



Waterford Institute of Technology



WEB SERVICE

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INTERNET VS WEB

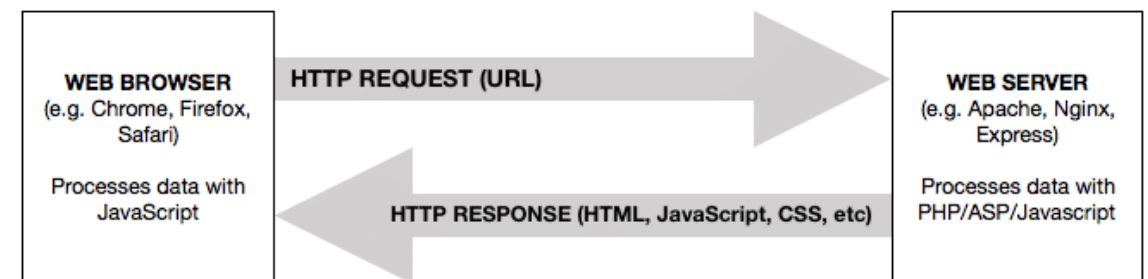
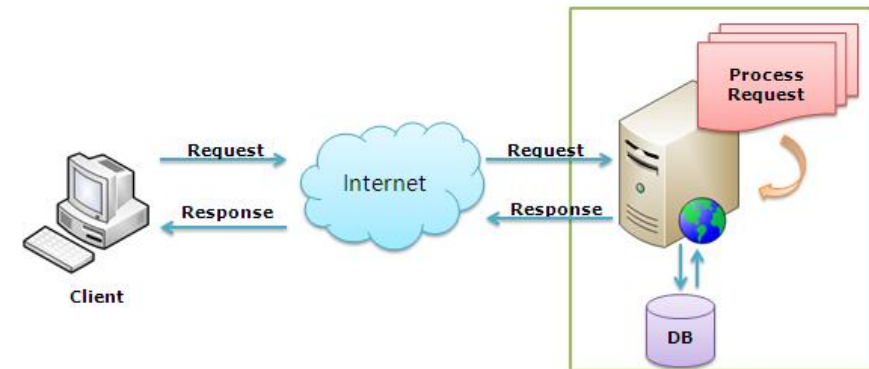
- Many people use the terms Internet and World Wide Web interchangeably
- But in fact the two terms are not synonymous.
- The Internet and the Web are two separate but related things.
- The **internet** is a massive network of networks, a networking infrastructure.
- The **World Wide Web**, or simply web, is a way of accessing information over the medium of the internet.

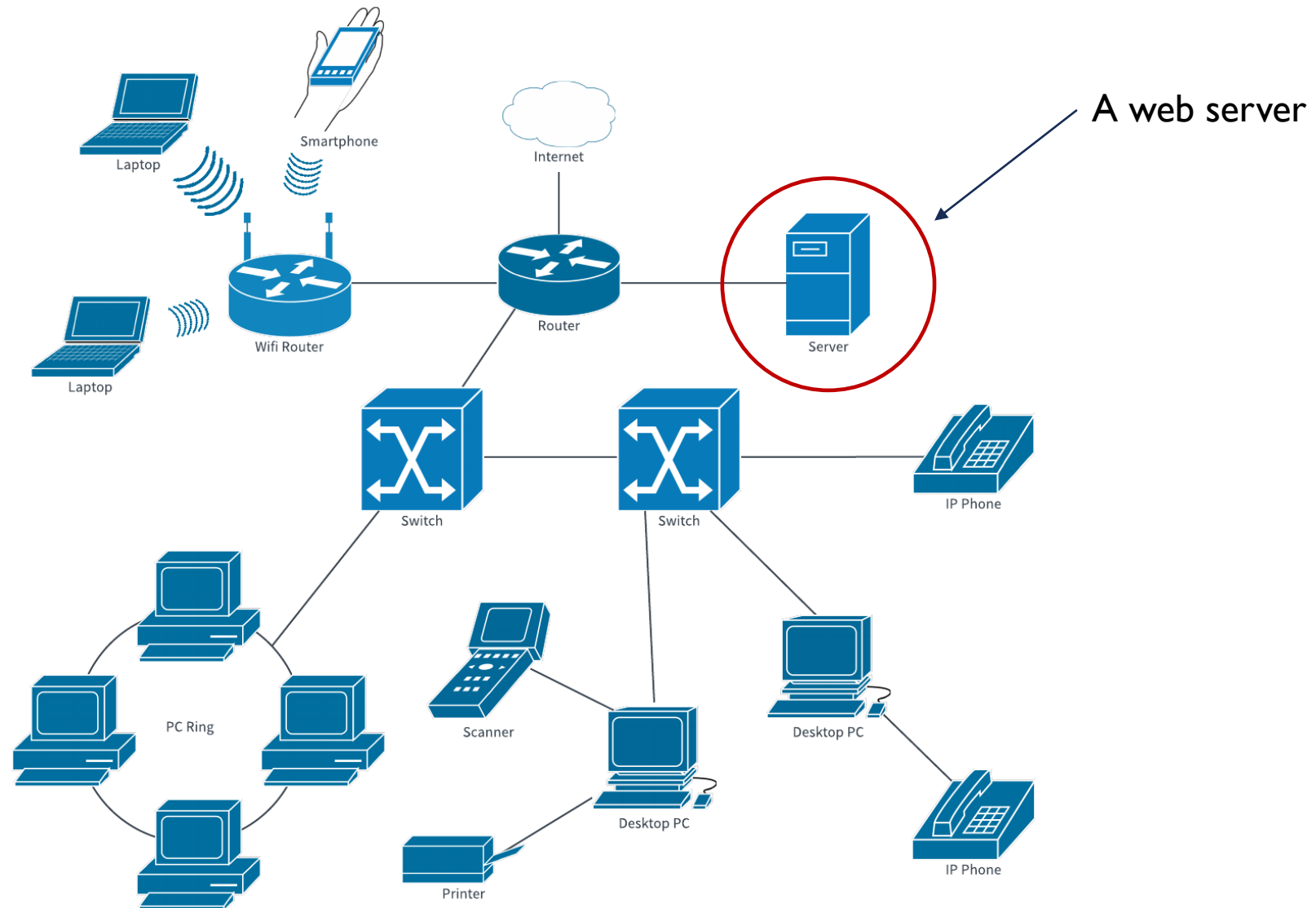
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WHAT IS A WEB SERVER?

- A web server is a computer that stores web server software and a website's component files. (for example, HTML documents, images, CSS stylesheets, JavaScript, and php files)
- Clients send a “request”
- Server reads request, generates “response”
- Client interprets response appropriately.

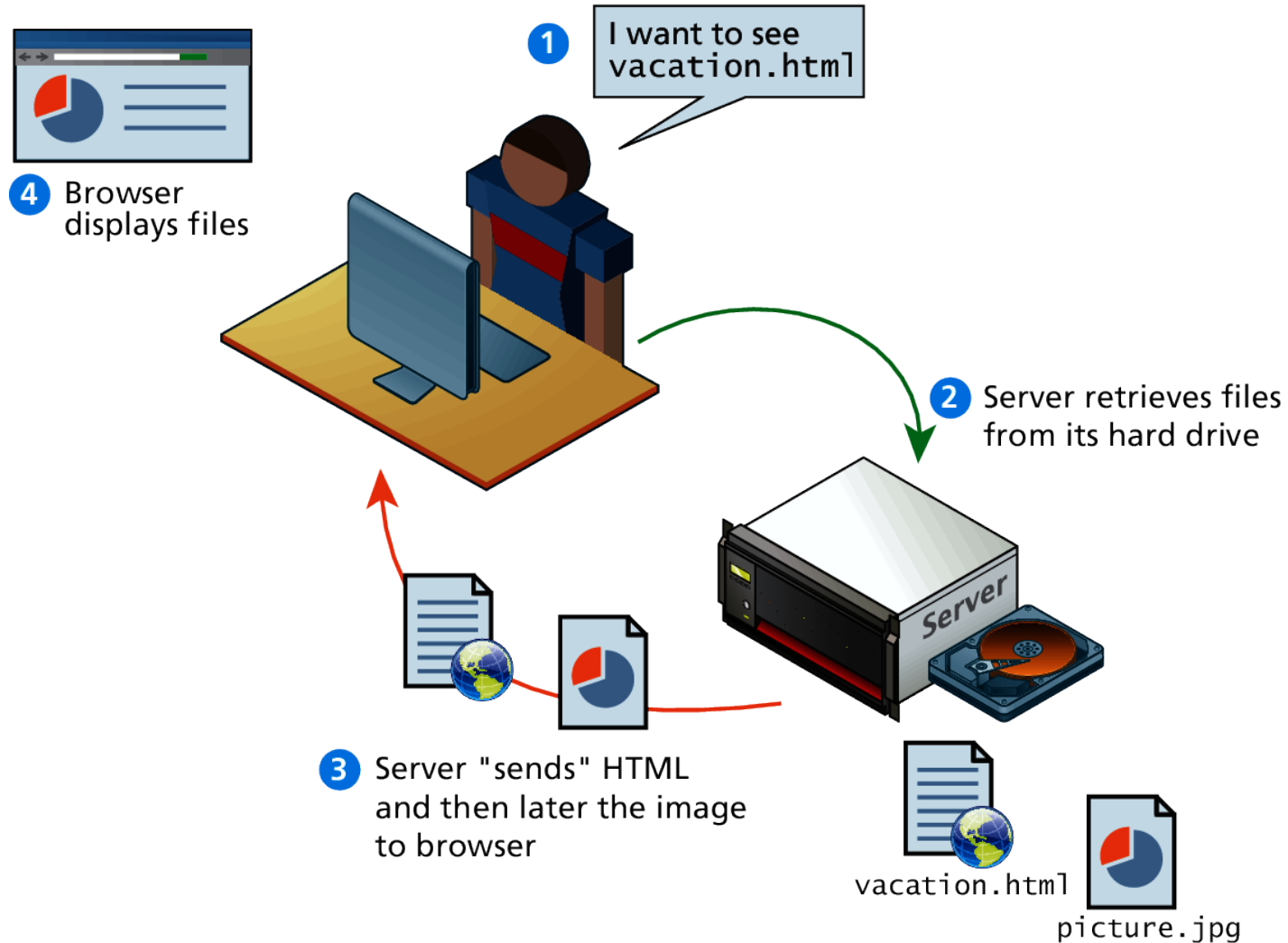




STATIC WEB SITES

- In the earliest days of the web, a **webmaster** (the term popular in the 1990s for the person who was responsible for creating and supporting a web site) would publish web pages, and periodically update them.
- In those early days, the skills needed to create a web site were pretty basic: one needed knowledge of the HTML markup language and perhaps familiarity with editing and creating images.
- This type of web site is commonly referred to as a **static web site**, in that it consists only of HTML pages that look identical for all users at all times.

STATIC WEB SITES

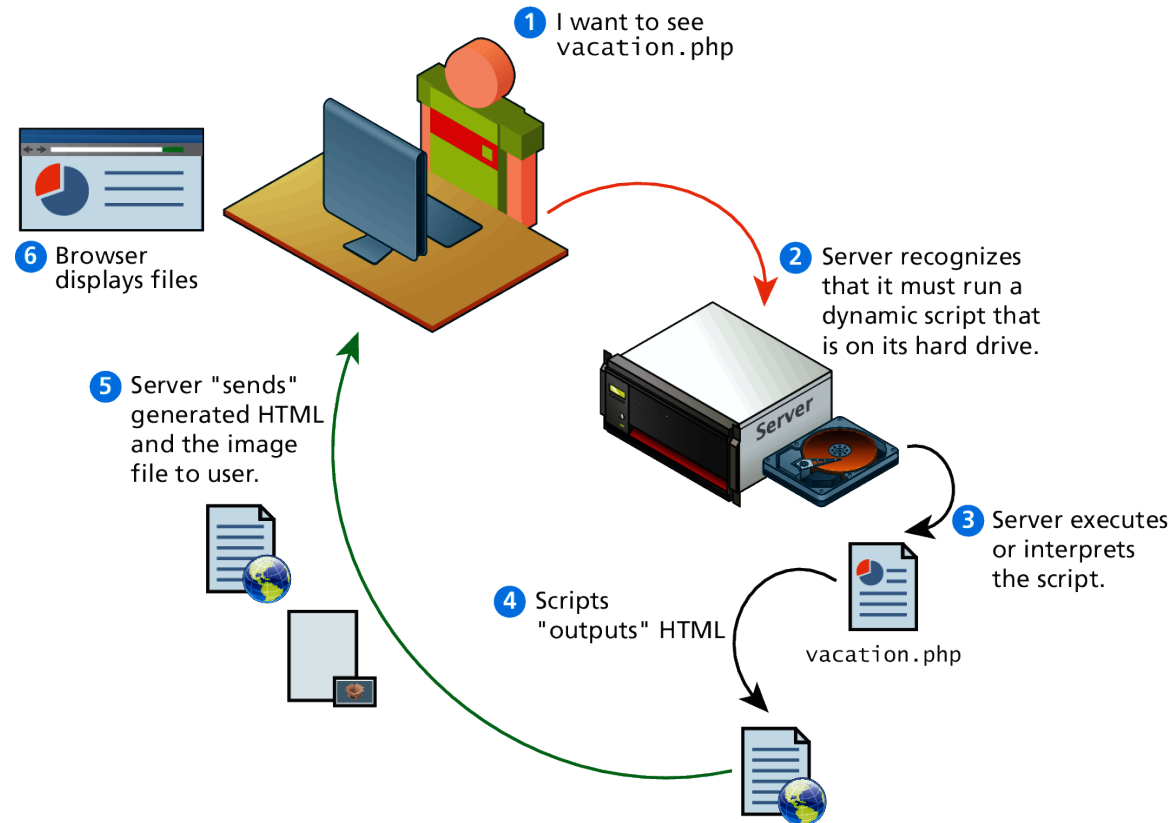


DYNAMIC WEB SITES

- These server-based programs would read content from databases, interface with existing enterprise computer systems, communicate with financial institutions, and then output HTML that would be sent back to the users' browsers.
- This type of web site is called here in this book a **dynamic web site** because the page content is being created at run-time by a program created by a programmer; this page content can vary for user to user.

DYNAMIC WEB SITES

- Within a few years of the invention of the web, sites began to get more complicated as more and more sites began to use programs running on web servers to generate content dynamically.



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