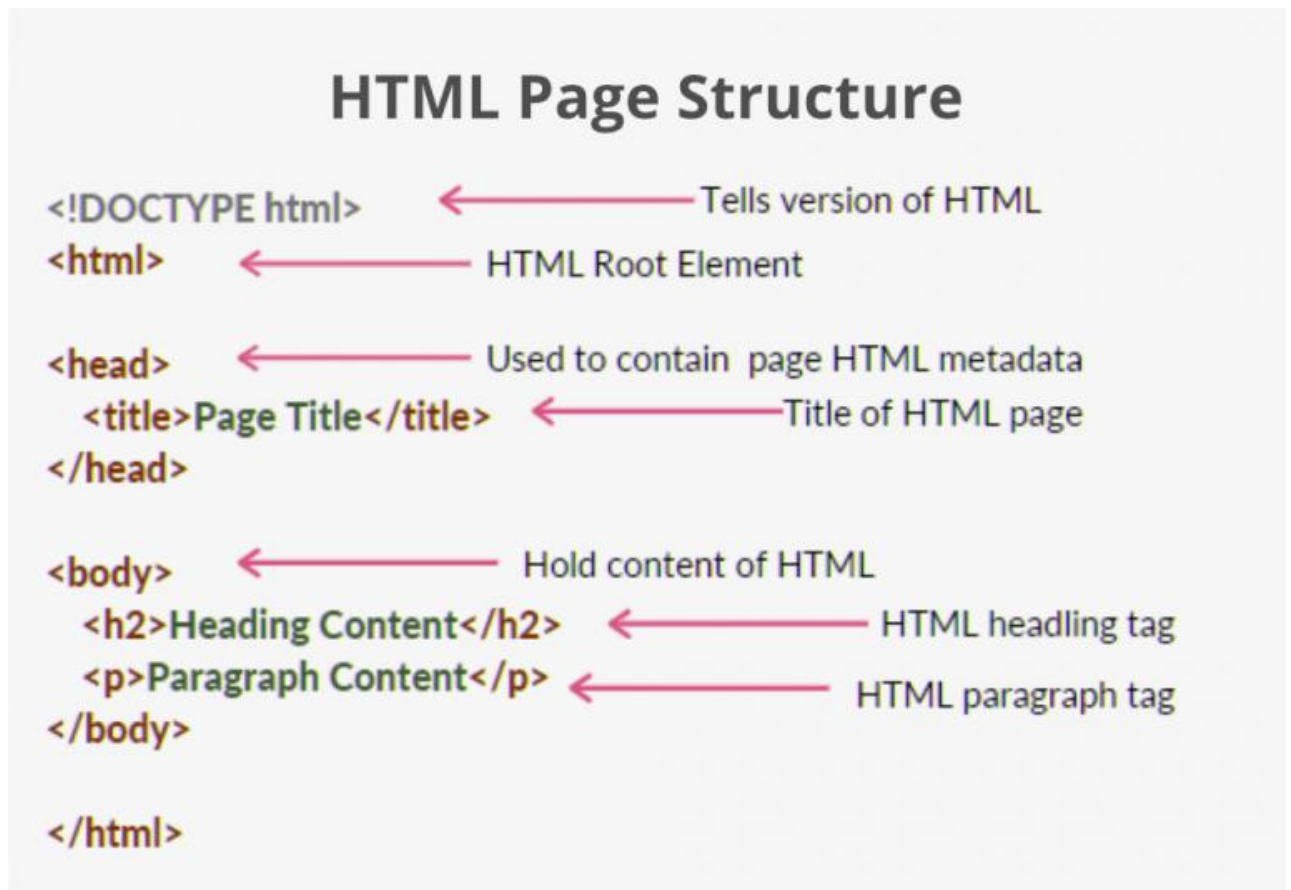


# 1. Introduction to HTML

- **HTML (HyperText Markup Language):** It's the standard language for creating web pages. It uses tags to structure content, and browsers interpret these tags to display web pages.



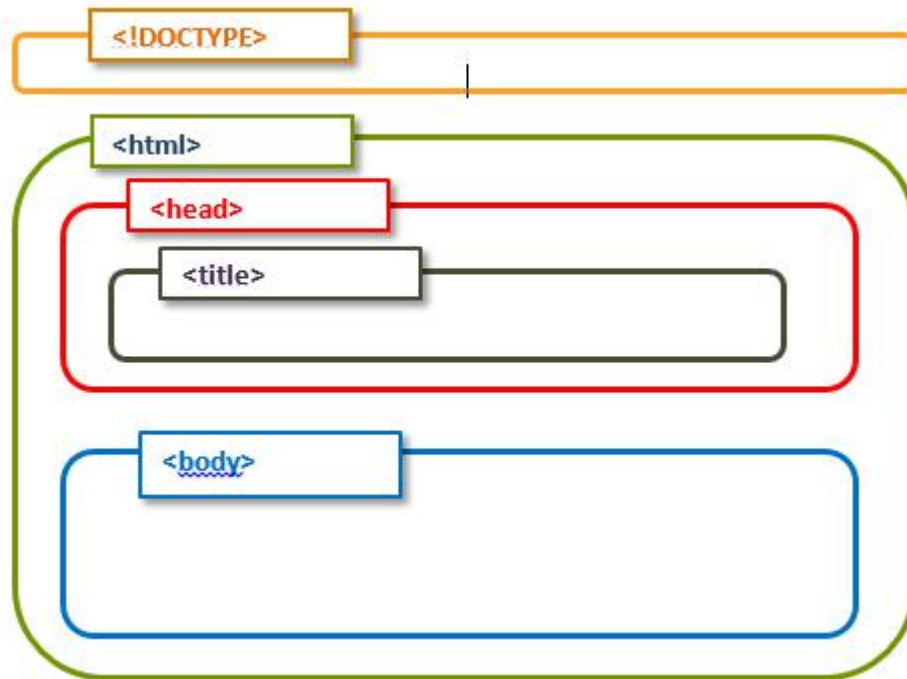
## 2. Creating an HTML Document

- **Basic Structure:** An HTML document starts with `<!DOCTYPE html>` and includes `<html>`, `<head>`, and `<body>` tags.

- **Tags:** Elements like headings `<h1>` to `<h6>`, paragraphs `<p>`, and line breaks `<br>` organize content.

## 3. Nesting HTML Elements

- **Hierarchy:** HTML elements can be nested inside each other. Proper nesting is crucial for well-structured code.



## 4. Head Elements & Scripts in HTML

- **<head> Section:** Contains metadata like the title of the page and links to stylesheets.
- **<script> Tag:** Used to include JavaScript code in your HTML document.
- **<style>** Used to define the style in HTML document

## 5. HTML Layout Elements

- **<div> and <span>:** These are generic containers used with CSS for layout purposes.

## 6. Navbar & List Items in HTML

- **<nav> Element:** Used for navigation bars.
- **<ul>, <li>:** Create unordered lists and list items.

## 7. Headings in HTML

- **<h1> to <h6>:** Headings to structure your content. `<h1>` is the most important, and `<h6>` is the least.

## 8. HTML Paragraphs & Text Formatting

- **<p> Tag:** Represents a paragraph of text.

- **Text Formatting Tags:** `<strong>`, `<em>`, `<u>`, etc., for bold, italic, and underlined text.

## 9. Text Formatting in HTML

- **CSS Styles:** Use CSS for more advanced text formatting, like changing font styles and colors.

## 10. HTML Table

- **`<table>` Element:** Used to create tables.  
- **`<th>`, `<td>`:** Table header and data cells.

| No. | Full Name       | Position          | Salary |
|-----|-----------------|-------------------|--------|
| 1   | Bill Gates      | Founder Microsoft | \$1000 |
| 2   | Steve Jobs      | Founder Apple     | \$1200 |
| 3   | Larry Page      | Founder Google    | \$1100 |
| 4   | Mark Zuckerberg | Founder Facebook  | \$1300 |

## 11. Page Linking in HTML

- **`<a>` Tag:** Creates hyperlinks to other pages or resources.

## 12. Forms & Inputs

- **`<form>` Element:** Wraps form controls.  
- **`<input>`, `<textarea>`, `<select>`:** Form elements for text input, text areas, and dropdowns.

|                                       |                                                                      |                                       |
|---------------------------------------|----------------------------------------------------------------------|---------------------------------------|
| <input type="text"/>                  | <input type="password"/>                                             | <input type="text"/>                  |
| <input type="text"/>                  | <input type="text"/>                                                 | <input type="text"/>                  |
| <input type="text"/>                  | <input type="text"/>                                                 | <input type="text"/>                  |
| <input type="radio"/> Radio Button    | <input type="range"/>                                                | <input type="checkbox"/> Checkbox     |
| <input type="submit" value="Submit"/> | <input type="button" value="Reset"/> <input type="button" value=""/> | <input type="button" value="Button"/> |

# HTML Input Types

## 14. Inline & Block Elements

- **Inline:** Elements flow with the content. Examples: `<span>`, `<a>`.
- **Block:** Elements start on a new line. Examples: `<div>`, `<p>`.

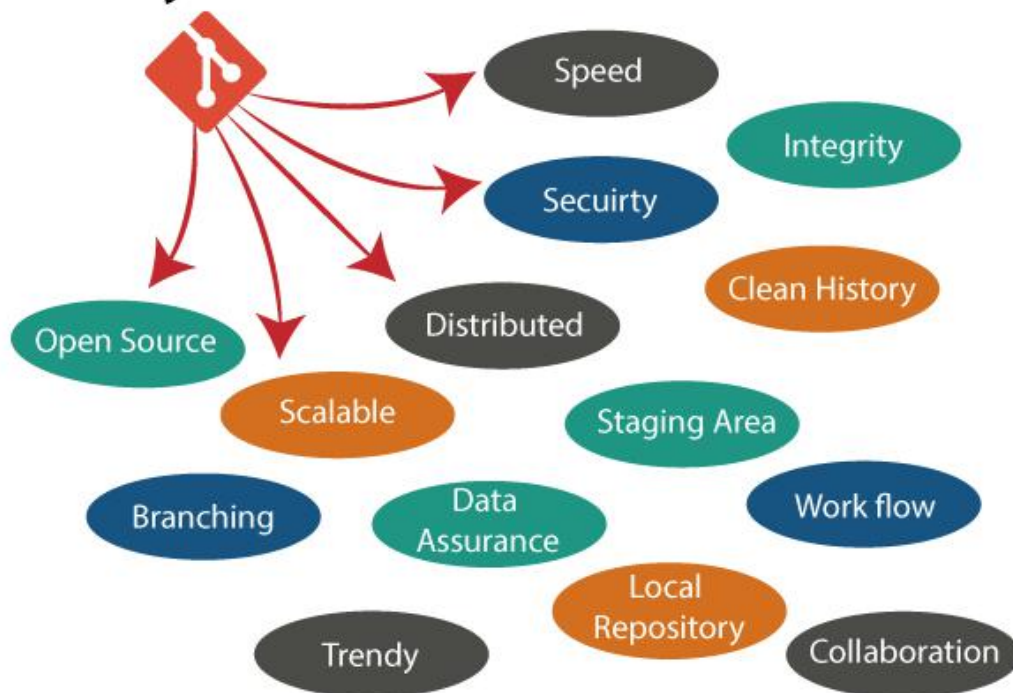
## 15. Adding an Image:

Integrate an image into your HTML page using the `<img>` tag. Include alternative text for accessibility.

## 16. What is Git



- **Version Control:** Git tracks changes in your code, allowing collaboration and reverting to previous versions.

# Why Git?



## 17. What is GitHub

- **Hosting and Collaboration:** GitHub is a platform where you can store your Git repositories and collaborate with others.

|  <b>git</b> |  <b>GitHub</b>               |
|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| 1. It is a software                                                                            | 1. It is a service                                                                                               |
| 2. It is installed locally on the system                                                       | 2. It is hosted on Web                                                                                           |
| 3. It is a command line tool                                                                   | 3. It provides a graphical interface                                                                             |
| 4. It is a tool to manage different versions of edits, made to files in a git repository       | 4. It is a space to upload a copy of the <b>Git</b> repository                                                   |
| 5. It provides functionalities like Version Control System Source Code Management              | 5. It provides functionalities of Git like VCS, Source Code Management as well as adding few of its own features |



Task 1 : Compose an HTML table displaying semester marks for three subjects. Include subject names and corresponding marks. Apply a simple border for clarity.

Task 2 : Develop an HTML "Contact Us" form for your Final Year Project (FYP) website. The form should include fields for the user's name, email address, subject of inquiry, a message textarea, and a submit button. Ensure proper labels and use HTML5 input types for validation where applicable. Style the form to enhance user experience.

Task 3 :

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## Your Name

yourname@emailaddressofconvenience.com

This web site is divided into a minimum of three areas, with a minimum of one of the areas having subordinate pages as well. Specifically, the areas are

1. **About me.** This area may have subordinate pages for a fuller *Curriculum Vitae* or a résumé.
2. **Classes.** This area will have subordinate pages for four tasks due as part of the Tools for Information Literacy class [insert current semester here].
  - Task 3 Markup
  - Task 4 Spreadsheets
  - Task 5 Relational Databases
  - Task 6 Presentational Graphics
3. **Interests.** This area may have subordinate pages for fuller explorations of personal interests.

last updated on [current date]

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