



HTML



Agenda

- What is HTML
- Tools
- Page Structure
- Quiz
- Assignment



What Is HTML?



What Is HTML?

- HTML stands for Hyper Text Markup Language
- HTML is **not** a programming language.
- HTML is the standard markup language for creating Web pages
- HTML elements tell the browser how to display the content
- HTML describes the structure of a Web page



What Is HTML?

- HTML elements tell the browser how to display the content
- HTML elements label pieces of content such as "this is a heading", "this is a paragraph", "this is a link", etc.



What Is HTML?

```
<!DOCTYPE html>
<html>

  <head>
    <title>Page Title</title>
  </head>

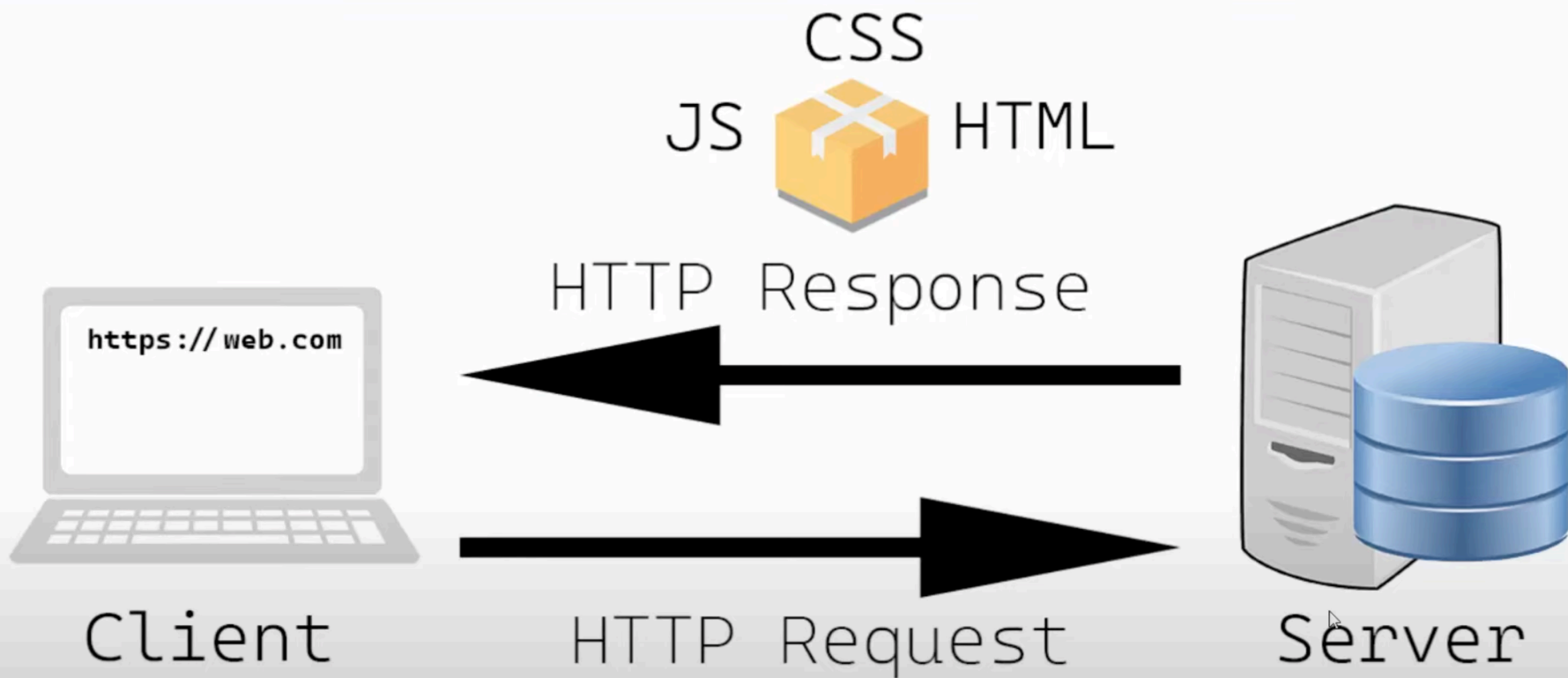
  <body>
    <h1>My First Heading</h1>
    <p>My first paragraph.</p>
  </body>

</html>
```



What Is HTML?

World Wide Web Consortium are making the standards



Tools needed



Tools

- Visual Studio Code – editor
 - Prettier – formatting tool
 - LiveServer
- Chrome / Firefox

Page Structure



Page Structure – HTML Tags

- `<html>`
- `<head>`
- `<title>`
- `<h1> <h2> ... <h6>`



Page Structure – HTML Tags

- `<p>`
- `<!-- -->`
- `` `<i>` `<u>`



Page Structure – HTML Tags & Attributes

- ` `
- `
 <hr>`
- ``
- `<input type="password"> <button> <label>`



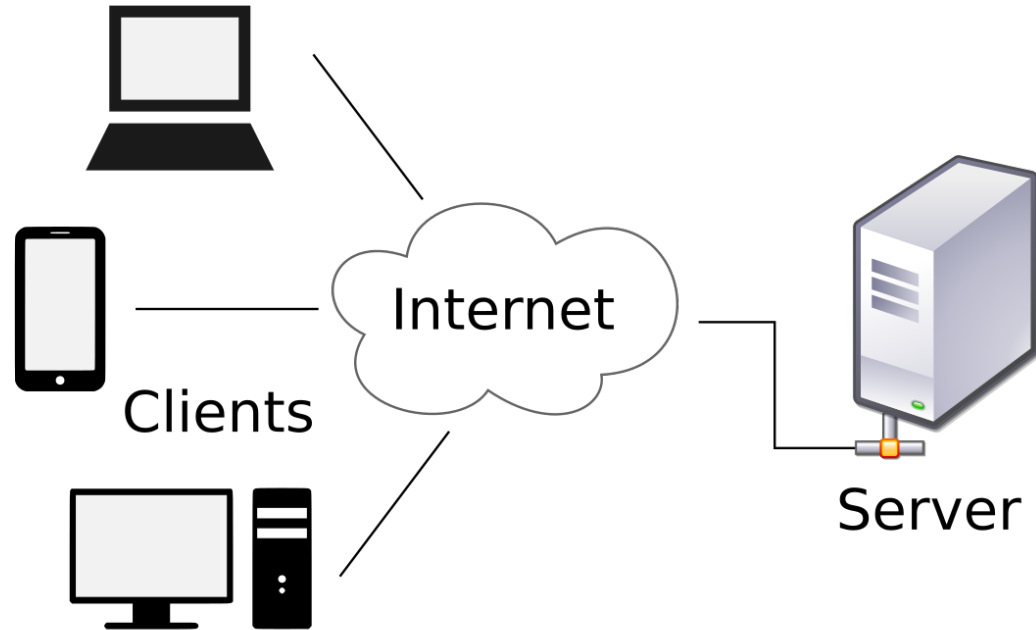
Page Structure – HTML Tags & Attributes

- `<div> `
- `<table> <th> <tr> <td>`
- `<form action="/action_page.php">`
 `<label for="fname">First name:</label>
`
 `<input type="text" id="fname" name="fname" value="John">
`
 `<label for="lname">Last name:</label>
`
 `<input type="text" id="lname" name="lname" value="Doe">

`
 `<input type="submit" value="Submit">`
 `</form>`

Live Server

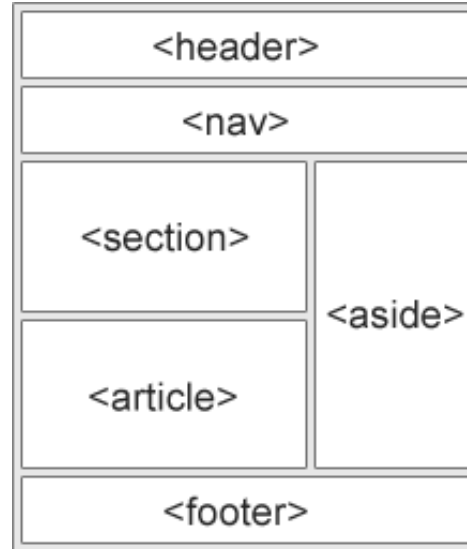
- What is a server





Page Structure - Semantic Tags

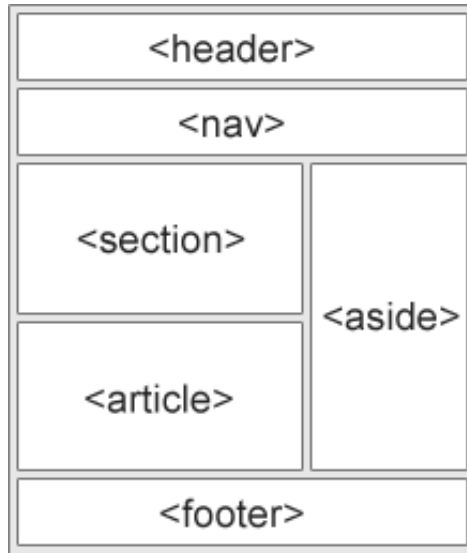
- `<header>`
- `<nav>`





Page Structure - Semantic Tags

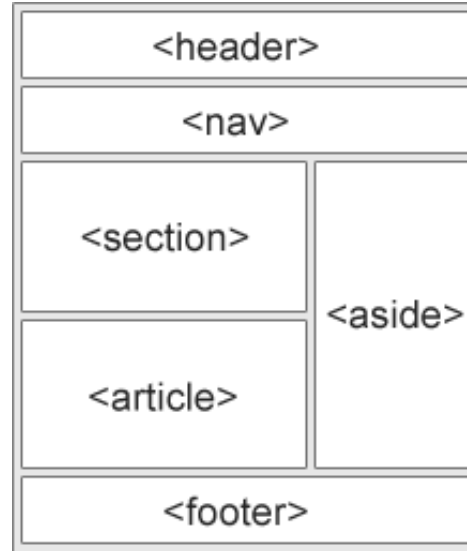
- <article>
- <aside>
- <details>
- <figcaption>
- <figure>
- <footer>
- <header>
- <main>
- <mark>
- <nav>
- <section>
- <summary>
- <time>





Page Structure - Semantic Tags

- <article>
- <aside>
- <details>
- <figcaption>
- <figure>
- <footer>
- <header>
- <main>
- <mark>
- <nav>
- <section>
- <summary>
- <time>





Page Structure - Meta Tags

- `<meta charset="UTF-8">`
- `<meta name="description" content="Fast Track IT curs">`
- `<meta name="author" name="Alex Ghiurau">`
- `<meta name="viewport" content="width=device-width, initial-scale=1.0">`



Page Structure - Script & Link Tags

- `<script src="./index.js" type="text/javascript"></script>`
- `<link rel="stylesheet" href="style.css">`

Or inline

- `<script></script>`
- `<style></style>`



Page Structure – Automatic generation

- `<meta charset="UTF-8">`
- `<meta name="description" content="Fast Track IT curs">`
- `<meta name="author" name="Alex Ghiurau">`
- `<meta name="viewport" content="width=device-width, initial-scale=1.0">`



Page Structure – A href

- ``

Quiz

Assignment



Assignment

- Using the knowledge you gained in a folder:
 - Assignment_Nume_1
 - Index.html
 - Statistics.html
 - Contact.html



Assignment

- All pages will contain `<head>` `<title>` `<div>` tags



Assignment – Index

- Will contain `<p>` `<div>` `<a>` `` `` `<u>` `<i>` ``
- Using the text resource populate Index page like in the image (index.png)
- Extra points:
Index page should also have a hrefs to own page sections (Voluptua, Far, Kafka)

(see a href documentation with `<div id="some-id">` along with a href on how to do this)
documentatie: <https://marksheet.io/html-links.html>



Assignment – Contact

- Will contain `<p>` `<div>` `<a>` `<input>` `<textarea>` `<button>`
- Reference to index and statistics page
- Display a contact form with
 - username,
 - password,
 - place to write content (textarea),
 - submit button



Assignment – Statistics

- Will contain `<p>` `<div>` `<a>` `<table>` `<th>` `<tr>` `<td>`
- Reference to index and contact page
- Display a table having the following data
 - Nr
 - County (10 county's are enough)
 - Total cases
 - Population



Assignment – References

- <https://www.w3schools.com/tags/default.asp> (gasiti in stanga toate tagurile si docs)
- <https://marksheet.io/html-links.html> (cititi cu atentie pentru a implementa extra points in index)