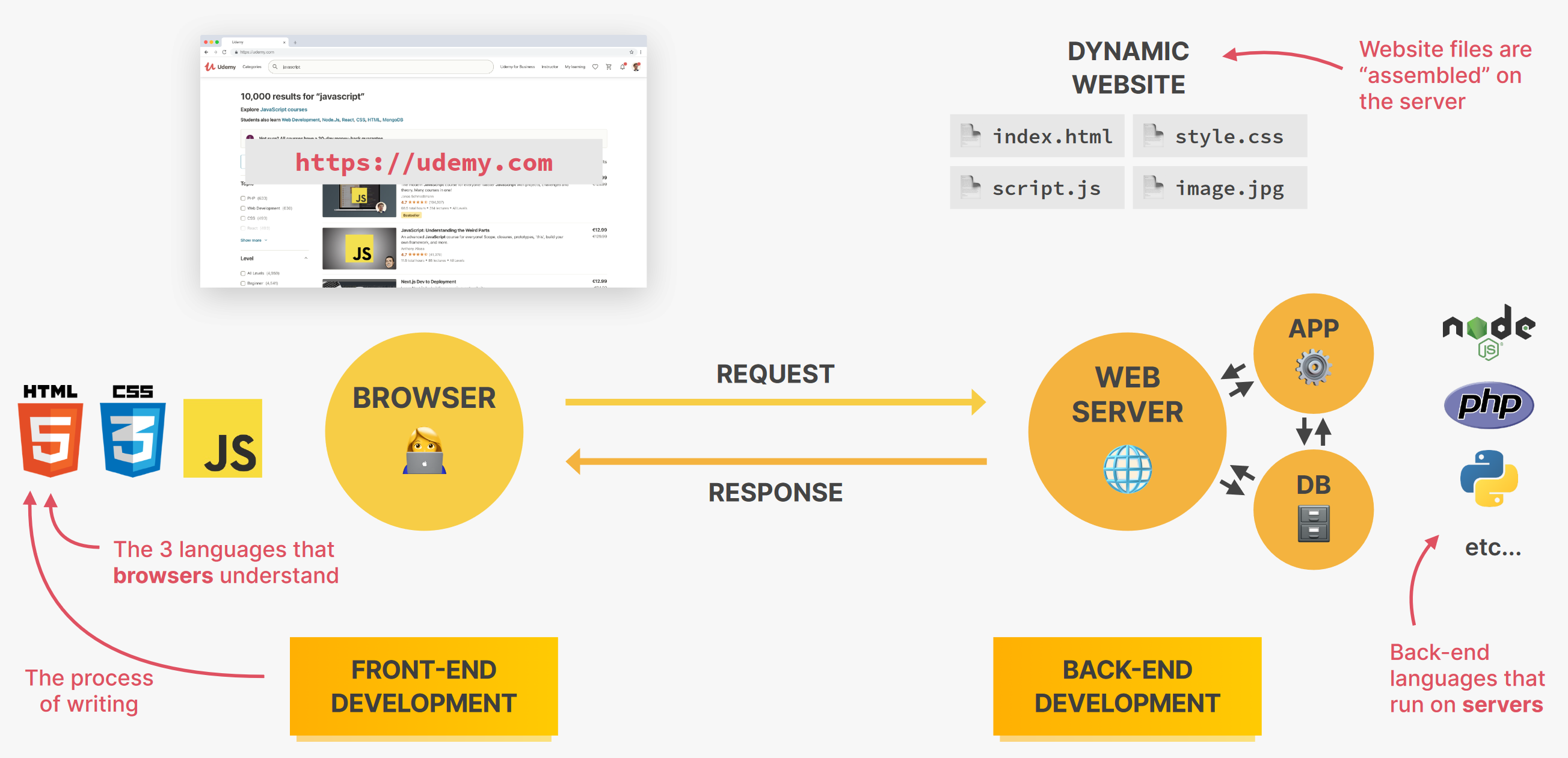
**Lesson 1: Overview of Web Development**

**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