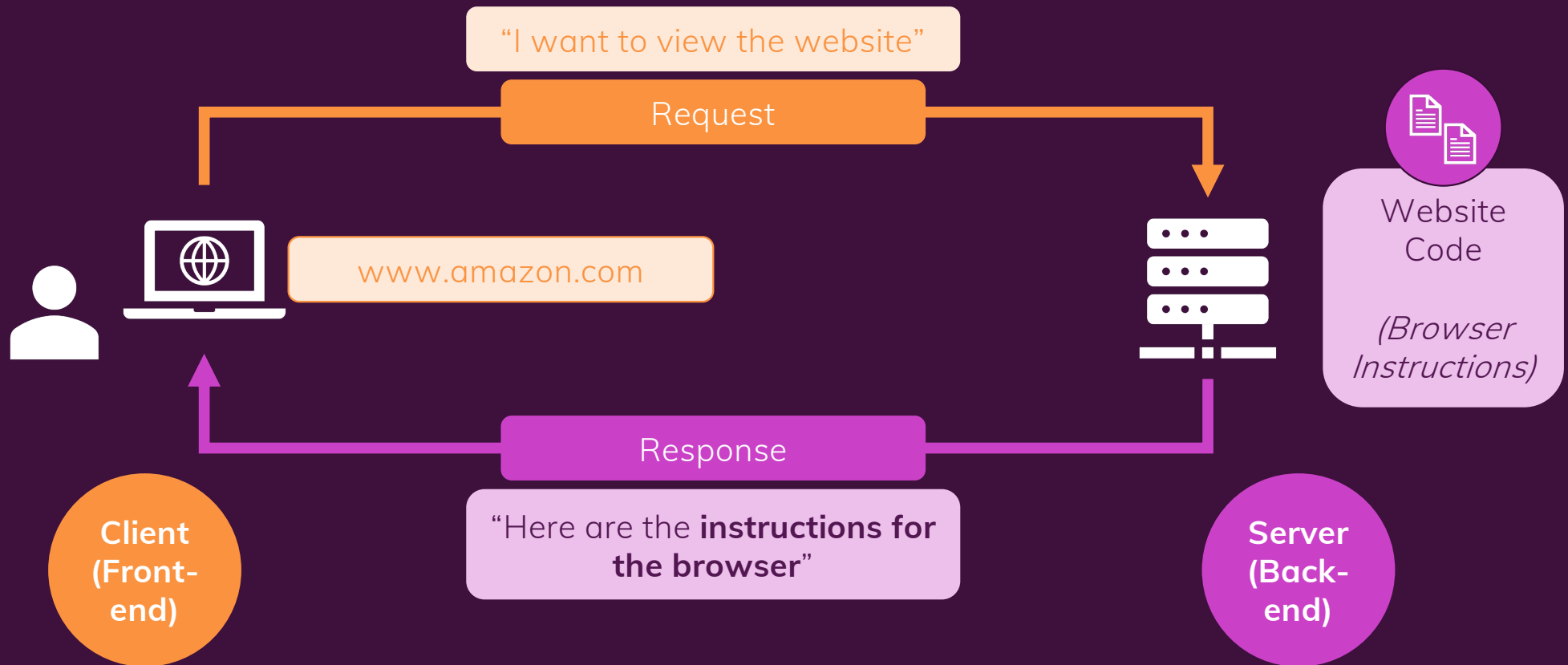


How The Web Works



What is “Hosting” or “Deployment”?

Deploying a Website: Moving the website code onto a remote machine (“server”) that serves the site to visitors

Hosting: The remote machine (“server”) hosts (stores) the website code and serves it to visitors

If a website should be visible to other people, it needs to be hosted / deployed



A remote machine (“server”) holds the website code and sends it to browser that sent a request to that remote machine

How Do You “Host Your Website”?

You could take your own computer, **install and configure some web server software** on it and **configure your local network such to let external requests into it**

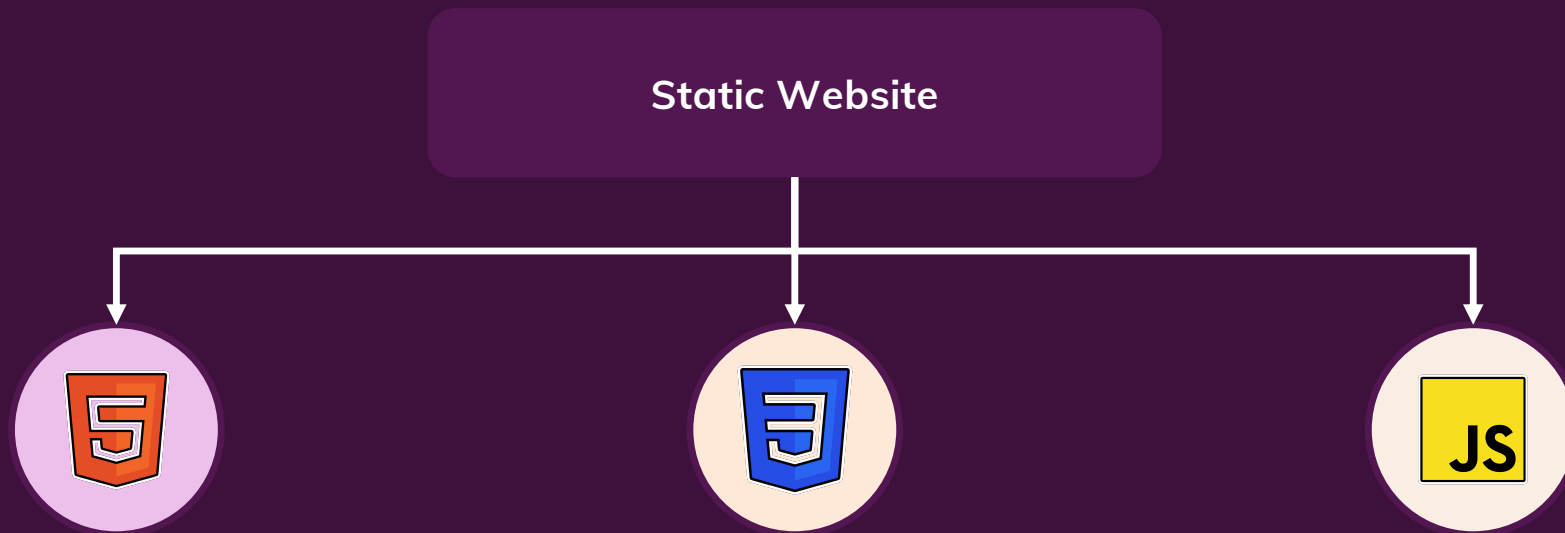


But: This will very likely **NOT be secure** and will **NOT scale** (i.e. if too many users visit your website at the same time, your network or computer might crash)



That's why we use dedicated hosting services (companies specializing on hosting websites) instead

Thus Far, We Know How To Build “Static Sites”



Static sites are websites built with only HTML, CSS & JavaScript. Later, we'll also learn about other “website building blocks” that might force us to build a “dynamic site” instead (will be covered later!).

Relative vs Absolute Paths

Relative Path

`images/my-image.jpg`



Look for files and folders **relative from the source file** (i.e. the file that contains this path)

Absolute Path

`/images/my-image.jpg`



Look for files and folders **relative from the root folder** (i.e. the main project folder that is being served)