Web Design and Programming (0107558)
Internet Programming (0107571)[1]
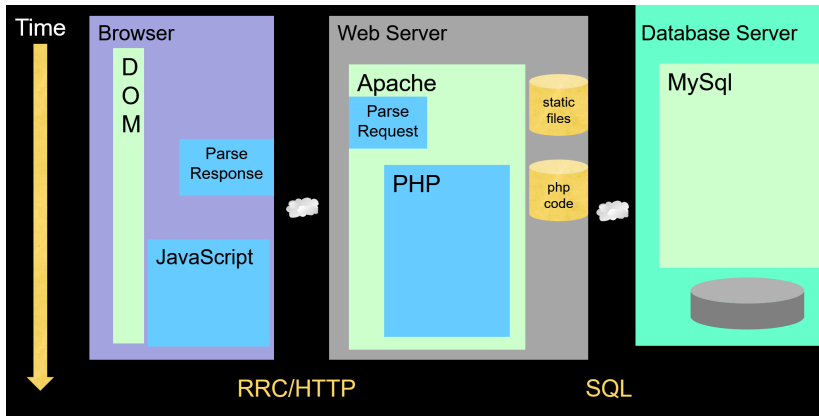## Introduction and Development Environment Setup

Dr. Naeem Odat

College of Engineering
Department of Computer and Communications Engineering

[1]Michael Mendez. *The Missing Link: An Introduction to Web Development and Programming*. Open SUNY Textbooks 2014.
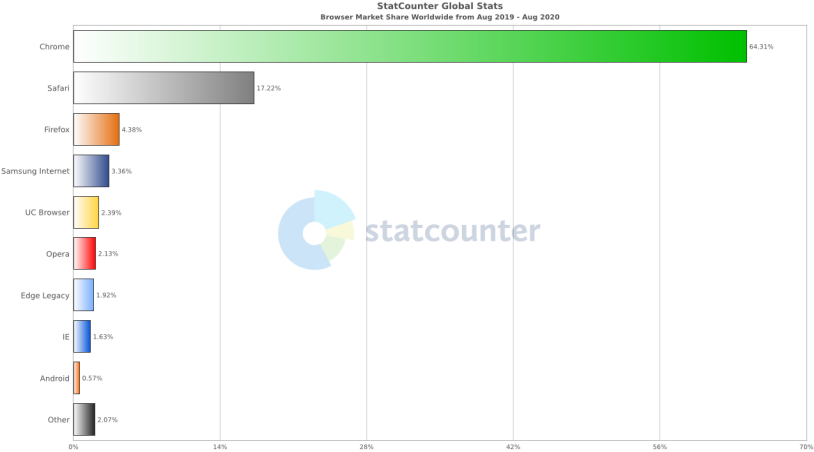
Web Mechanic

Internet History

Internet

- Military and university researchers, during the Cold War (1960s), was looking for better means for connecting computers.
- To have more than one path for connections to avoid a single point of failure.
- First network was called Arpanet.

Browsers Share

Browsers Share

StatCounter Global Stats
Browser Market Share Worldwide from Aug 2019 - Aug 2020

Browser	Share
Chrome	64.31%
Safari	17.22%
Firefox	4.38%
Samsung Internet	3.36%
UC Browser	2.39%
Opera	2.13%
Edge Legacy	1.92%
IE	1.63%
Android	0.57%
Other	2.07%

Tools

Tools

- ▶ Sign up for an account on github.com
- ▶ Google chrome browser.
- ▶ Visual Studio Code (https://code.visualstudio.com/) or Sublime Text 3 (sublimetext.com/3)
- ▶ git (https://git-scm.com/).
- ▶ NodeJs (https://nodejs.org/en/).
- ▶ browser sync (https://www.browsersync.io/) (browser-sync start –server –directory –files "**/*") Should be run in the same folder where your html files are.

Tools

git

Free and open source distributed version control system designed to handle everything from small to very large projects with speed and efficiency.

- ▶ git init. For local projects.
- ▶ git clone. To bring a remote project to your machine.

  git clone https://github.com/InternetProgramming0107571/Spring2020.git

- ▶ git status
- ▶ git add *
- ▶ git commit -m "comment"
- ▶ git push

Helpful Sites

To Get Help

- ▶ "https://stackoverflow.com/": for asking questions.
- ▶ "https://jsfiddle.net/": code on line, then you can save your work and take the link to send it to someone else.
- ▶ "https://codepen.io/": like the above but better.

URL

URL

URLs, universal resource locators.

There are three parts to a network address:

1. The protocol (http://, ftp://)
2. Name (www.facebook.com)
3. Resource id, anything after name.