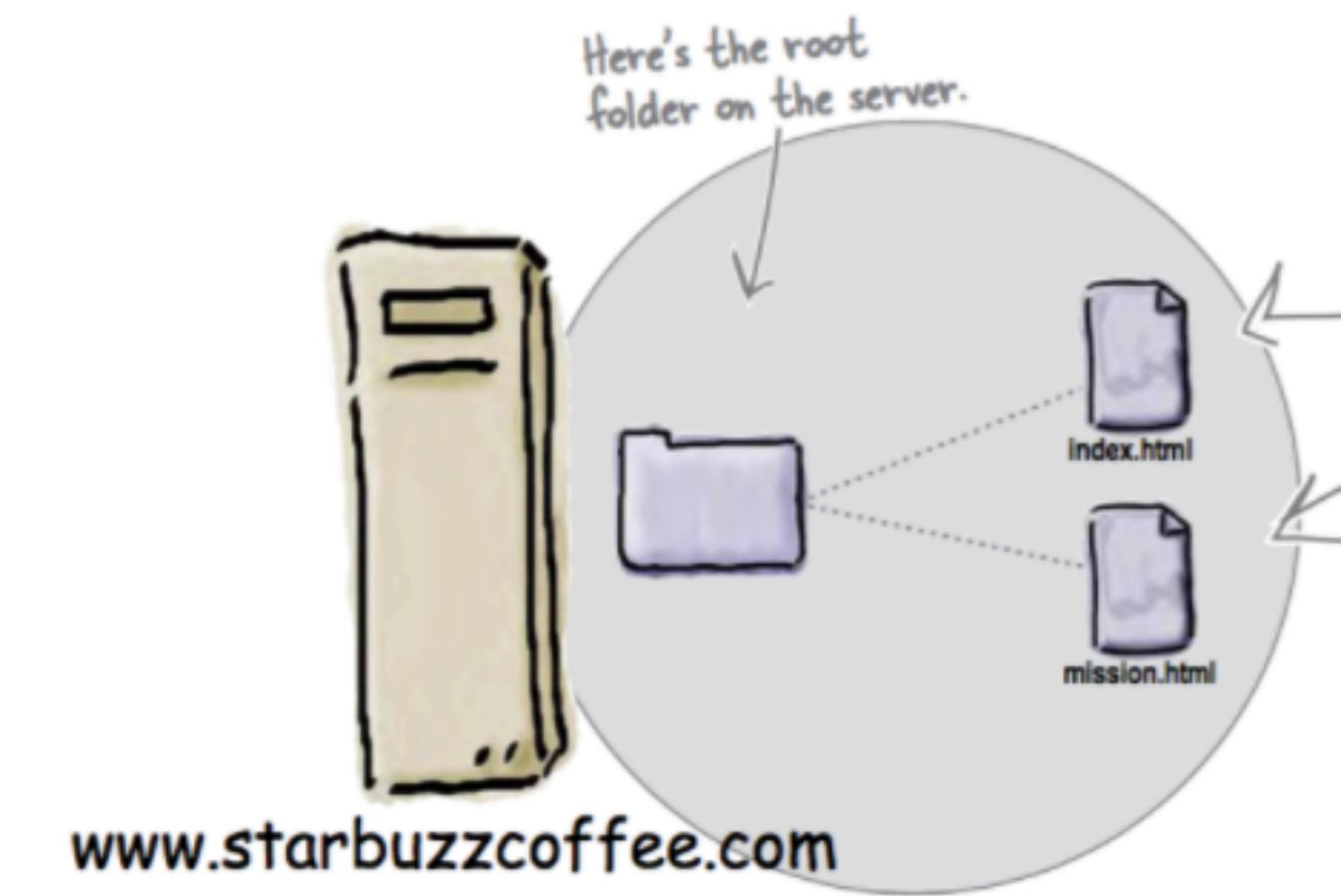


Deployment



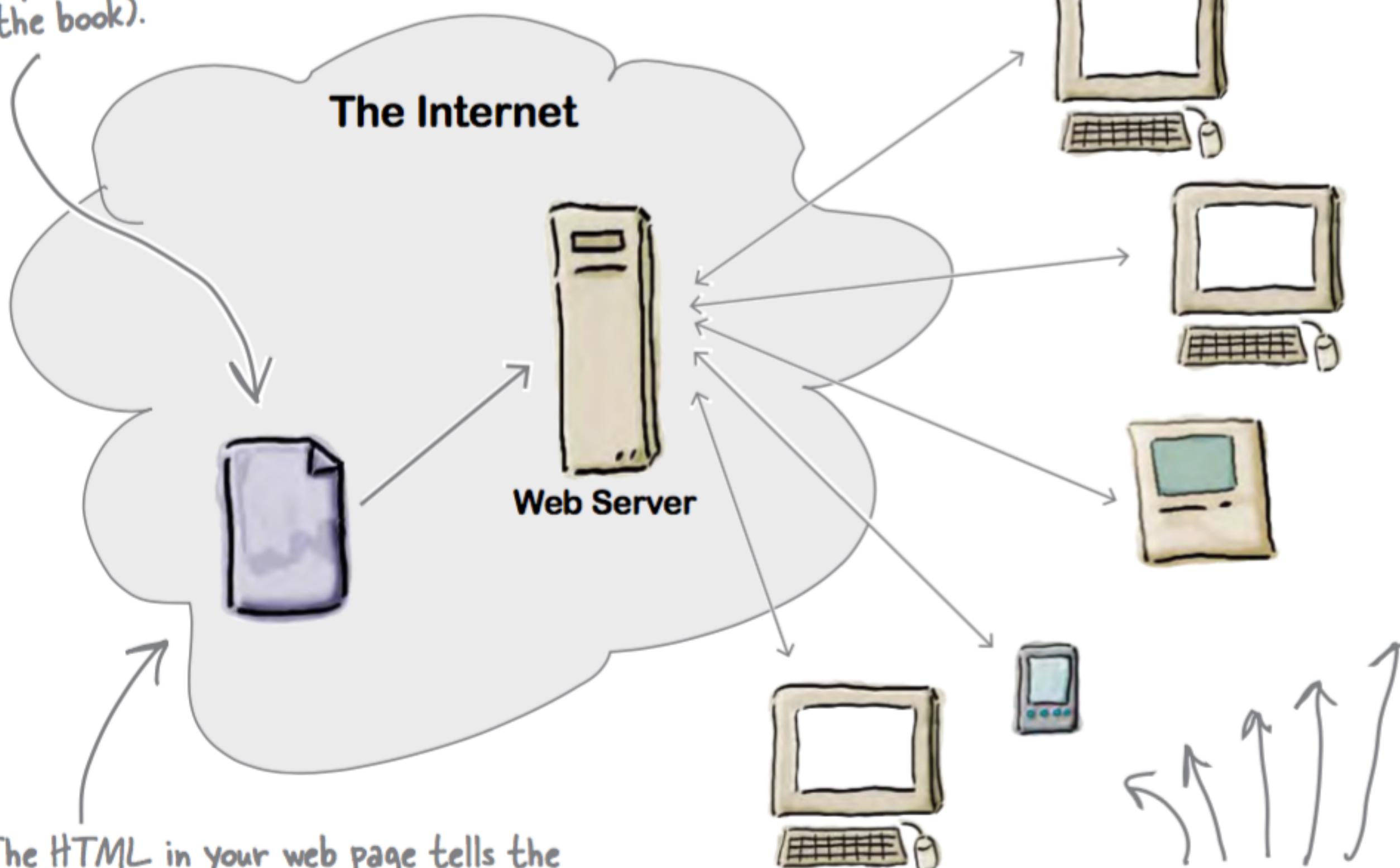
clients · servers · hosting ·
domains · dns · paths · http
· response codes

Deployment Issues

- Clients & Servers
- Hosting Providers
- Domain Names
- Transferring the Sites Files
- HTTP
- Absolute & Relative Paths



To make web pages, you create files written in the HyperText Markup Language (HTML for short) and place them on a web server (we'll talk about how to get your files on a server later in the book).

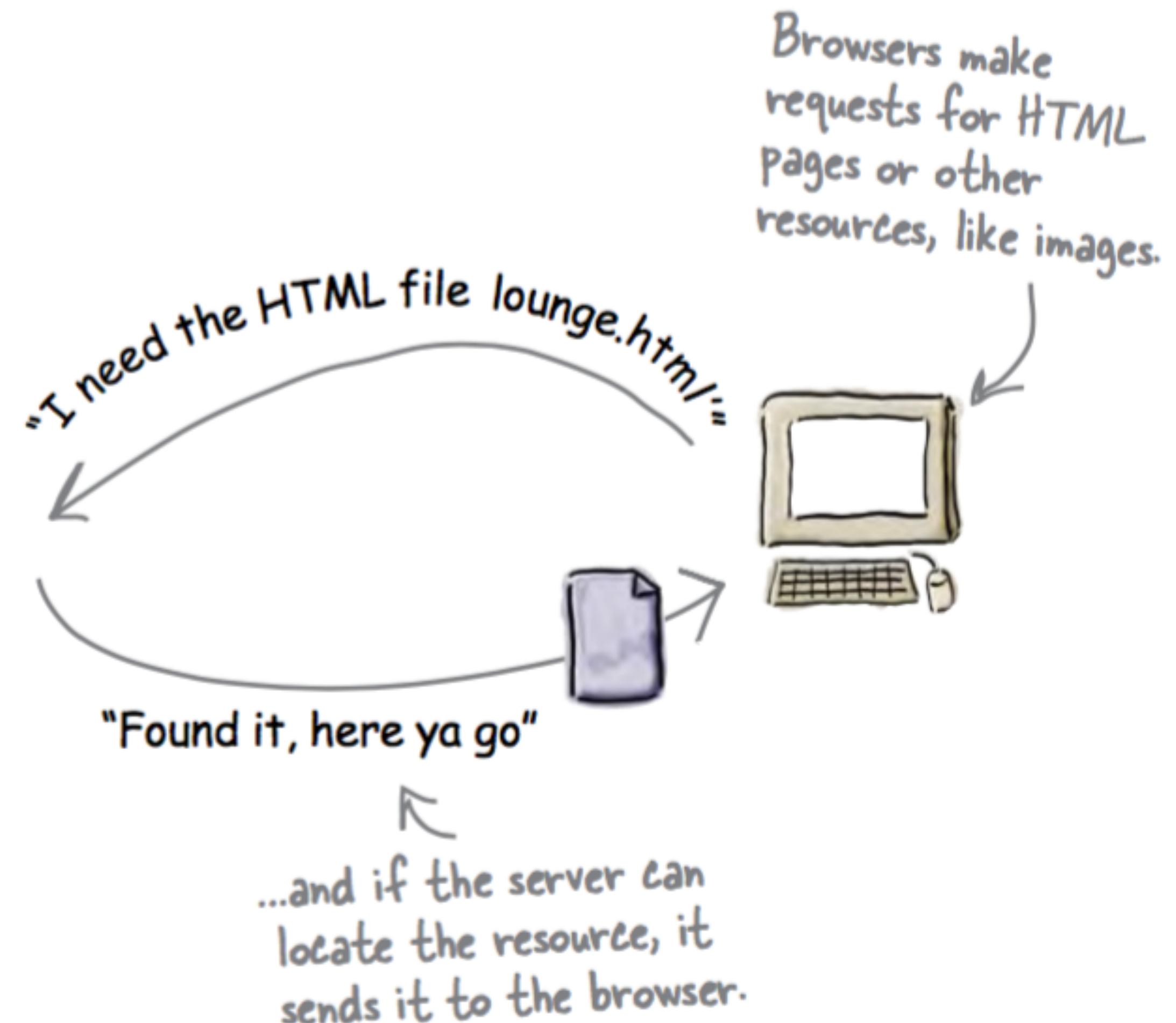
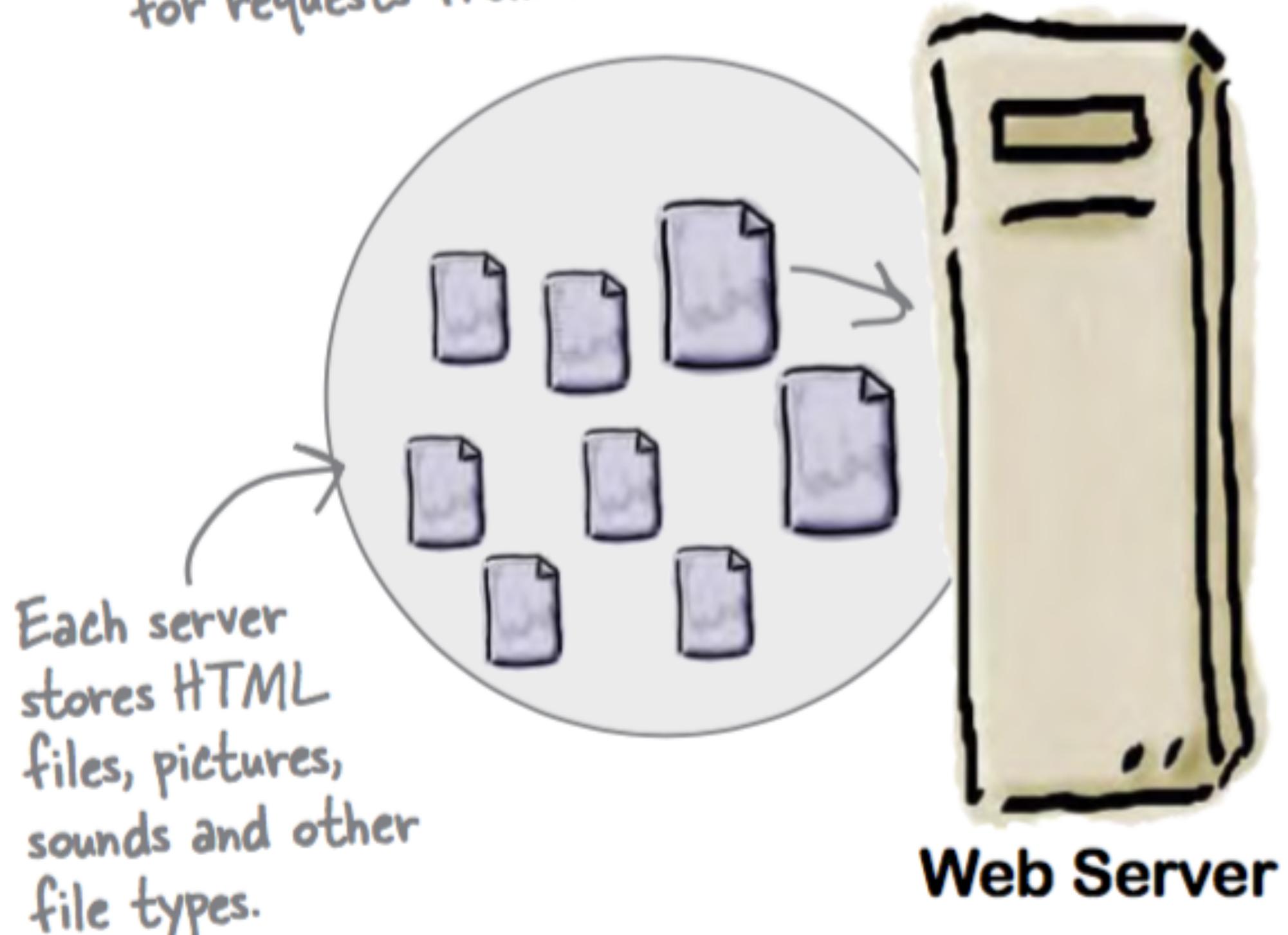


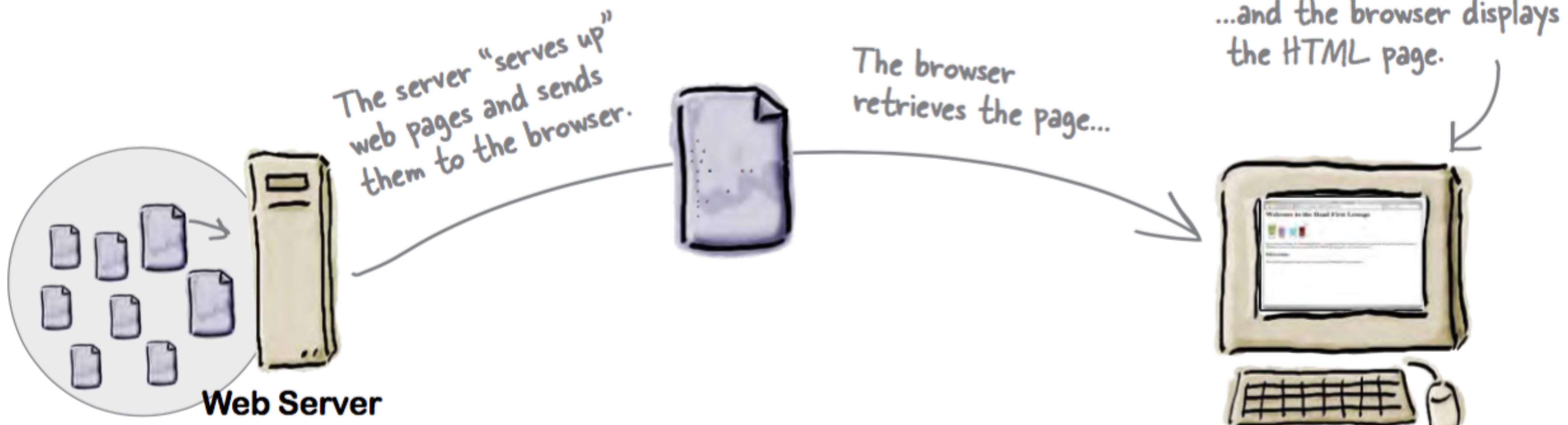
The HTML in your web page tells the browser what it needs to know to display your page. And, if you've done your job well, your pages will even display well on cell phones and mobile devices, and work with speech browsers and screen magnifiers for the visually impaired.

Once you've put your files on a web server, any browser can retrieve your web pages over the Internet.

And there are a lot of PCs and devices connected to the Internet all running web browsers. More importantly, there are friends, family, fans, and potential customers using those devices!

The server's just a computer connected to the Internet waiting for requests from browsers.





Hosting Company

- To get your pages on the Web, you need a server that actually lives on the Web full-time.
- Find a hosting company and let them worry about the details of keeping a server running.



Hosting Company Checklist



- **Technical support:** Does the hosting company have a good system for handling your technical questions?
- **Data transfer:** This is a measure of the amount of pages and data the hosting company will let you send to your visitors during a given month
- **Backups:** Does the hosting company regularly make a backup of your pages and data that can be recovered in the event that the server has a hardware failure?
- **Domain names:** Does the hosting company include a domain name in its pricing
- **Reliability:** Most hosting companies report keeping websites up 99% of the time or better.
- **Add-ons:** Does your package include other goodies such as email addresses, forums, or support for scripting languages

Domain Names

This part is the domain name.

www . starbuzzcoffee . com

This part is the
name of a specific
server IN the
domain.

There are different domain "endings"
for different purposes: .com, .org, .gov,
.edu; and also for different countries:
.co.uk, .co.jp, and so on. When choosing a
domain, pick the one that best fits you.

ICANN

- Domain names are controlled by a centralized authority (ICANN) to make sure that only one person at a time uses a domain name.
- Hosting Companies will often throw in your domain name registration with one of their package deals.
- Register of domain name registration companies:
 - <https://www.internic.net/regist.html>

The screenshot shows the ICANN website homepage. At the top, there's a banner for ICANN55 Marrakech, which took place from March 5-10, 2016. The banner features a sunset over a city skyline and includes text about hotel bookings being open and a link to the ICANN55 website. Below the banner, there's a navigation bar with links for English, العربية, Español, Français, Русский, 中文, and a search bar. The main content area has sections for "GET STARTED", "NEWS & MEDIA", "POLICY", "PUBLIC COMMENT", "RESOURCES", and "COMMUNITY". A large graphic on the right side promotes ICANN55 Marrakech.

News and Announcements

Experts Wanted for New gTLD Program Review



ICANN is seeking experts in consumer protections, economics & security to help examine the effects of new gTLDs on the domain name industry. Members of this pioneering group will represent the broader community & their analysis will impact future rounds of the New gTLD Program. Applications

The screenshot shows the InterNIC Registrar Listing page. The header includes the InterNIC logo and links for Home, Registrars, FAQ, and Whois. The main content is titled "The Accredited Registrar Directory" and lists companies accredited by ICANN. It includes links for "Alphabetical Listing by Company/Organization Name", "Listing by Location of Registrar", and "Listing by Language Supported". A note states that the directory is updated frequently. At the bottom, there's a link to the "ICANN Accredited Registrar Information Page" and a footer note about the page being last updated on June 16, 2006.

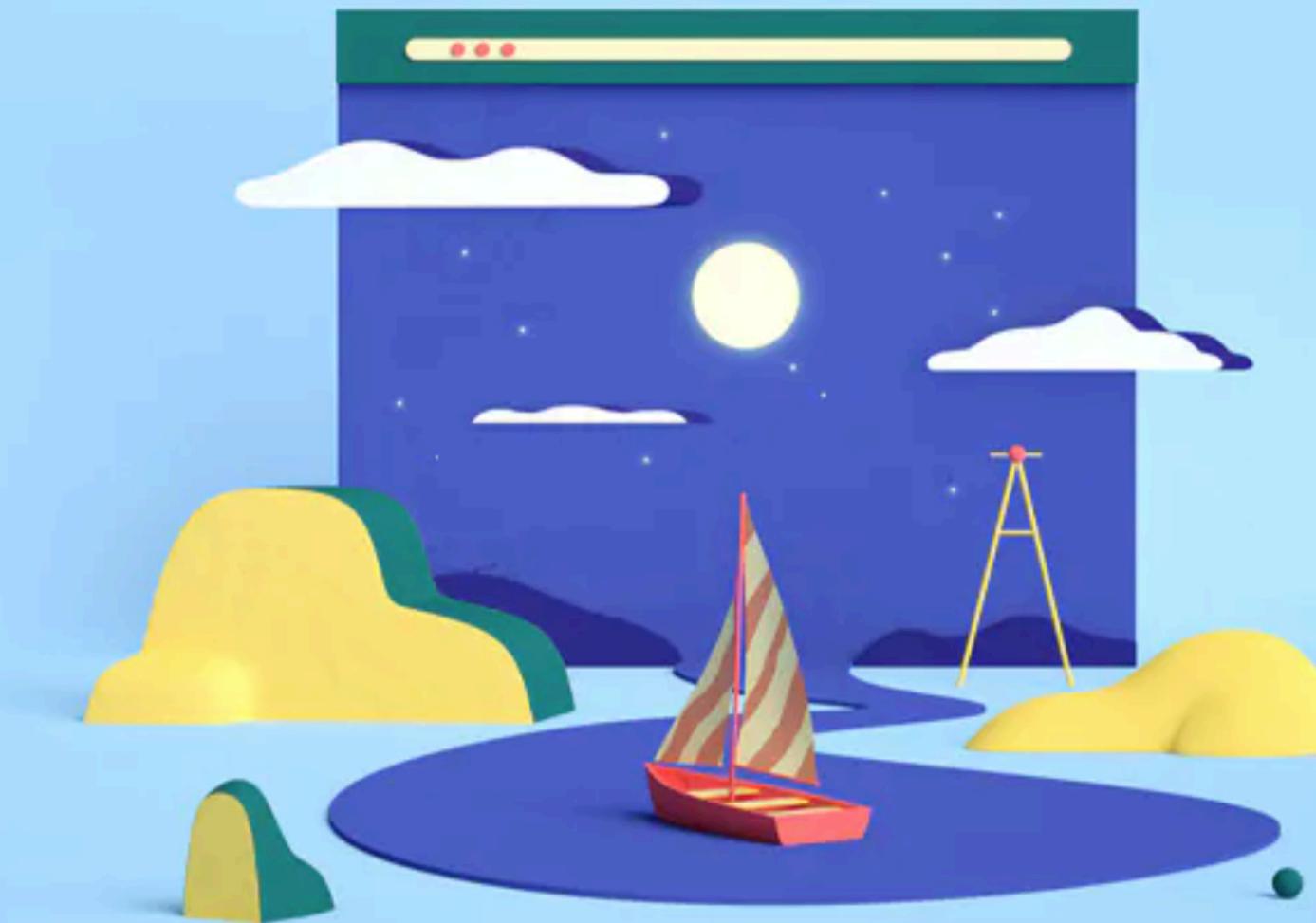
Quicklinks

- Quarterly Reporting
- New gTLDs
- Domain Name Transfer
- WHOIS
- Unsolicited Renewal or Transfer
- Compliance Complaint
- IANA
- Board Activity
- Planning
- ICANN Calendar
- Regional Engagement Events
- Dashboard Beta

[Blog Posts](#) [feedback](#)

€0.84*.com

Grab your 1st domain for €0.84*! Limit 1 per customer. Looking for more than one? Other discounts available - see cart for final pricing.

Search

Why choose GoDaddy?

With 80+ million domains under management, we have more experience than anyone. We'll make sure you find the right domain and that it's got a secure home online.



World's largest registrar

More people trust us than any other domain provider. Since the right domain name can set you up for future success, you don't want to mess around. Go with the world's largest registrar.



Wideest selection on the web

Every time you enter a name in our domain search box, our powerful engine searches the web's largest pool of names. There's no better place to find the right domain name for your business.



Award-winning support

Stumped by...anything? Our smart, friendly domain experts are here to help. Call them at 01 653 5976.

You've got the ideas, we've got the domains.



Already have a domain? Learn about [transferring](#) or [renewing](#).



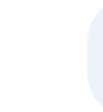
.IO is 40% off!

The best domain name for your startup for \$29.99!



.LIVE is 82% off

Share the moment with .LIVE domain for only \$4.99!



.ART is 75% off

Showcase your wonderful art for only \$4.99!

We think about domains and email so you don't have to.

Our focus is on making it easy to find and register the perfect domain and providing you with the tools you need to manage your domains, email and DNS with ease. It's what we do - so you can focus on what you do.

Domains →

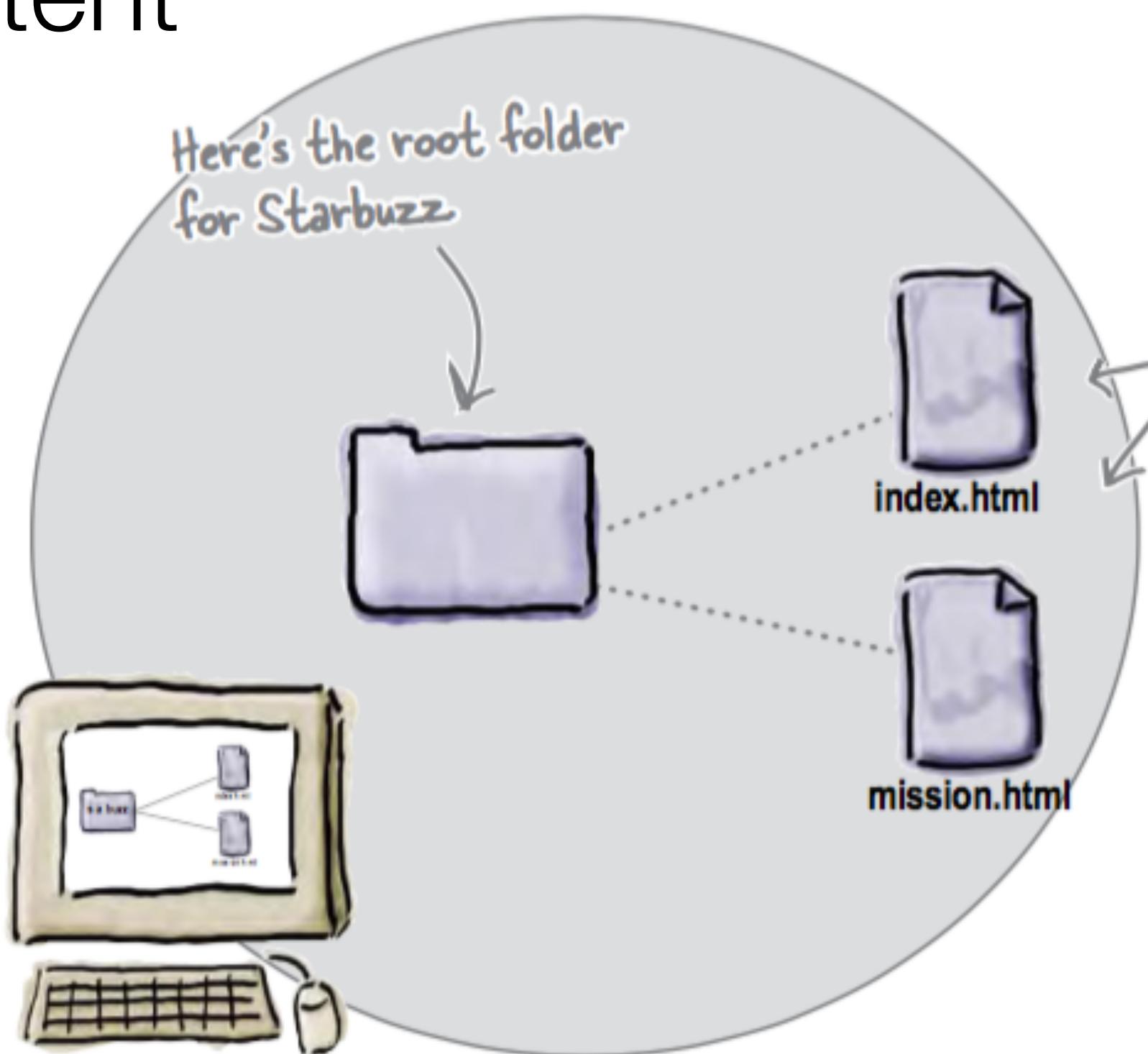
Stand out from the crowd with the perfect domain name and extension for your idea.

Email →

You don't need a website to get a professional email address. Finally get rid of that you@freewebmail.com.

Need help?
Let's chat! 

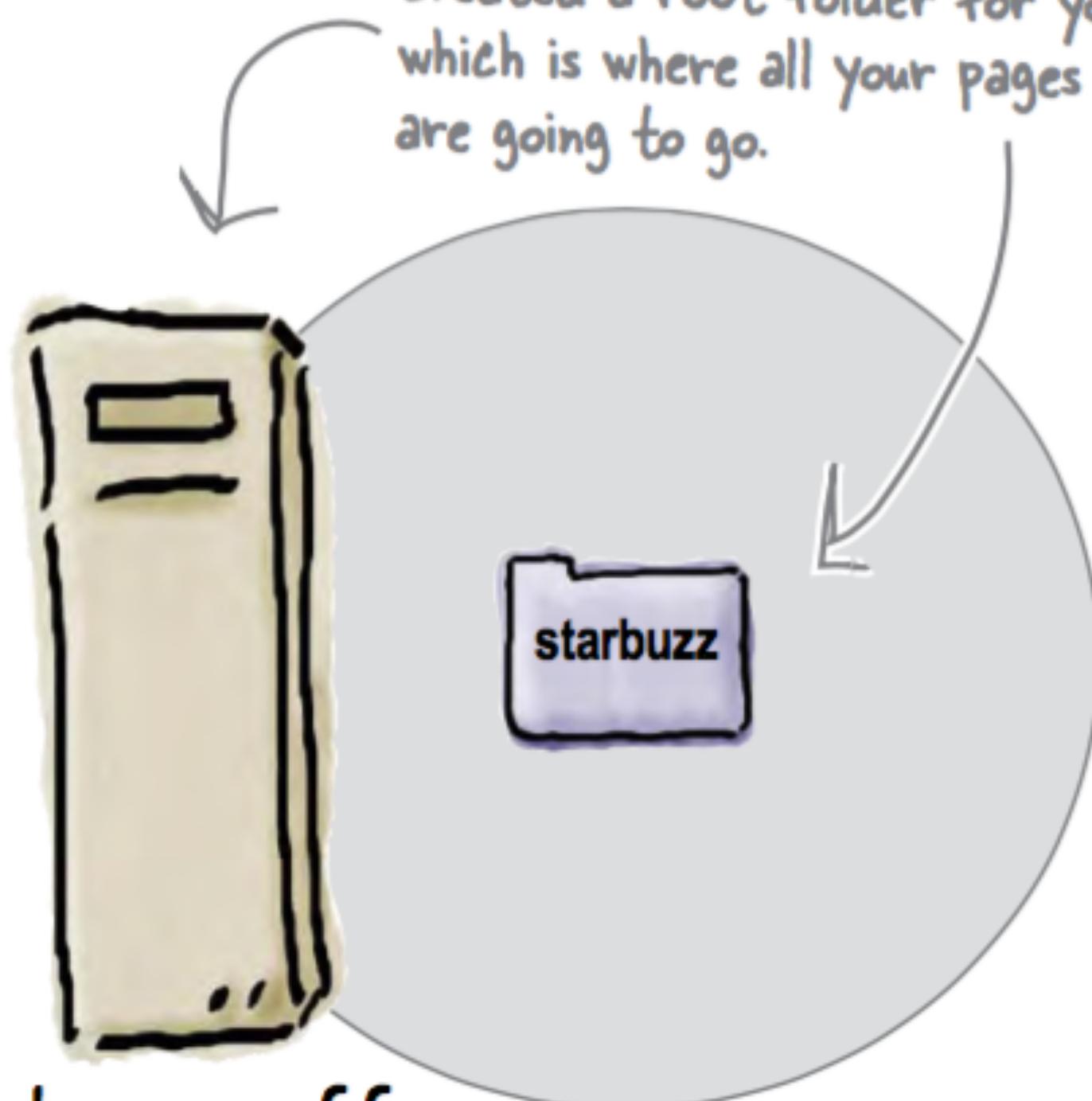
Moving Content



Your computer, where the Starbuzz pages currently live

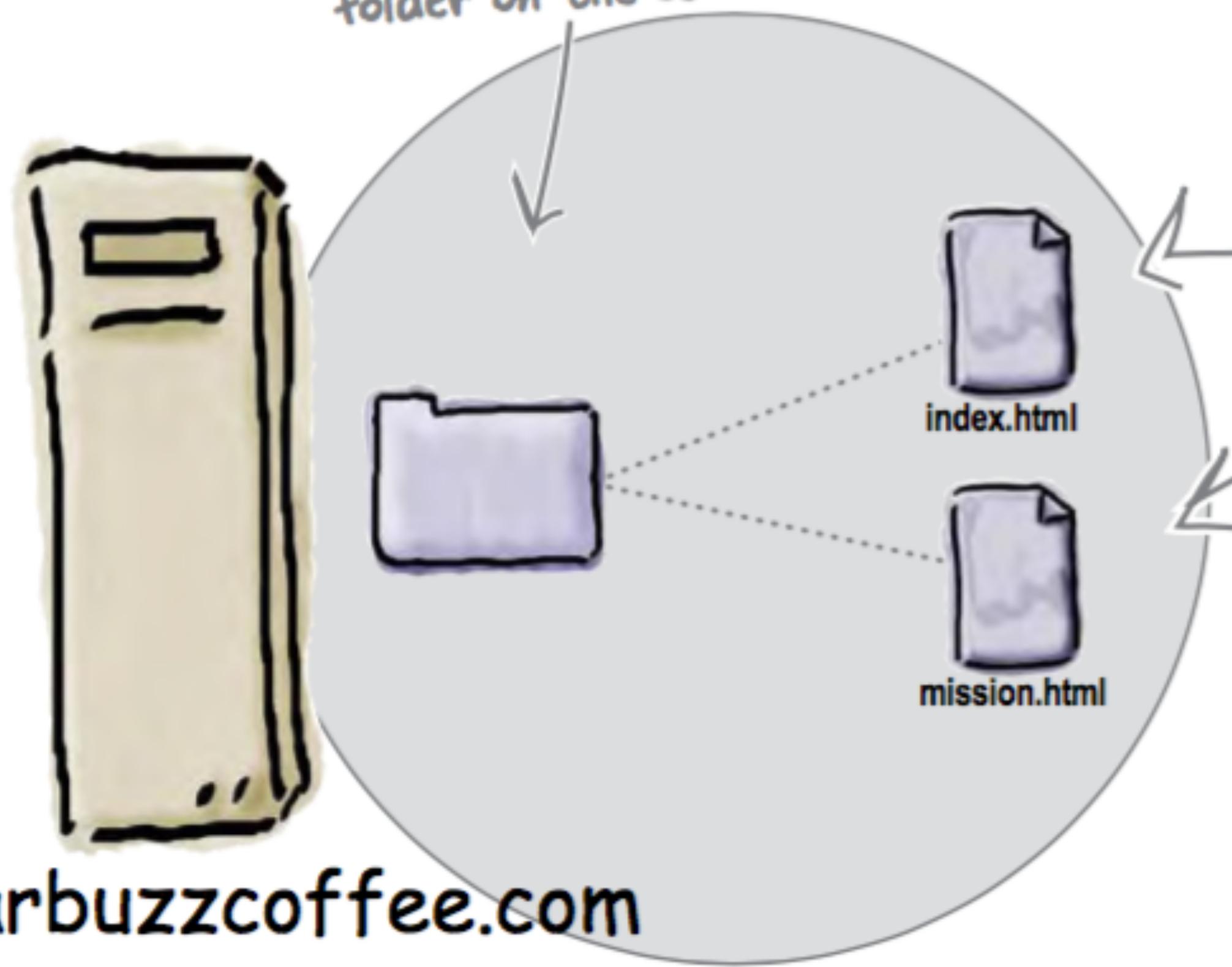
Here's the new website name. We're using the starbuzzcoffee.com domain (since we beat you to it, you'll have to use your own domain name instead).

Remember your Starbuzz pages? There are two: the main page (`index.html`) and the page that contains the mission statement (`mission.html`).

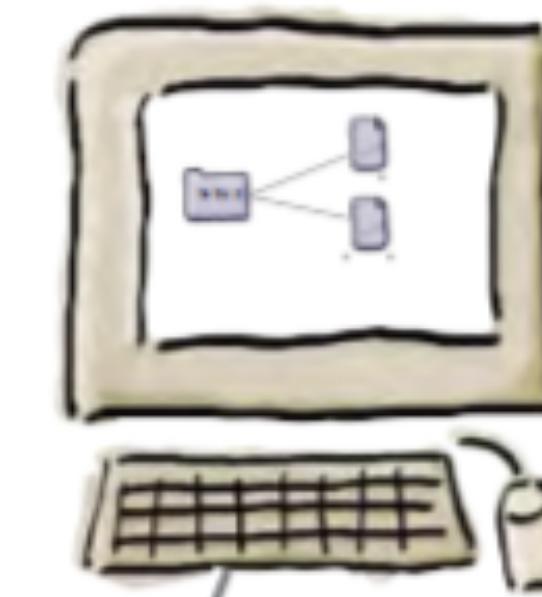


www.starbuzzcoffee.com

www.starbuzzcoffee.com



The files are sitting on your computer.



You need to transfer them to the server, and then they'll be "live" on the Web.

Transferring Files

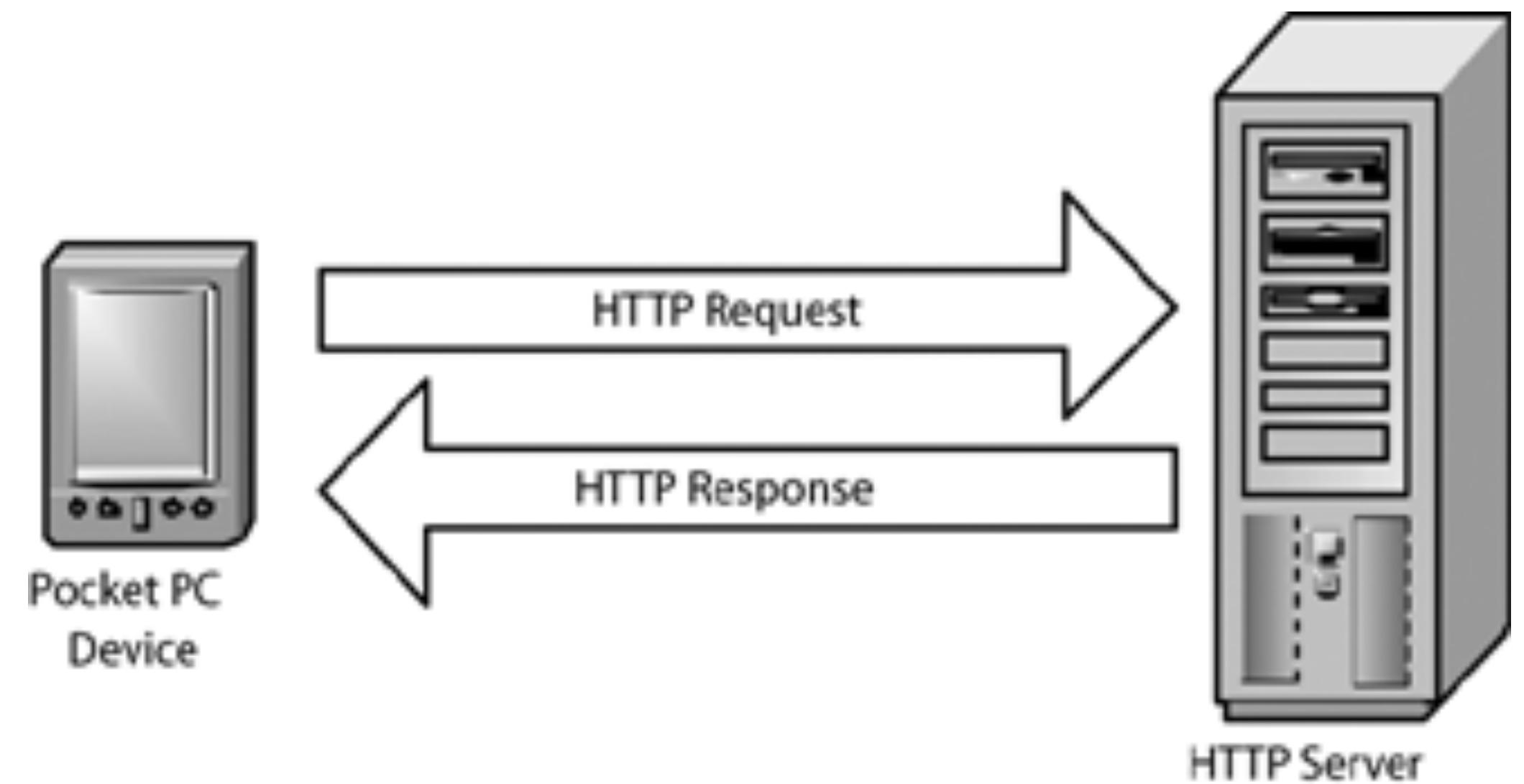
- Many Different Options:
 - FTP
 - Dropbox
 - WebDav
 - Git Push
 - Email Attachments
 - Etc...

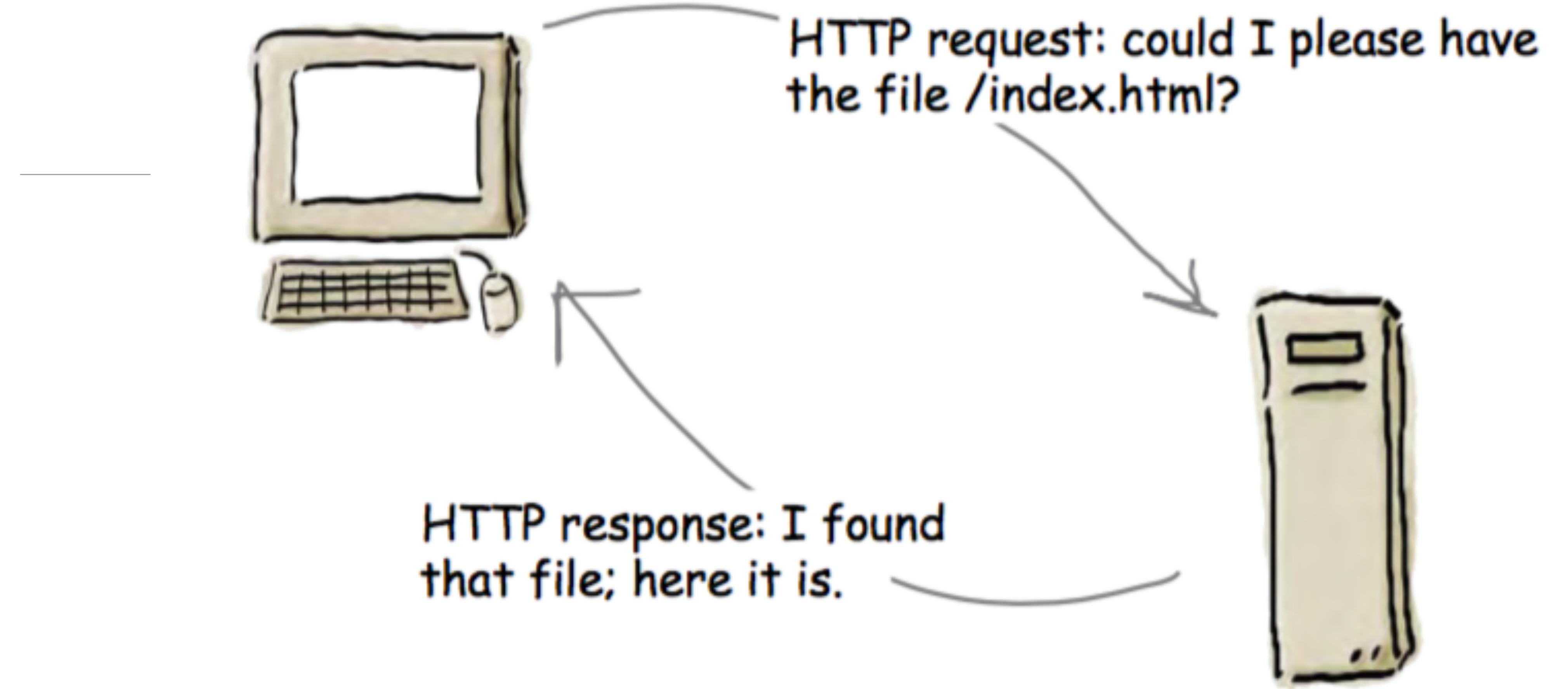


Bloomicon/Shutterstock.com

HyperText Transfer Protocol - HTTP

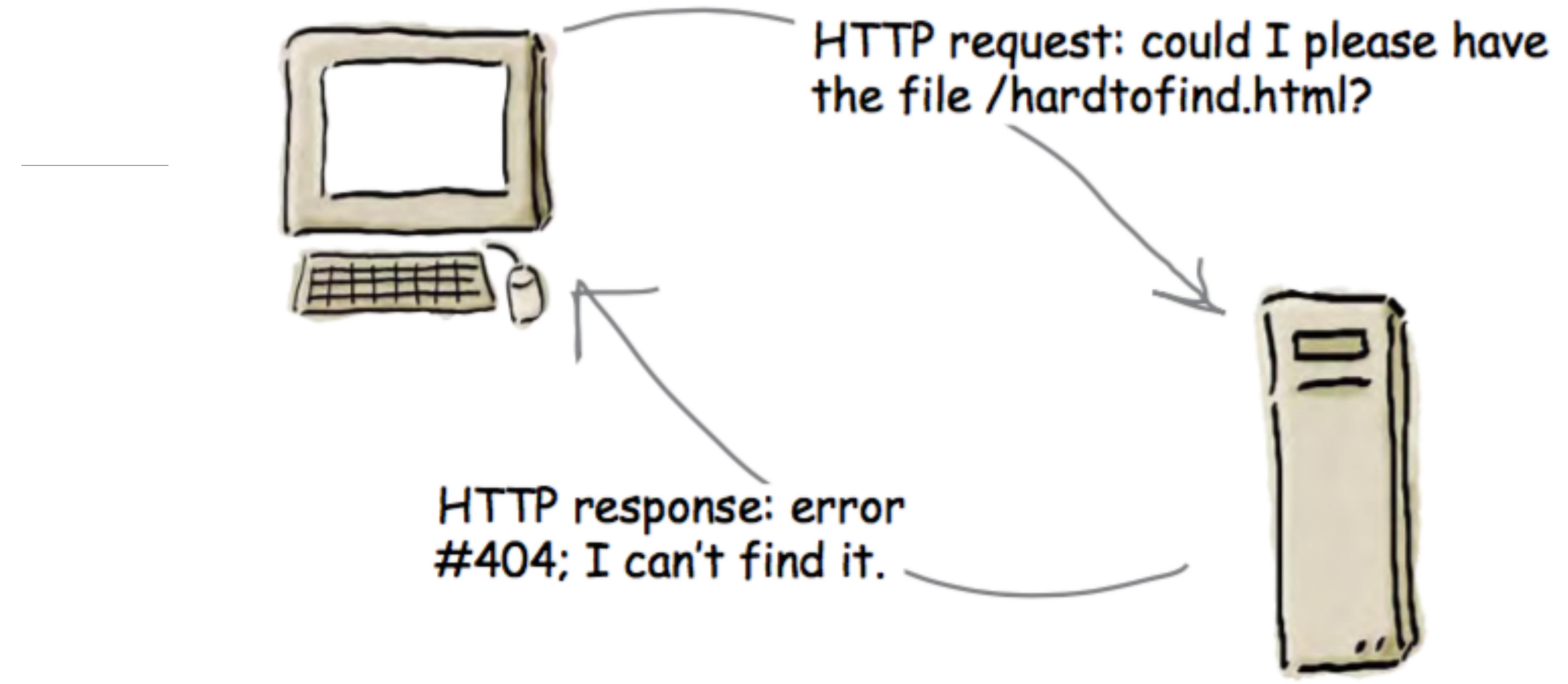
- One Deployed - the site will be ‘served’ over HTTP to client browsers
- An agreed-upon method (a protocol) for transferring hypertext documents around the Web.
- While “hypertext documents” are usually just HTML pages, the protocol can also be used to transfer images, or any other file that a web page might need.





- Each time you type a URL into your browser's address bar, the browser asks the server for the corresponding resource using the HTTP protocol.
- If the server finds the resource, it returns it to the browser and the browser displays it

www.starbuzzcoffee.com

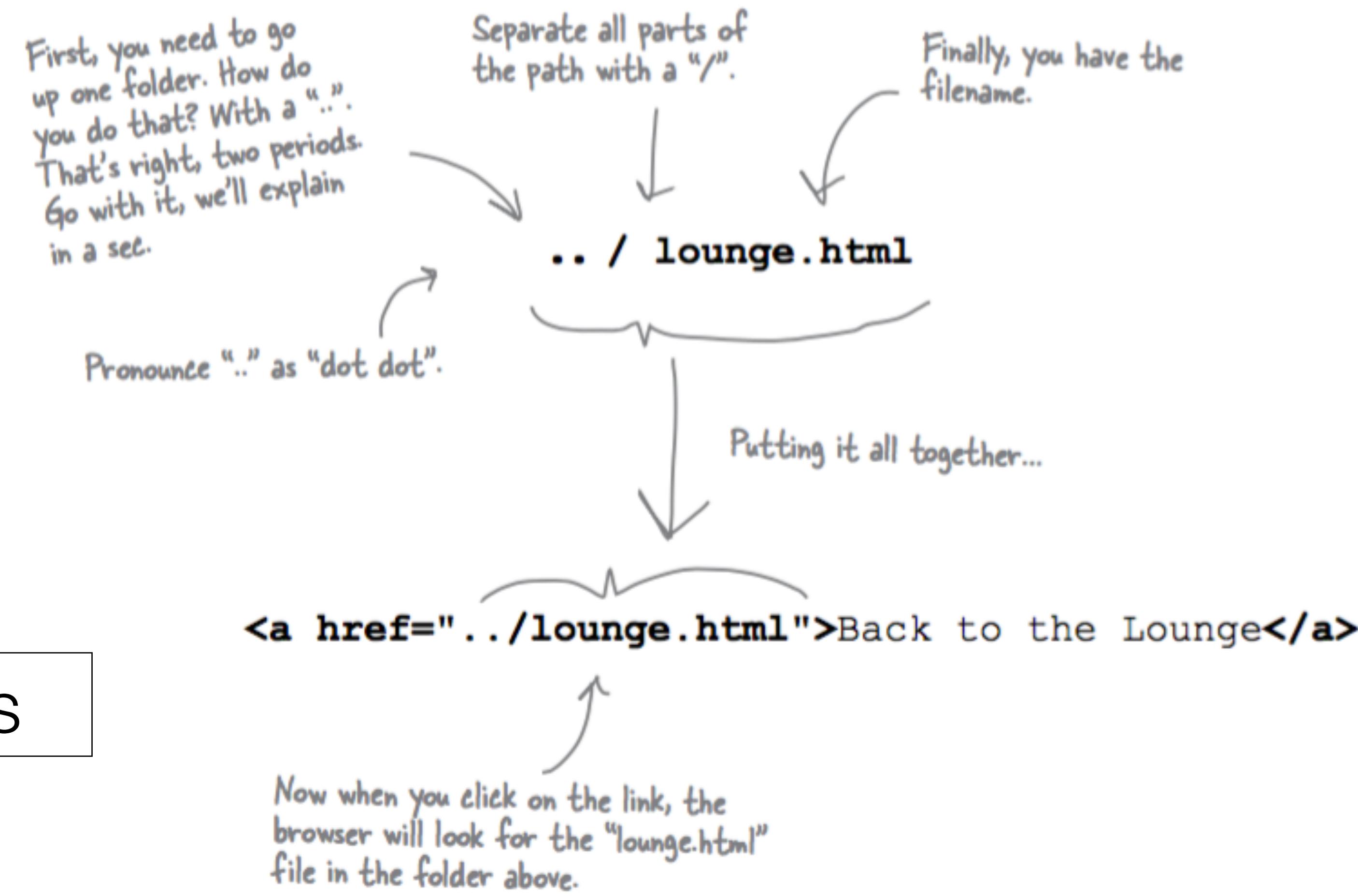


- If the resource can't be found, you'll get the familiar “404 Error,” which the server reports back to your browser.

Absolute & Relative Paths

- A Path is a series of folder or folders that specify a route to a specific file within a given folder tree structure.
- An Absolute path always starts at the ‘root’, which is always denoted by the / symbol
- A Relative path traces a route from the current director to a specific file. I may comment with:
 - *start at the current directory*
 - *.. go up one level*
 - *folder-name - start with the ‘folder-name’ in the current directory.*

Relative Paths

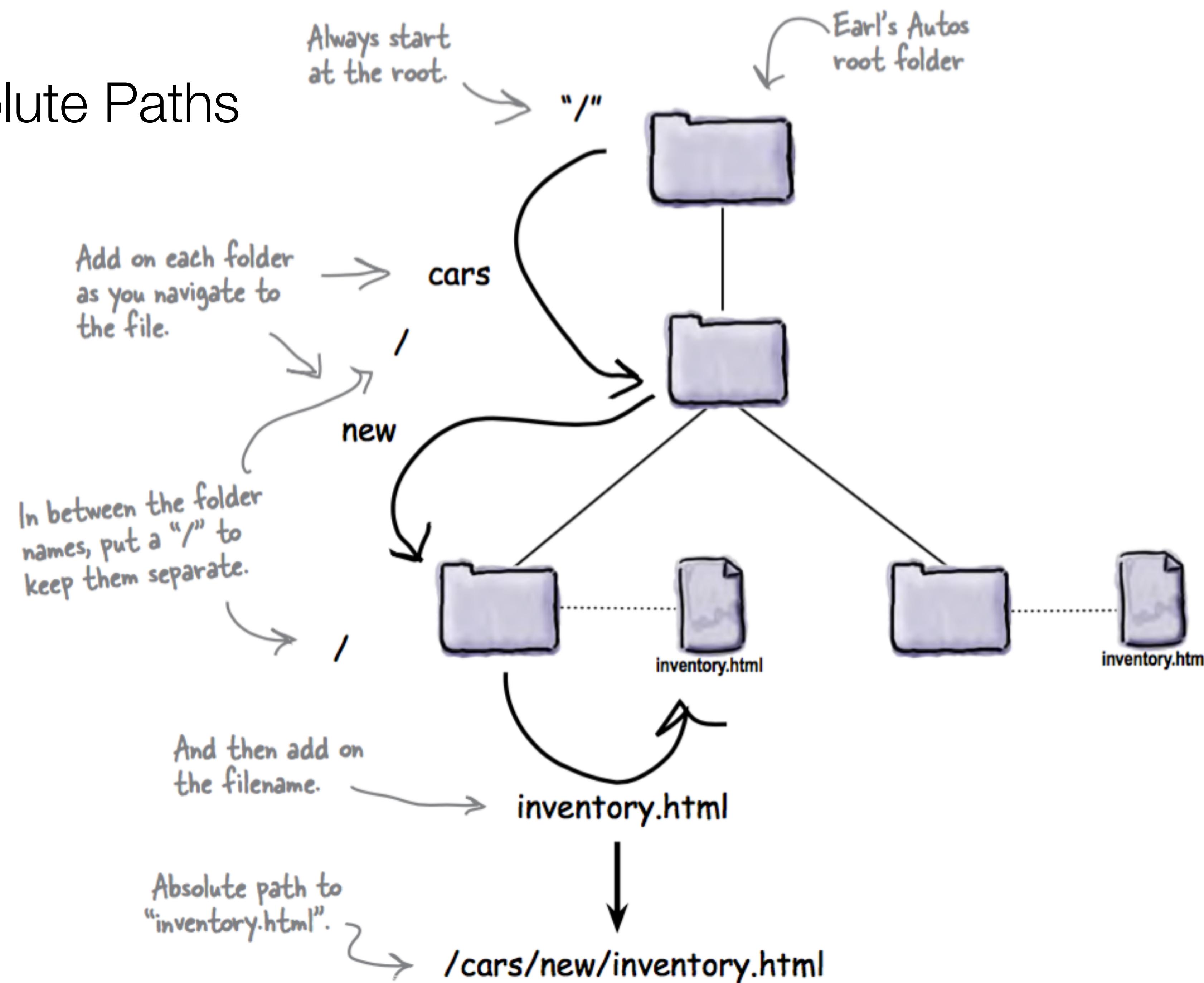


.../../ Go up 2 levels

.../..images/iot

Go up 2 levels and then down into images and into iot

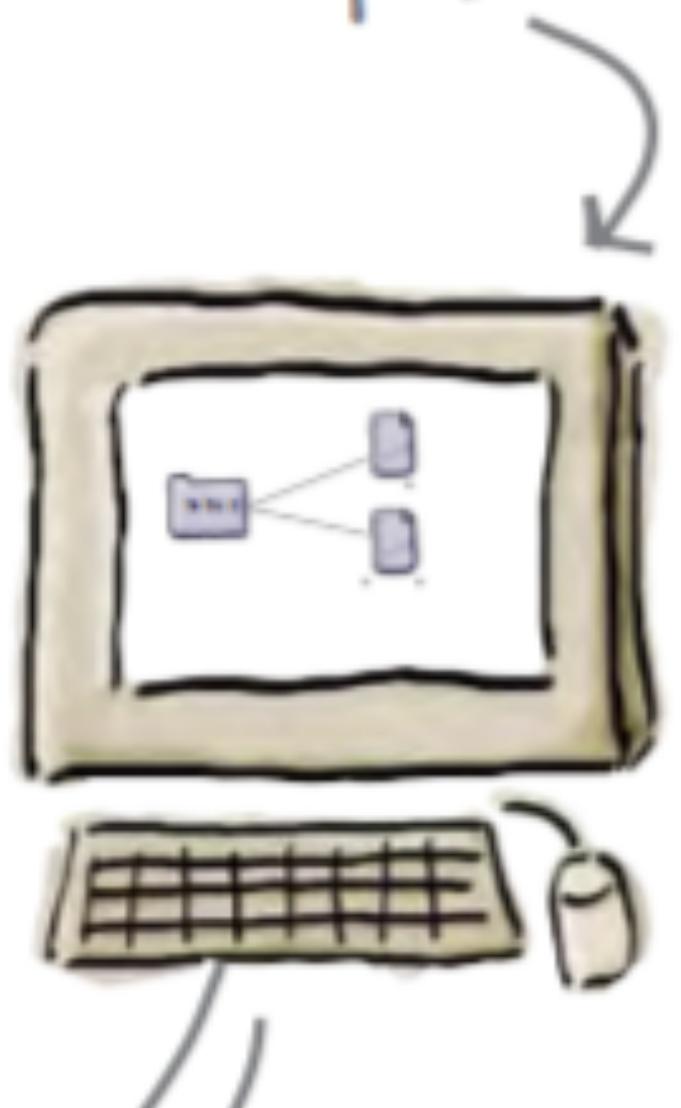
Absolute Paths



Paths on Local Web Sites

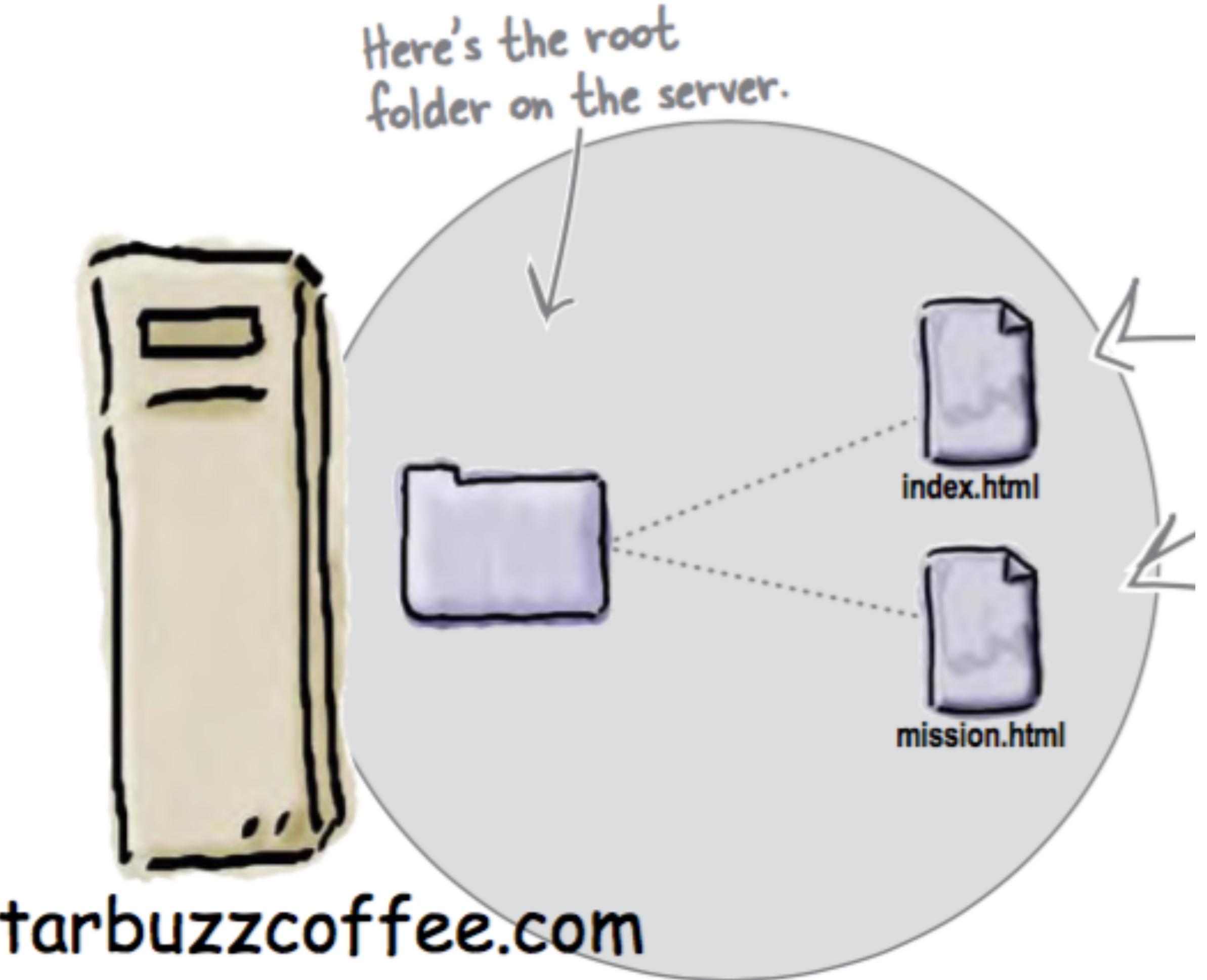
- When a site is loaded directly into a browser on a local machine (as you have been doing so far):
 - You cannot reliably use absolute paths
 - If you do, then the site will be tied to the specific disk structure on your computer.
 - E.g. '/images/main.png' may translate to
 - 'C:\MyDocuments\Web\project\images\main.png'
- This site will not be usable on other computers.

The files are sitting
on your computer.



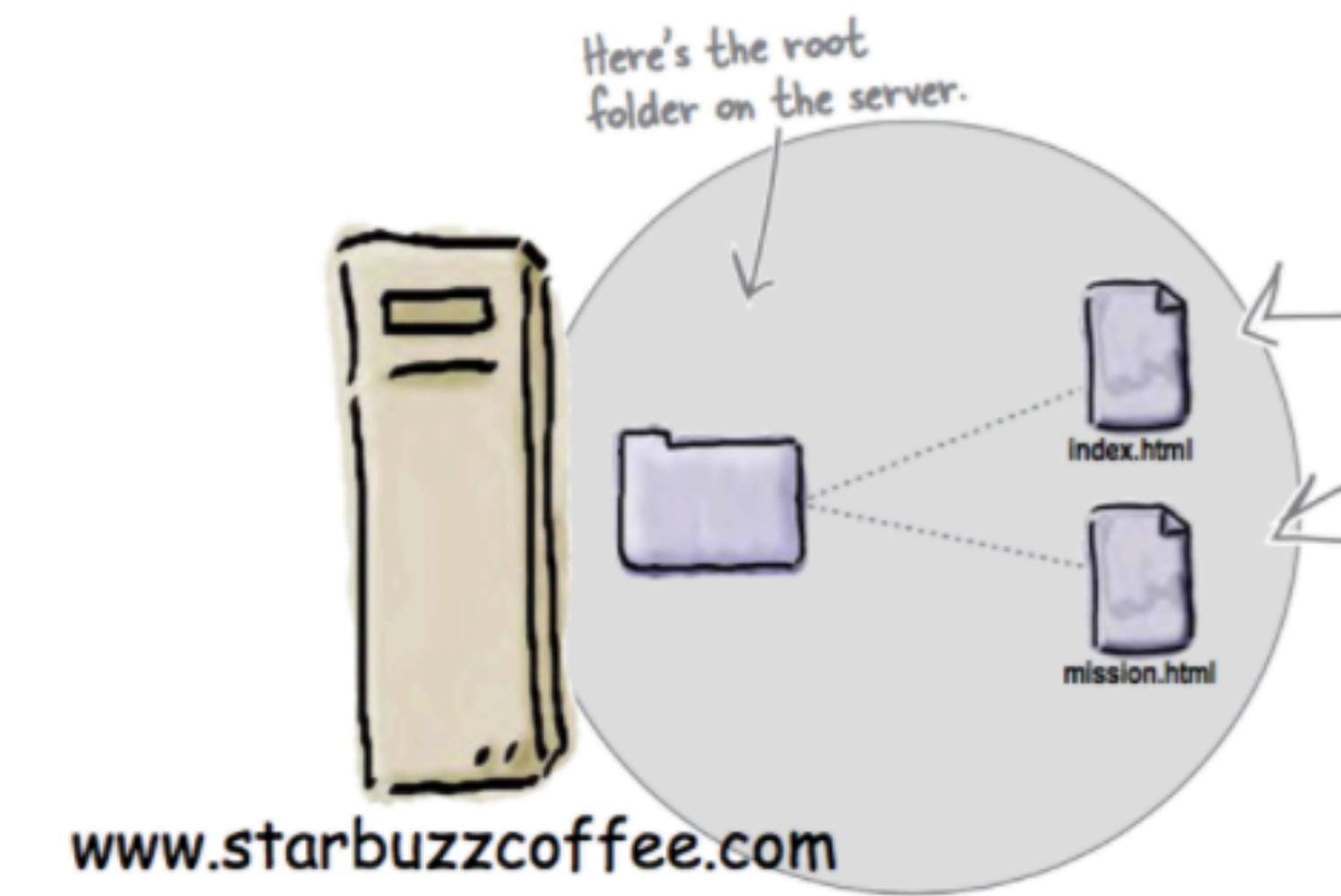
Paths for Deployed Sites

- You **can** reliably use absolute paths
- They will resolve to the Root folder of your project
- This can be more convenient to manage the sites links



- However, the site can only then be browsed via a server - it cannot be loaded from disk directly

Deployment



clients · servers · hosting ·
domains · dns · paths · http
· response codes