

Starting point to your web  
development career

# COMPLET HTML FROM ZERO TO EXPERT

# Today's Agenda

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Web Development Basics

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Internet , Web , Difference

3

Http, URL, Website

4

Web Server, Web browser, DNS

5

Domain name, Domain extension

6

Setting development environment

7

Introduction to html

# WHAT IS INTERNET ?

- The Internet, sometimes called simply "the Net," is a worldwide system of computer networks
- a network of networks in which users at any one computer can get information from any other computer (and sometimes talk directly to users at other computers)

# WORLD WIDE WEB (WWW)

- A technical definition of the World Wide Web is – All the resources and users on the Internet that are using the Hypertext Transfer Protocol (HTTP).
- In simple terms, The World Wide Web is a way of exchanging information between computers on the Internet, tying them together into a vast collection of interactive multimedia resources.

# INTERNET VS WEB

- The key difference between the Internet and the World Wide Web (WWW or the Web) is that the Internet is a global connection of networks while the Web is a collection of information that can be accessed using the Internet. In other words, the Internet is the infrastructure and the Web is a service on top.

# HTTP

- HTTP stands for Hypertext Transfer Protocol. This is the protocol being used to transfer hypertext documents that makes the World Wide Web possible.
- A standard web address such as `http://www.yahoo.com` is called a URL and here the prefix `http` indicates its protocol

# URL

- URL stands for Uniform Resource Locator, and is used to specify addresses on the World Wide Web.
- A URL is the fundamental network identification for any resource connected to the web (e.g., hypertext pages, images, video , audio ...).
- A URL will have the following format –
  - [Protocole://www.domain name/other\\_information](#)

# WEB SERVER

- Every Website and web application sits on a computer known as a Web server which is always connected to the internet.
- Every Web server that is connected to the Internet is given a unique address made up of a series of four numbers between 0 and 256 separated by periods. For example, 68.178.157.132 or 68.122.35.127.
- When you register a Web address, also known as a domain name, such as youtube.com you have to specify the IP address of the Web server that will host the site.



# WEB BROWSER

- Web Browsers are software installed on your PC. To access the Web you need a web browsers, such as chrome, Microsoft Internet Explorer or Mozilla Firefox.
- On the Web, when you navigate through pages of information this is commonly known as browsing or surfing.

# DNS

- DNS stands for Domain Name System. When someone types in your domain name, `www.example.com`, your browser will ask the Domain Name System to find the IP that hosts your site.
- When you register your domain name, your IP address should be put in a DNS along with your domain name. Without doing it your domain name will not be functioning.

# DOMAIN NAME

- A domain name is part of your internet address that comes after ( www)

For example: <https://www.example.com>

- in the example above the **example** is the domain name
- Your domain name becomes your business address, so take care while choosing a domain name that it should be meaningful , easy to remember and easy to type.

# DOMAIN EXTENSION

- There are many types of domain extension that you can chose for your domain name. depending on your business nature
- For example if you are going to register a domain name for educational purpose then you can choose a .edu domain extension.

# DOMAIN EXTENSION...

- some of the other extensions you can choose from are :
  - .com (stands for company/commercial, but it can be used for any website)
  - .org (stands for organization and it is supposed to be for non-profit organizations)
  - .ca (if you offer services in a specific country, you can choose a country specific extension)
  - .info (info domains can be used for website that share information and news)
  - .tv (more appropriate for tv channel websites)

# TOOLS REQUIRED TO GET STARTED

1. A code editor e.g (vscode, notepad++, sublime text, bracket....)
2. A web browser to see our code result e.g (chrome, mozilla firefox, safari, opera....)

# INTRODUCTION TO HTML

- HTML is the standard markup language for creating Web pages.
- HTML stands for Hyper Text Markup Language
- HTML describes the structure of Web pages using markup
- HTML elements are the building blocks of HTML pages
- HTML elements are represented by tags
- Browsers do not display the HTML tags, but use them to render the content of the page

# A SIMPLE HTML DOCUMENT

```
<!DOCTYPE html>
<html>
  <head>
    <title> Page Title </title>
  </head>
  <body>

    <h1> My First Heading </h1>
    <p> My first paragraph. </p>

  </body>
</html>
```



# A CLOSER LOOK AT HTML TAGS

- HTML tags are element names surrounded by angle brackets:
  - `<elementName>` content goes here... `</elementName>`
- `<p>` this is a paragraph `</p>`
- HTML tags normally come in pairs like `<p>` and `</p>`
- The first tag in a pair is the **start tag**, the second tag is the **end tag** or **closing tag**
- The end tag is written like the start tag, but with a **forward slash** inserted before the tag name

# THE `<!DOCTYPE>` DECLARATION

- The `<!DOCTYPE>` declaration represents the document type, and helps browsers to display web pages correctly.
- It must only appear once, at the top of the page (before any HTML tags).
- The `<!DOCTYPE>` declaration is not case sensitive.
- The `<!DOCTYPE>` declaration for HTML5 is: `<!DOCTYPE html>`

# HTML, HEAD, BODY, TITLE

- Every html document must start with an `<html>` tag and end with `</html>`
- Before the `<body>` element you will often see a `<head>` element.
- This contains information about the page (rather than information that is shown within the main part of the browser).
- The content of the `<title>` element are shown in the top of the browser where you usually type in the URL of the page you want to visit.
- Every thing inside the `<body>` element are shown in the main browser window.

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# Thank you

Have a great  
day ahead.