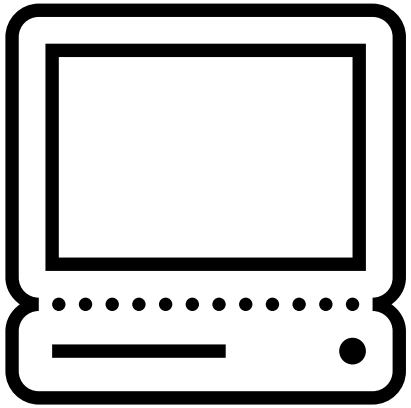
WEBSITE DEVELOPMENT

Introduction to Website Development

https://academy.evermight.com

SHARING FILES

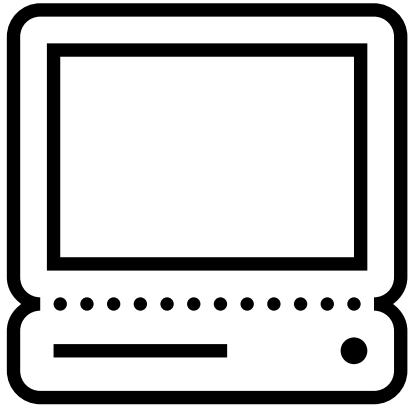
Alice's Computer



Share folder with **Bob**

C:\Users**Alice**\Documents

Bob's Computer



Share folder with **Alice**

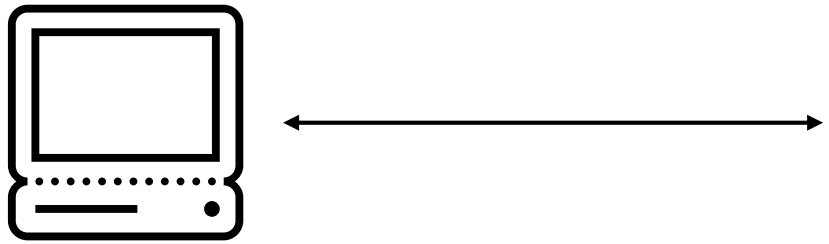
C:\Users**Bob**\Documents

SHARING FILES

File Sharing Software

DropBox, Torrent, Napster

SHARING FILES WITH WEB SERVER



Share folder with Bob

C:\Users\Alice**www.alicehomestead.com**

Share folder with Alice

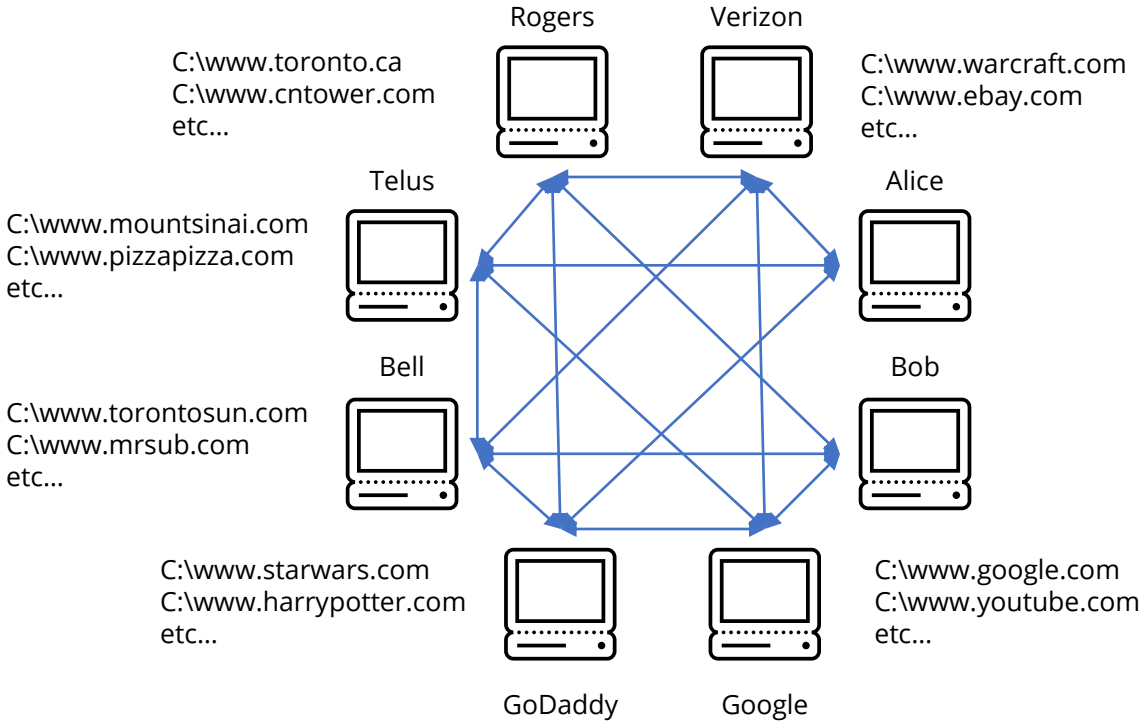
C:\Users\Bob**www.bobscats.com**

APACHE WEB SERVER

cat.jpg, dog.mp4, home.html → **Fire Fox / Chrome / Edge / Safari**

Fire Fox / Chrome / Edge / Safari ← **car.jpg, skiing.mp4, home.html**

INTERNET



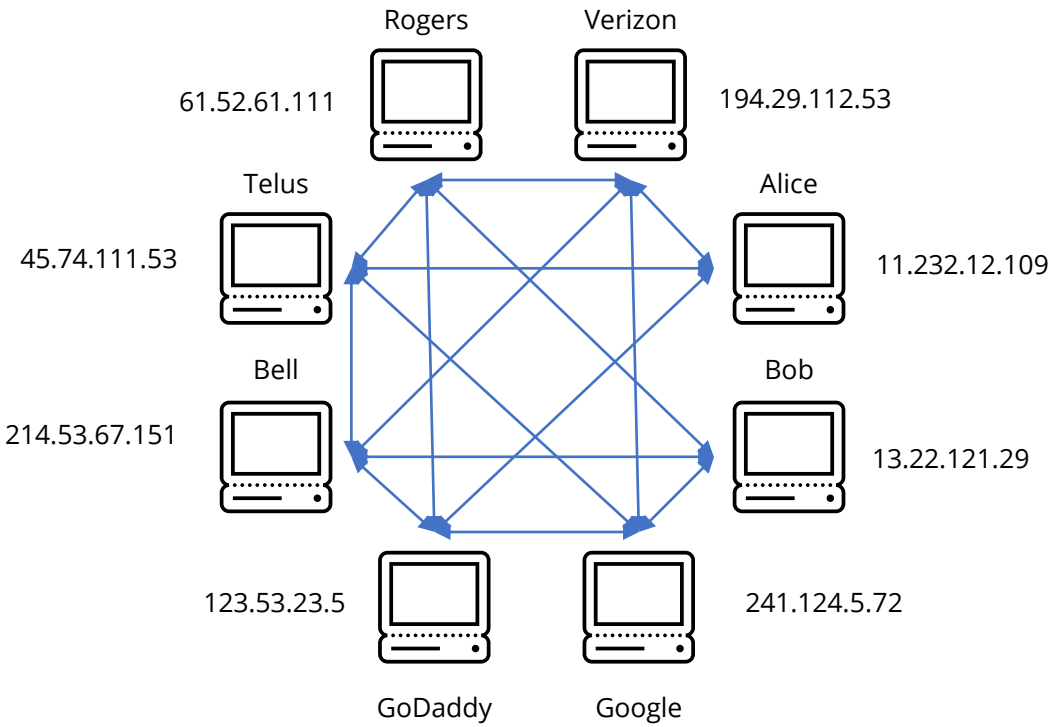
EXAMPLE
http://toronto.ca/parking-tickets.html

You are looking for the file parking-tickets.html in the C:\www.toronto.ca folder on the Rogers computer

BUY A DOMAIN

- You can buy a domain name from any major host provider.
- GoDaddy, Netfirms, Google, Rogers, Bell, etc... This list is exhaustive...look for something in the range of **$5-$30/year**

MAP DOMAIN / EMAIL TO IP ADDRESS



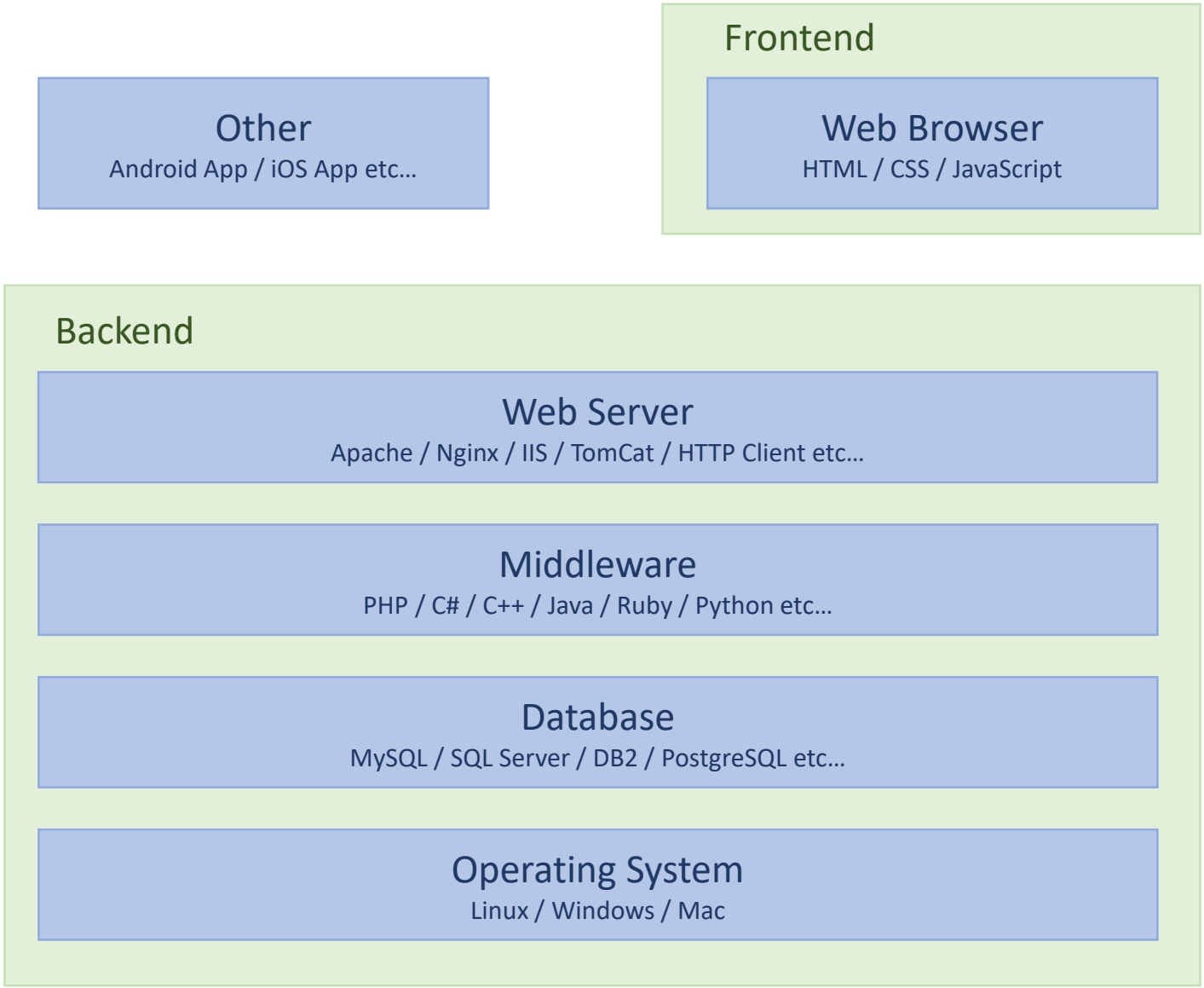
Point your domain to the IP address of any computer.

Wait up to 48 hours for all computers in Internet to recognize the change.

ANATOMY OF WEB PAGE

- **HTML** – Hyper Text Markup Language → Data/Content
  note: HTML descended from the IBM's ancient Generalized Markup Language (GML)
- **CSS** – Cascading Style Sheet → Styling
- **JavaScript** – Programming Language → Functionality

Technical Layers of a Cloud Software (Simplified)



Frontend layers reside completely on a user's device

Backend layers reside completely on a remote server.

Frontend developers work on front end. Backend developers work on backend. Full stack developers work on both frontend and backend.

Although developers do their best to insulate one layer from the other, but generally speaking, the further down the technical stack you are, the more rigid the architecture will be. E.g. Changing a button in a web page on the front end may not affect your database structure. But changing your database structure will likely affect your middleware code and your web browser code.

CONTENT MANAGEMENT SYSTEM

Let’s you manage website content and style WITHOUT doing HTML CSS coding.

WordPress, Drupal, Wix, SquareSpace etc... These are CMS platforms that essentially makes HTML, CSS and JavaScript code. Each software gives various levels of freedom, so you need to evaluate a few.

CMS like WordPress and Drupal are open source, and let you get under the hood.