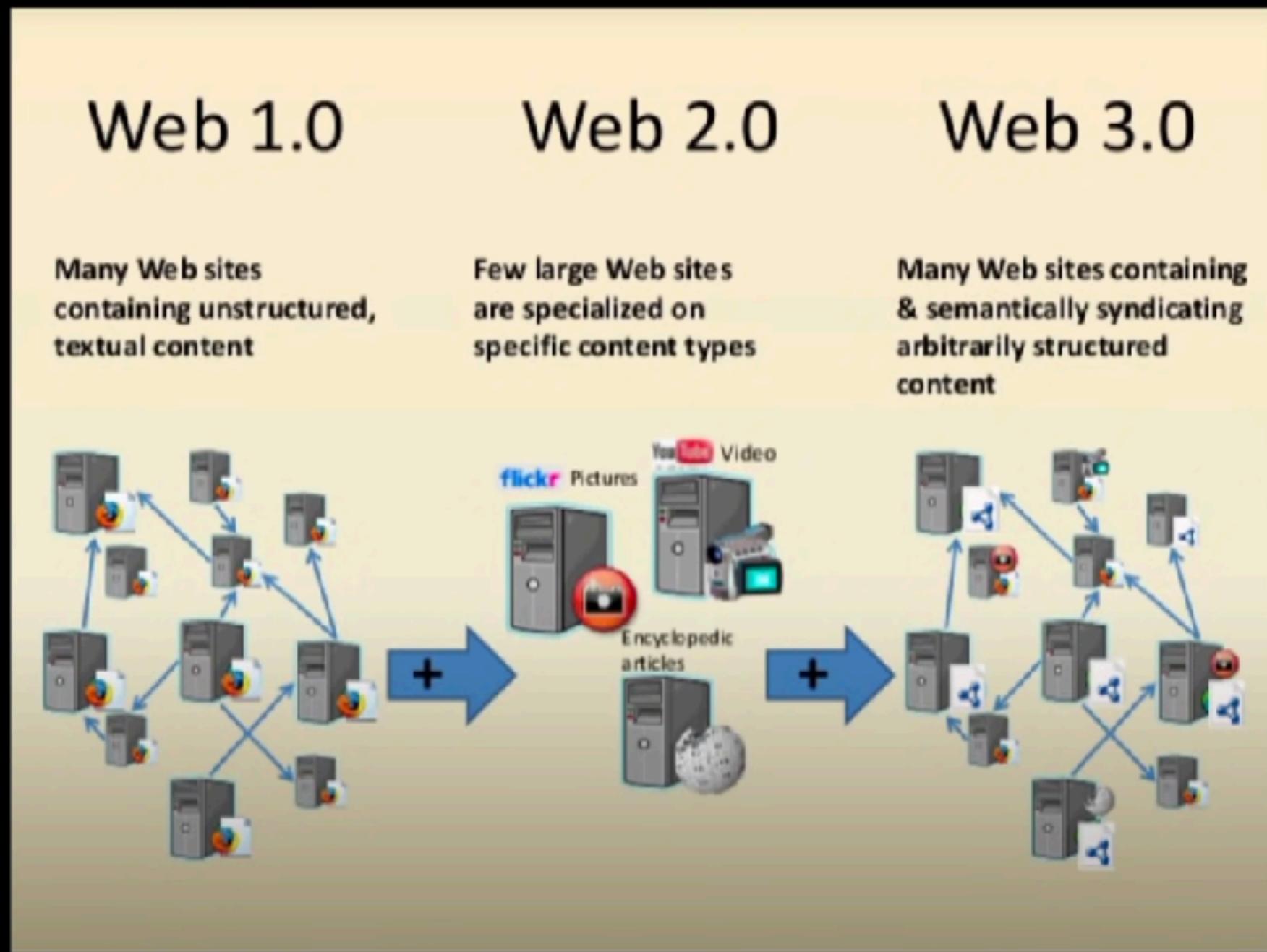




Intro to Web Development

Technology, Culture + Society
Integrated Digital Media (<3 IDM)

Tuesday + Thursday IDM room 308 / 09
Section D - 8:00 am // Section A - 10:00 am
Instructor: rebecca (marks) leopold
rebleo@nyu.edu || rml444@nyu.edu
[@rebeccaleopold](#) on most socials



**what are ways humans have
moved information across
geographic space?**



Great Wall of China Signal Towers

400 BC - fire/smoke or drum beats

200 BC - 220 AD - Han dynasty - flags, lights, gunshots



First message sent from Washington D.C. to Baltimore
Samuel Morse 1844

A decorative horizontal separator consisting of two rows of pink dots and dashes, separated by a thick pink diagonal line.

“What hath God wrought?”

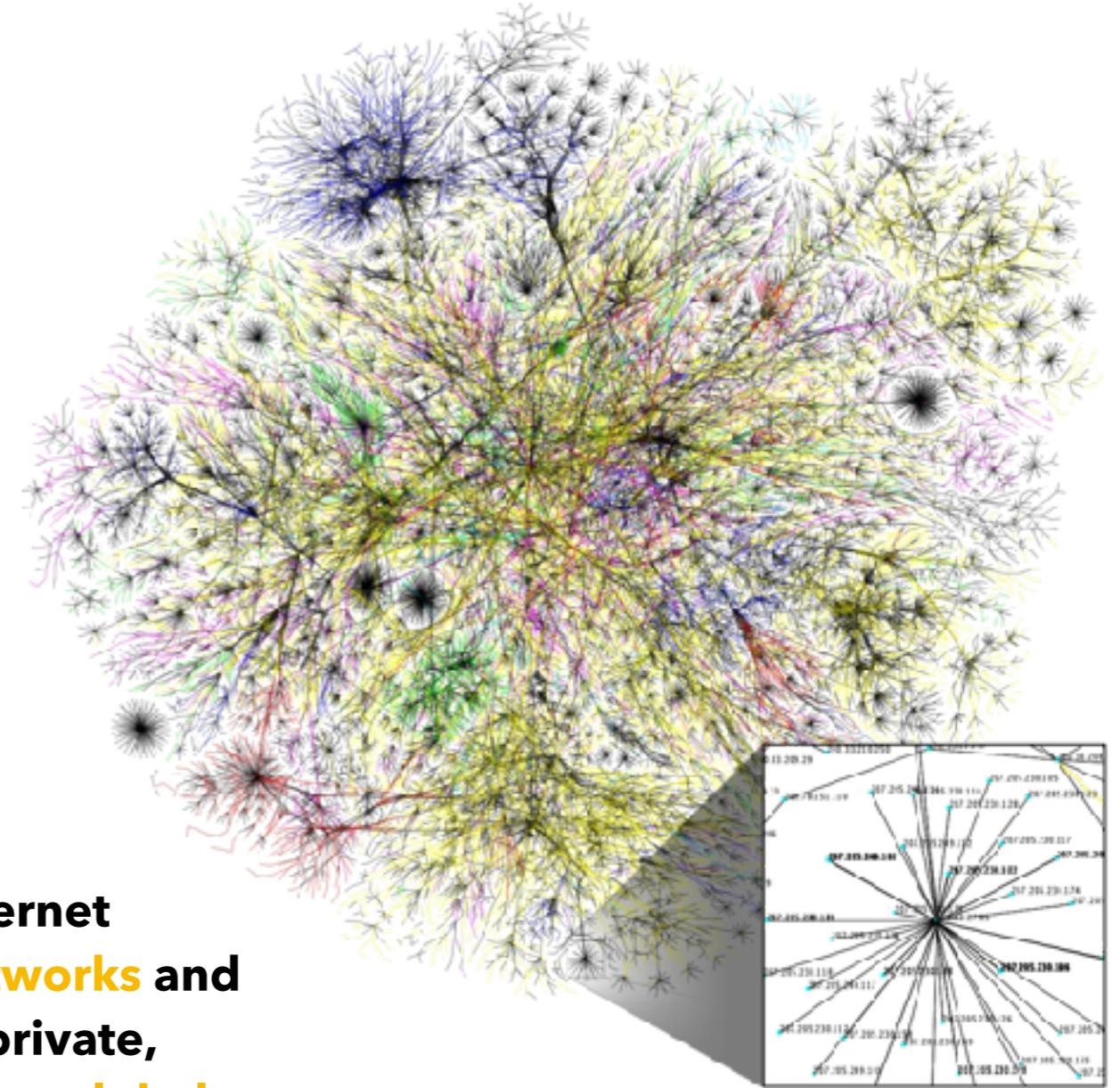
EASTERN TELEGRAPH C^o'S SYSTEM AND ITS GENERAL CONNECTIONS.



1901 Telegraph cables

The Internet (or internet) is the global system of interconnected computer networks that uses the Internet protocol suite (TCP/IP) to communicate between networks and devices. It is a network of networks that consists of private, public, academic and government networks of local to global scope, linked by a broad array of electronic, wireless, and optical networking technologies.

The Internet carries a vast range of information resources and services, such as the inter-linked hypertext documents and applications of the World Wide Web (WWW), electronic mail and file sharing.



the internet was
invented to enable
access to remote
computers

the Defense Advanced Research Projects Agency (aka DARPA)

organized and funded **ARPANET**

"most of the significant advances in computer technology—including the work that my group did at Xerox PARC—were simply extrapolations of Lick's [[Joseph Licklider](#)] vision. They were not really new visions of their own. So he was really the father of it all""

—Robert (Bob) Taylor
head of ARPANET + founder of Xerox Parc



1969 - Arpanet (Advanced Research Projects Agency)

first message sent from UCLA to Stanford via **TCP/IP protocol**

stanford machine had 128 Kb of memory and 24 Mb of disk space

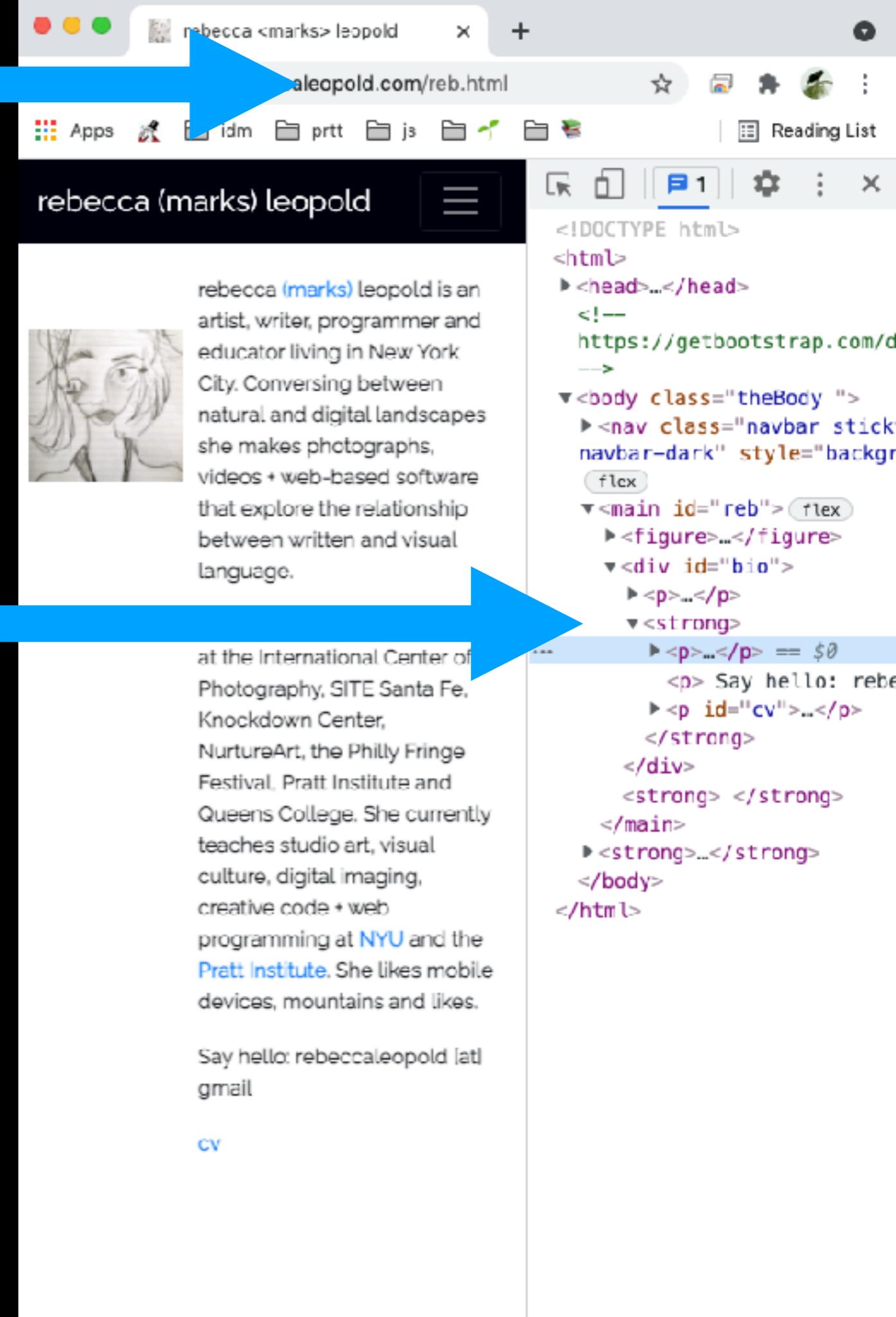


System crashed before rest of the message was transmitted

**Web content may be any
type of downloadable media
(text, img, video, pdf) but
web pages are hypertext
documents formatted in
Hypertext Markup Language.**

this page ends in the extension dot **HTML**. As it is an **html** file, much like a Microsoft Word document is **.docx**. Though unlike Word - **html files are open source protocol and can be read by any browser software.**

and here is some of the **HTML "code" under the hood**

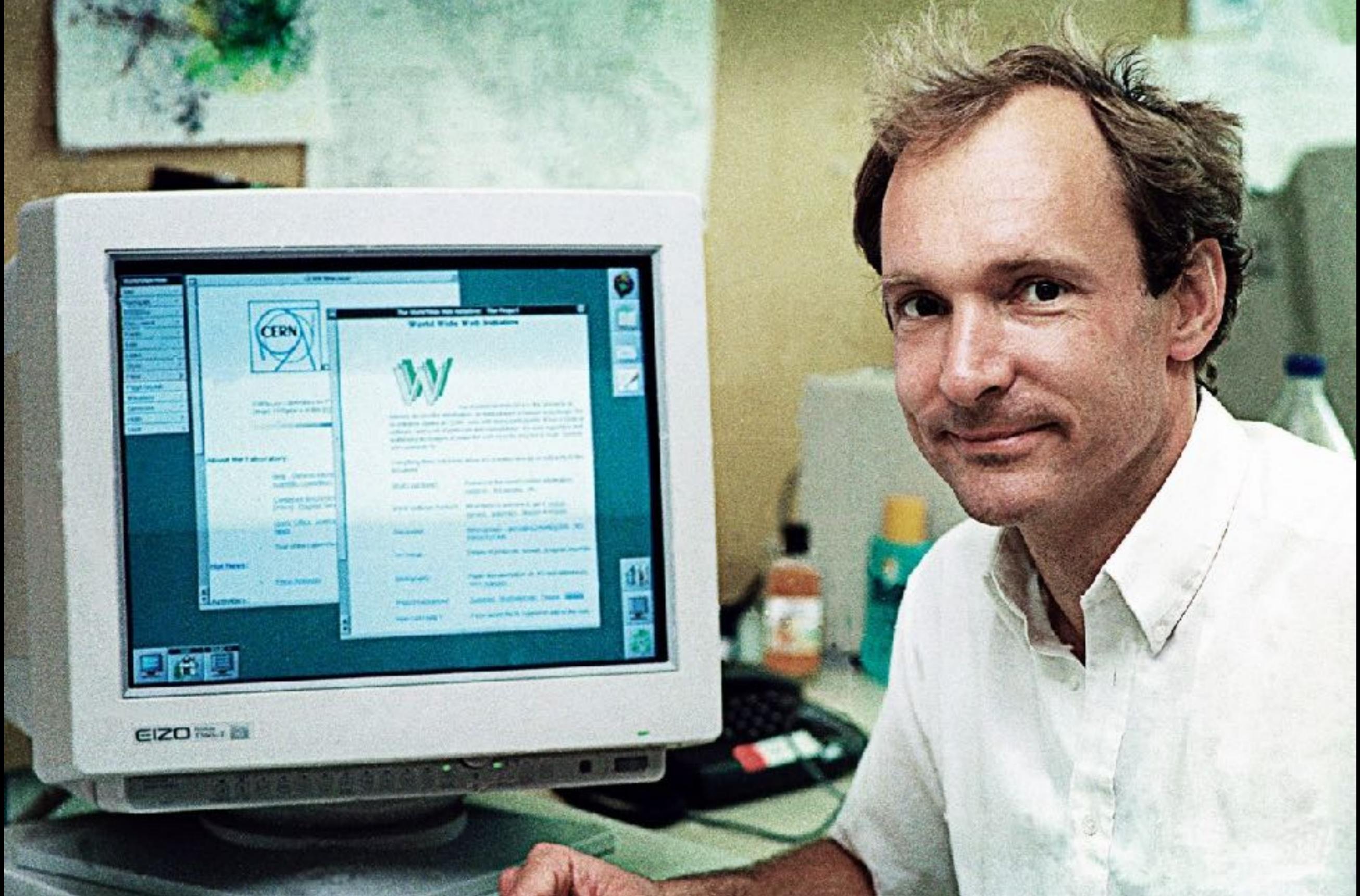


A screenshot of a web browser window displaying a personal website for 'rebecca (marks) leopold'. The browser's address bar shows the URL 'rebeccaleopold.com/reb.html'. The page content includes a portrait photo of a woman with long hair, a bio paragraph, and links to external sites. A large blue arrow points from the left text block towards the browser window. Another large blue arrow points from the bottom right of the browser window towards the right margin, where the website's HTML code is visible in a code editor interface.

```
<!DOCTYPE html>
<html>
  <head>...</head>
  <!--
    https://getbootstrap.com/d...
  -->
  <body class="theBody">
    <nav class="navbar sticky navbar-dark" style="background-color: #333; color: white; padding: 10px; font-size: 1.2em; border-bottom: 1px solid black; position: fixed; width: 100%; top: 0; left: 0; z-index: 1000;>...</nav>
    <main id="reb"> <flex>
      <figure>...</figure>
      <div id="bio">
        <p>...</p>
        <strong>
          <p>...</p> == $0
          <p> Say hello: rebe...
          <p id="cv">...</p>
        </strong>
      </div>
      <strong> </strong>
    </main>
    <strong>...</strong>
  </body>
</html>
```



.html files almost always live on a server in a directory with other open source “code” files with the extensions: .css and .js. Server storage works much like the local storage on yr laptop (which is why we need to avoid having our class work on any kind of “cloud” as it could (and will!) interfere with your work.



1989 - Tim Berners Lee invents the WWW

1990 - Tim Berners writes the first web browser at CERN in Switzerland

1991 - The browser released outside CERN + to the general public

1993 -4 - Web begins to enter everyday use

UNIX

operating system

Bell Labs 1969 (proprietary)

1973 - released outside Bell

