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| Computer Systems 21 – World Wide Web | |  | Computer Systems 22 – Client-Server |
| World Wide Web The world wide web uses the Internet to share vast amounts of pages/documents programmed in languages like HTML. The web is a way of **using** the internet……other ways are things like   * Emails * Instant messaging * FTP   An easy way to remember this is by thinking of the Dark Web, it uses the internet **but** it not the internet itself.   |  |  | | --- | --- | | Internet | World Wide Web | | Internet protocol to connect computers | Hypertext Transfer Protocol | | Developed in the 60s (LA) | Developed in 1985 (Tim Berners Lee) | | Global networks of a lots of networks of computers | A service available on the internet | | | Client Server Model When you use a website, your client (the computer, phone, tablet ect) request information from a server……if permission is granted the information on the website is sent back to the client.  Client-server is a simple distributed system.  Client-Server Model | A Guide to Client-Server Architecture  Sometimes servers get overwhelmed (like if everyone wants tickets to a concert) and this can cause issues |
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| Computer Systems 23 Definitions | |  | Computer Systems 24 - Communication |
| Internet |  |  | Communication Protocols A set of rules that can transfer data from one place to the other. Each layer of the has its own set of communications rules   |  |  | | --- | --- | | Protocol Layer | Name | | Application | **http** – Hypertext transfer protocol  **https** – Hypertext transfer protocol secure | | Transport | **TCP** – Transmission Control Protocol | | Network | **IP** – Internet Protocol | | Physical | Wifi and any other broadband protocols. |   **A protocol is a set of rules** |
| Client/server |  |
| Communication Protocols |  |
| Layer |  |
| http |  |
| https |  |
| TCP |  |

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