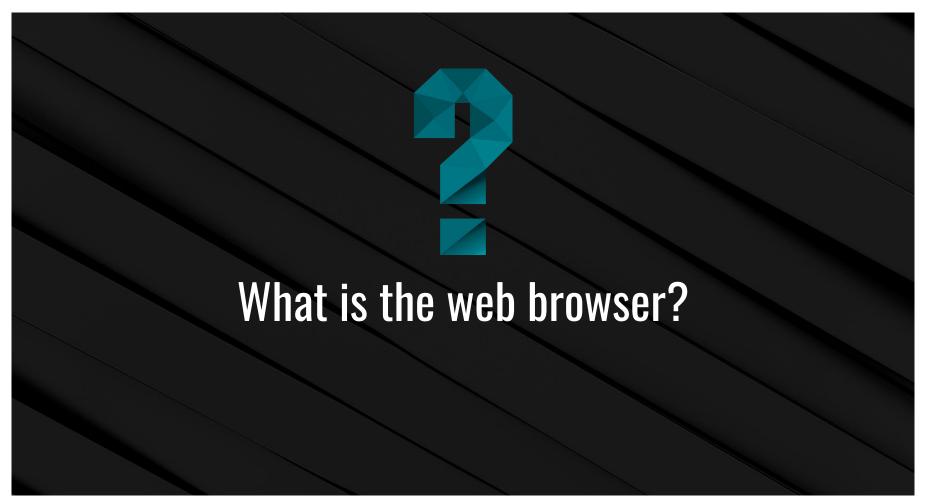


**Coding Boot Camp** 

Module 04





A web browser, or browser, is a program used to access information on the World Wide Web.

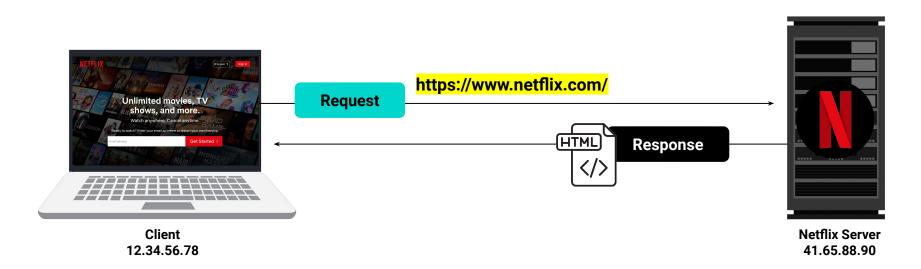






## **Browsers Access Information on the Web**

Every webpage, image, and video on the web can be accessed via a specific **Uniform Resource Locator (URL)**. Browsers use the URL to retrieve resources from a web server and display them on a user's device.





An API (Application Programming Interface) is a set of methods, properties, events, and URLs that developers use to interact with components of a user's web browser.

## **Application Programming Interface**

APIs can also interact with data sets, hardware or software on a user's computer, and third-party software and services.



AirBNB uses
Google's API for maps



Google Searches for weather uses the Weather API

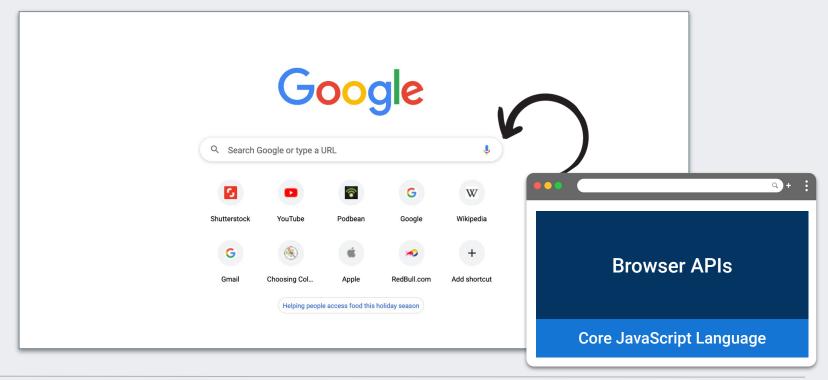


Even <u>iQuery</u> is an API

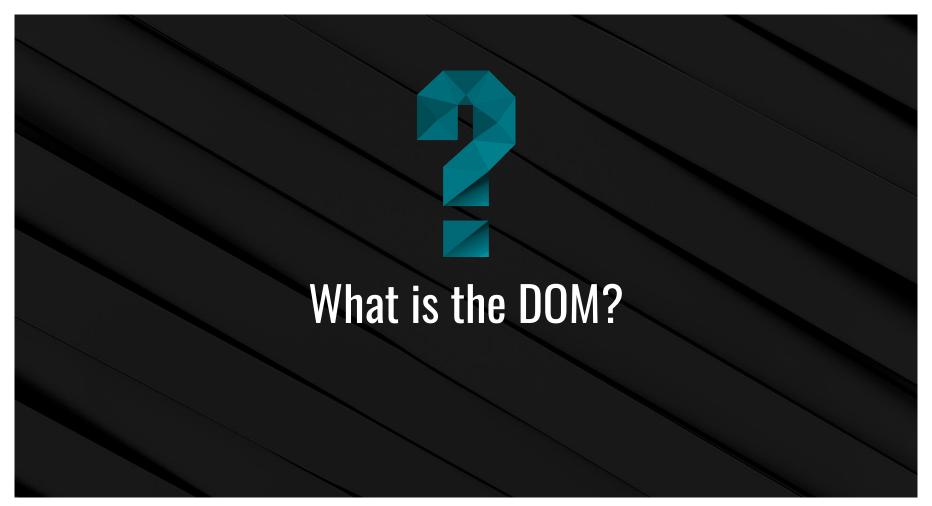


## Web APIs Use JavaScript to Manipulate Webpages

Web APIs are built into the web browser and contain methods that allow us to manipulate a webpage using JavaScript.



We use Web APIs to create elements and add them to the browser or to add and remove styles and attributes—all via JavaScript.



## The Document Object Model

When we open a webpage, the browser creates a tree of objects that represent the opened page. That tree of objects is the DOM, or Document Object Model.

Element

<head>

Element

<title>

Text

"My title"

