

Dev. Course L1 Content

by [Shahab Movahhedi](#) - v1 - 2023/08/13

TOC

- Web Basics
- Cryptography
- Blockchain and Web 3.0
- HTML
- CSS
- How to Host a Website

Content

Web Basics

- What is HTTP
- How does a browser work
- Web Security (SSL/TLS)
- Domain
- URL
- URL parts
- IP
- DNS
- NIC
- ISP
- SubDomain
- ICANN
- Server vs Client
- Local vs Public network vs Intranet

Cryptography

- Encode vs Encrypt vs Hash
- RSA
- AES

- MD5

Blockchain and Web 3.0

- What is a database
 - Relational databases
 - Blockchain vs Database
 - Cryptos vs Blockchain
 - Web 1.0, Web 2.0, Web 3.0
 - Blockchain and Metaverse?
 - The Greater Fool Theory
 - Text files vs Binary files in windows
 - What is HTML
 - HTML vs Text
 - HTML & CSS
-

HTML - 1

- How to create an HTML file
- Notepad vs IDEs
- HTML Syntax
- "Element" vs "Tag"
- Singular and Double Tags
- HTML Documents (Start and End)
- HTML Headings
- `p`
- `a` (Link)
- `button`
- Images

File and Directory Paths

- `x/y`
- `x\y`
- `../x`
- `./x`
- `/x`

HTML - 2

- `div`
- HTML Attributes (`name="value"`)
- `style`
- `id`
- `class`
- The `<style>` Element

CSS - 1

- `color`
- `background-color`
- `font-size`
- `font-family`
- `text-align`
- `width`
- `height`

CSS Units

- `px`
- `%`
- `vw`
- `vh`

HTML Head Element

- What is `<head>`
- `<title>`
- Meta Tags
 - Keywords
 - Description
 - OpenGraph tags
- `link:favicon`
- `link:css`

CSS Colors

- What is RGB
- What is CMYK
- Additive and subtractive colors (The rainbow circle)

- RGB to Hex
- CSS Textual colors `red`
- RGB colors (`rgb()`)
- Hex colors (`#fff`)

CSS - 2

- Margins & Paddings & Border
- `margin` , 1-4 syllables
- `padding` , 1-4 syllables
- `border`
- `min-width` & `min-height`
- `max-width` & `max-height`
- `text-decoration`
- `border-radius`
- `cursor`

CSS Displays and Positions - 1

- `display`
- `display: block`
- `display: inline-block`
- `display: none`
- `position`
- `position: relative`
- `position: fixed`
- `position: absolute`

HTML - 3

- HTML comments

...

How to Host a Website

- How to get a domain
- How to get a free small host
- How to connect the domain to the host
- How to upload files to the host

- How to get SSL
-

- How to continue this journey