

Website Deployment

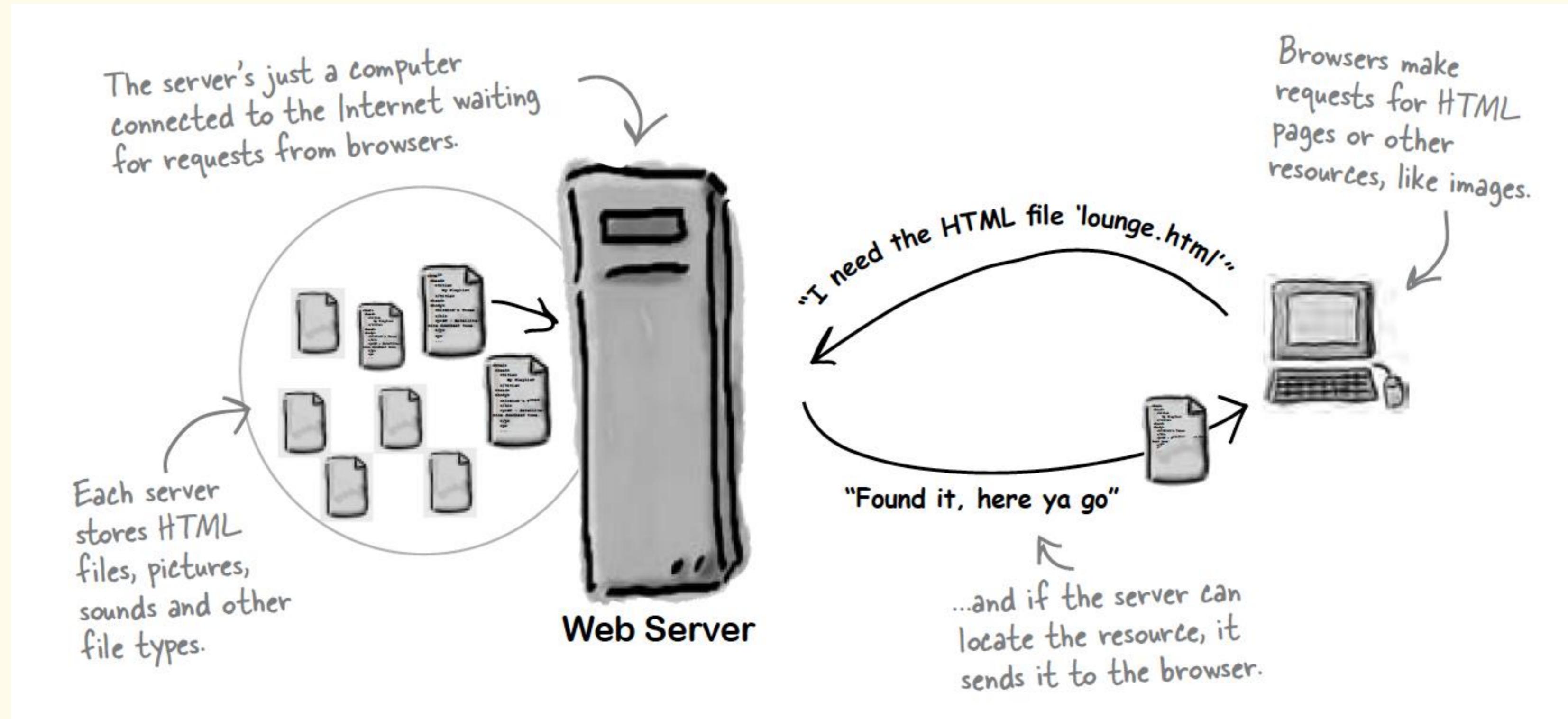
Website Development 1

Clients and Servers

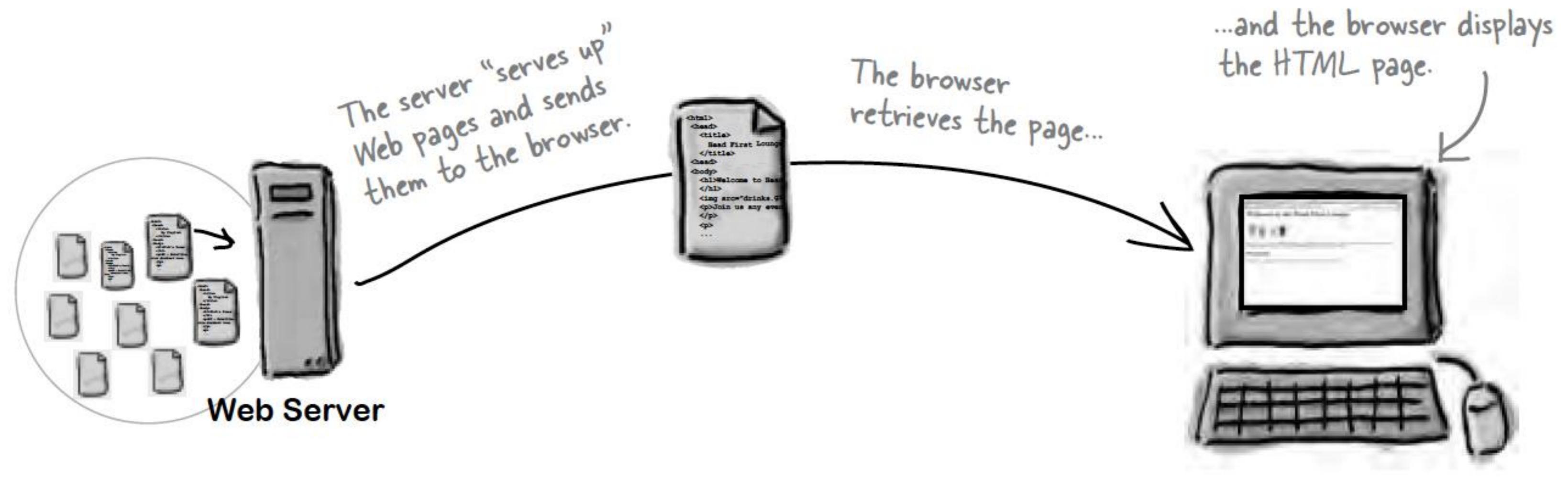
- Client/Server Computing:
 - The interaction between two programs when they communicate across a network.
 - A program at one site sends a request to a program at another site and awaits a response.
 - The requesting program is called a client; the program satisfying the request is called the server.



Role of web Server



Role of Client



Web hosting

- Web hosting means **storing your web site on a public server.**
- Web hosting normally includes **email services.**
- Web hosting often includes **domain name registration.**
- To get your pages on the Web, you need a server that actually lives on the Web full-time.

Web hosting

- For any website to be available online, it has to be stored on some server / computer that is connected to the Internet. That server where you store your website is your host.
- The host could be anywhere in the world but it has to have these simple things:
 - Power
 - Internet connection
 - Dedicated IP address

Web hosting

- Web hosting companies offer different solutions in relation to the disk space and monthly traffic a website will use.
 - Disk space:
 - Simple websites average around 150 MB, but websites with large amounts of audio/video content or storing large amounts of data will need more
 - Monthly traffic (bandwidth):
 - Most sites use 5GB or less each month; however, sites with a lot of visitors will use more

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.COM

The global online standard tld.

.CO.UK

The extension of choice if you're doing business in the UK.

.IRISH

The domain name for the global Irish community.

.EU

Your company is European or you are focused on the European Union Market

Web Hosting

Choose your hosting package

Mega Hosting

Perfect for simple or personal websites, small business and portfolio style websites. Includes basic email.

from €3.33/mo*

MORE



Giga Hosting

Ideal for small to medium business and e-commerce websites or a busy content-managed blog. Includes basic email.

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Tera Hosting

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Includes basic email.

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Alternatives

- There are some alternatives to paid website hosting
 - Free website hosting:
 - Some providers offer a free plan; these are normally quite limited
 - GitHub pages:
 - Create a website directly from a repository on GitHub
 - Netlify:
 - Build and deploy websites from GitHub (and other platforms)

Netlify



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Get started



GitHub and Netlify

- In this week's lab, we will:
 - Create a **GitHub** repository to store our Website Development 1 labs
 - Connect this repository to **Netlify**
 - Use Netlify to deploy a website
 - Further updates to the GitHub repository will (almost) instantly appear on our Netlify website