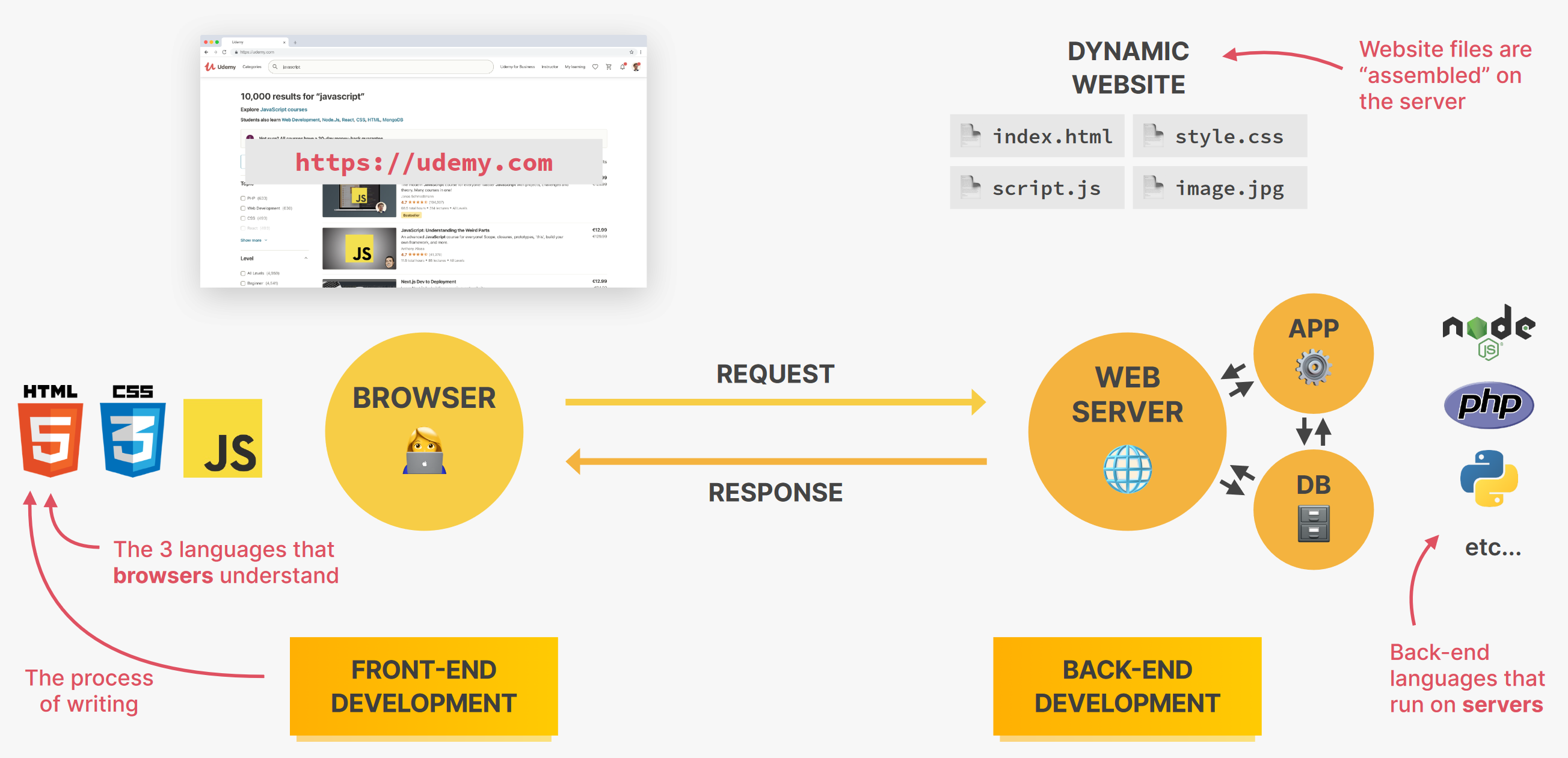
**Lesson 1: Overview of Web Development**

**Front-end vs Back-End**

* Every website is stored on some sort of server
* A browser sends a request to these servers to access a web page
* The server takes all the files that makes up the website and sends it back to the browser, this is called a response
* Websites are written in HTML, CSS, and JavaScript. These are the files that are included in the response.
* The browser will take these files and then render them out into the desired webpage
* The process of writing these files is called **front end development**
* When these files are unchanged, we call the website static
* When we need to change the contents of a website, we need multiple components including a database to change what is displayed at any given moment
* To achieve this, we write a program to dynamically assemble the front-end files from a database whenever they need to be sent to a browser
* The process of writing these files is called **back-end development**
* In this situation, the website is called dynamic

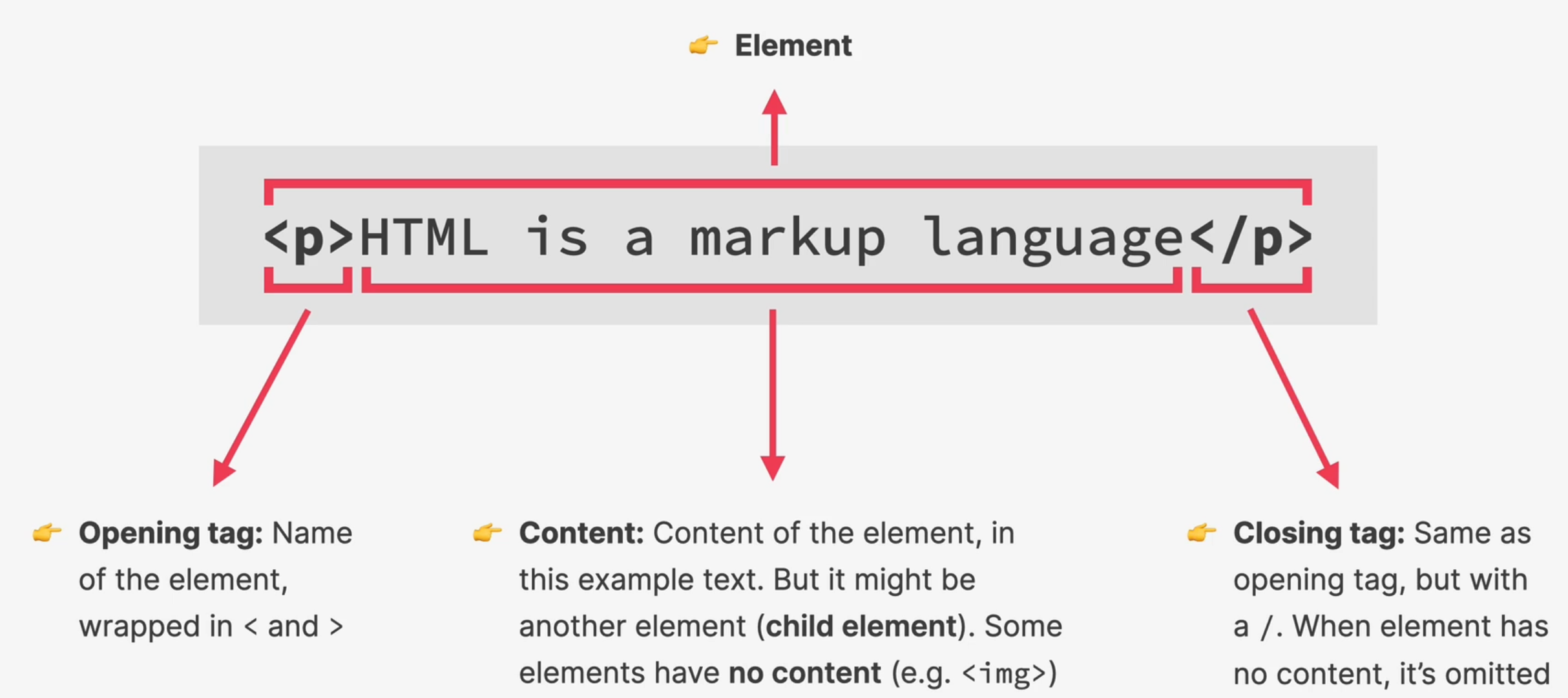


**Languages Used**

* HTML
  + The content of the webpage – text, images, buttons, etc
  + Is a noun. The website has text
* CSS
  + The presentation of the content – how its styled and laid out
  + Is an adjective. The text is red
* JS
  + Adds dynamic effects and web applications
  + Is a verb. The text is hidden when the user hovers over it

**Lesson 2: Intro to HTML**

* HTML stands for Hyper Text Markup Language
* Used to structure and describe the content of a webpage
* Is a markup language, not a programming language
* Consists of elements that describe types of content
  + Paragraphs <p></p>
  + Headings <h></h>
  + Links
  + Images
  + Videos
  + Etc
* Browsers understand HTYML and render the code as a website



**Lesson 3: HTML Document Structure**

<!DOCTYPE html> // tells the browser how to render the following code

<html>

// The TAB

  <head>

    <title>The Basic Language of the Web: HTML</title> // the tab title

  </head>

// The Actual web page

  <body>

    <h1>The Basic Language of the Web: HTML</h1> // first heading shown on webpage

  </body>

</html>

**Lesson 4: Text Elements**

* h1, h2, h3…. Gets smaller the higher the number
* <p></p> for paragraphs
* <strong>CONTENT</strong> to bold text
* <em></em? to italicise