EP1000

Today's Class

CSS, Version Control (Git), Markdown

Review

- Have you created JR's site?
- Have you played with CSS?
- Local hosting

Jake Wright's site

- Key points
  - How to layout a typical site – JW modified
  - Navigation links
  - Sections – section, div
- Simple examples to CSS
  - Class
  - Ids
- External CSS files

Website construction

- Jake Wright's Learn CSS in 12 minutes
  - How to plan a site
  - How to sub-divide your site into sections
  - Use CSS to format your content
- Need to implement JW Site in Github
  - Modify to 1024 width
  - Choose a nice color scheme
  - Start populating the site
  - How would you add pages?
  - Is this a viable solution

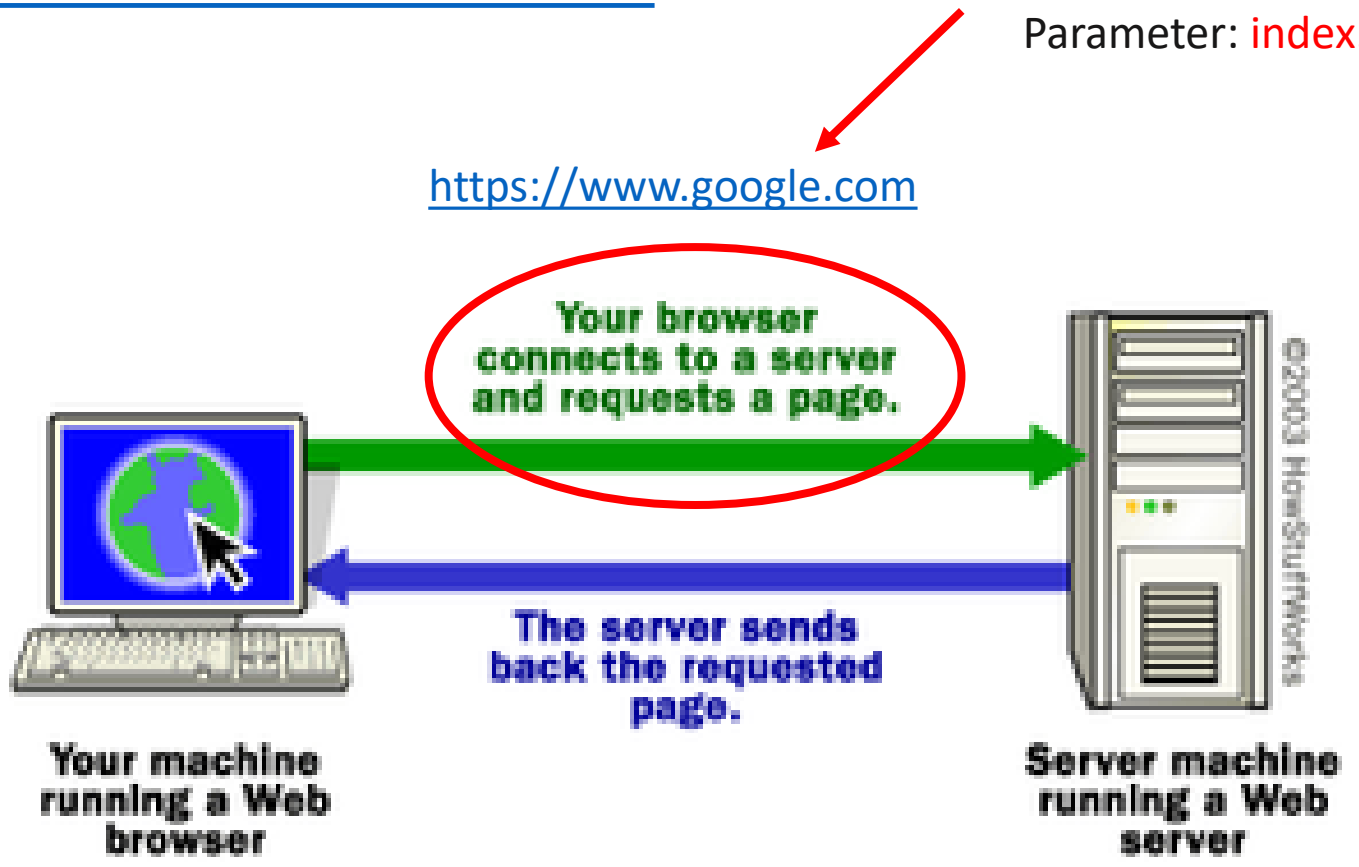
Hosting HTML pages

- How to view HTML pages?
  - Drag and drop onto a browser
  - Use a local webserver (HTTP server)
    - Apache Web Server (too complex)
    - Portable Web Servers
    - RTLabs - Tiny HTTP Server
    - Use python (`python -m http.server`)
- Need to fix Chrome – only allows HTTPS
  - Spiceworks: How to: Chrome: allow localhost site even without https certificate
  - **chrome://flags/#allow-insecure-localhost** - enable

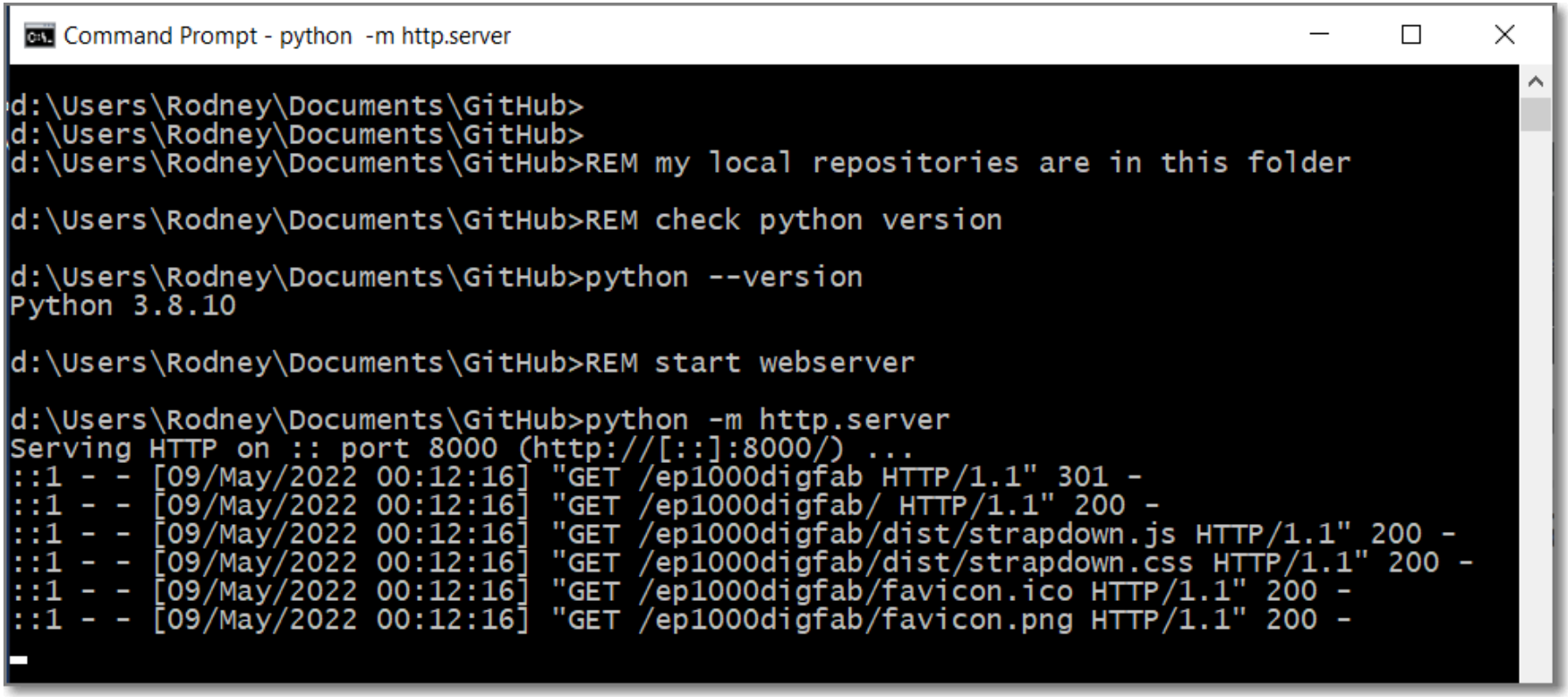
What is a webserver?

- How do Webservers work?

Protocol: https
Address: www.google.com
Cmd: GET
Parameter: index.html

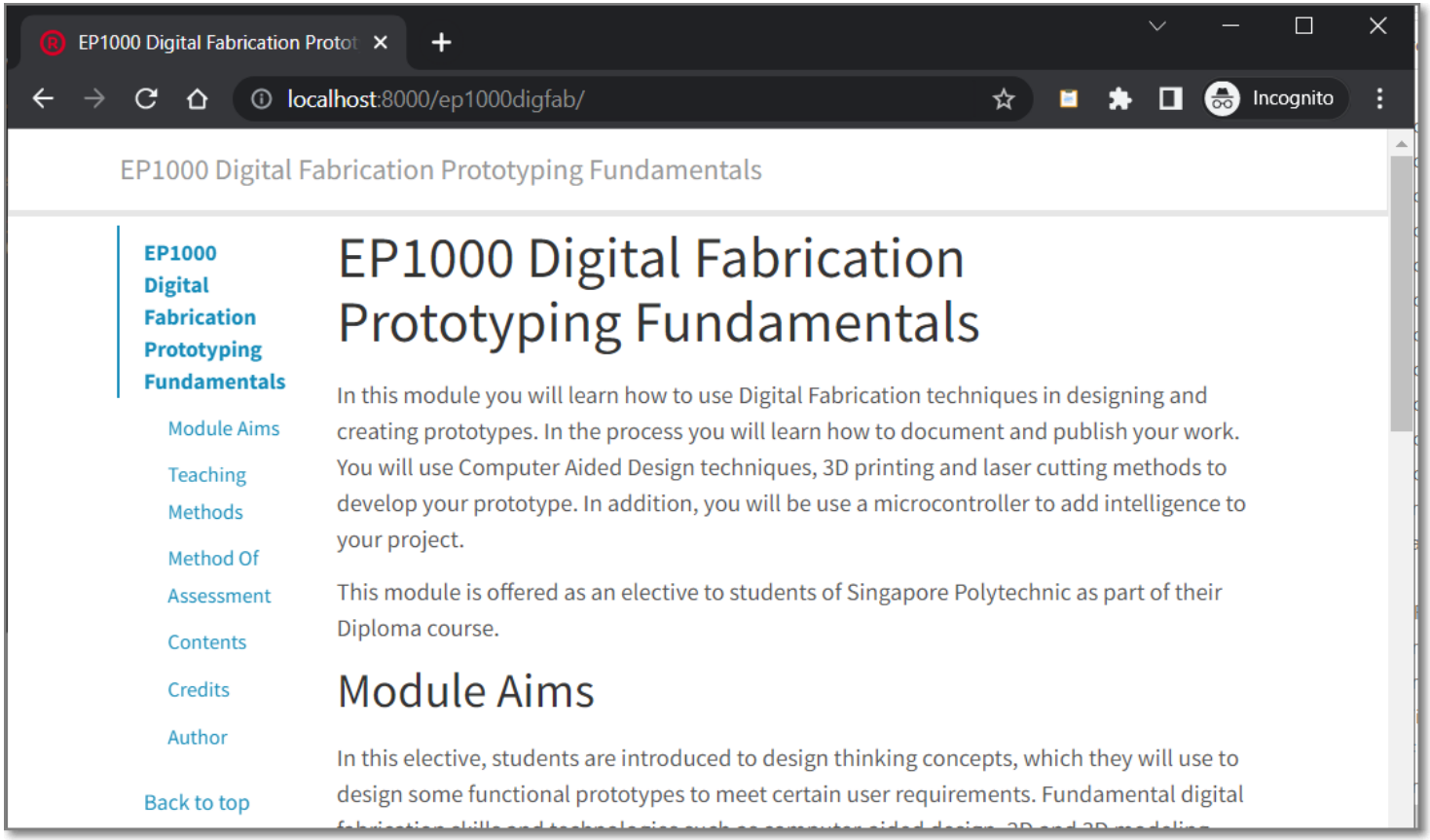


python –m http.server



- Only works with python version 3
- ^C (Ctrl-C to exit and close)

Localhost:8000



Great for advanced testing

Version Control - git

- Keeps a backup of your work
- Allows you to access and view previous changes
- Alternatives:
  - Dropbox
  - Google Drive (have to do manual backup)
  - Microsoft Onedrive

  - Problems:
    - Instantaneous
    - Not suited for collaborative (group) work

A little technical...

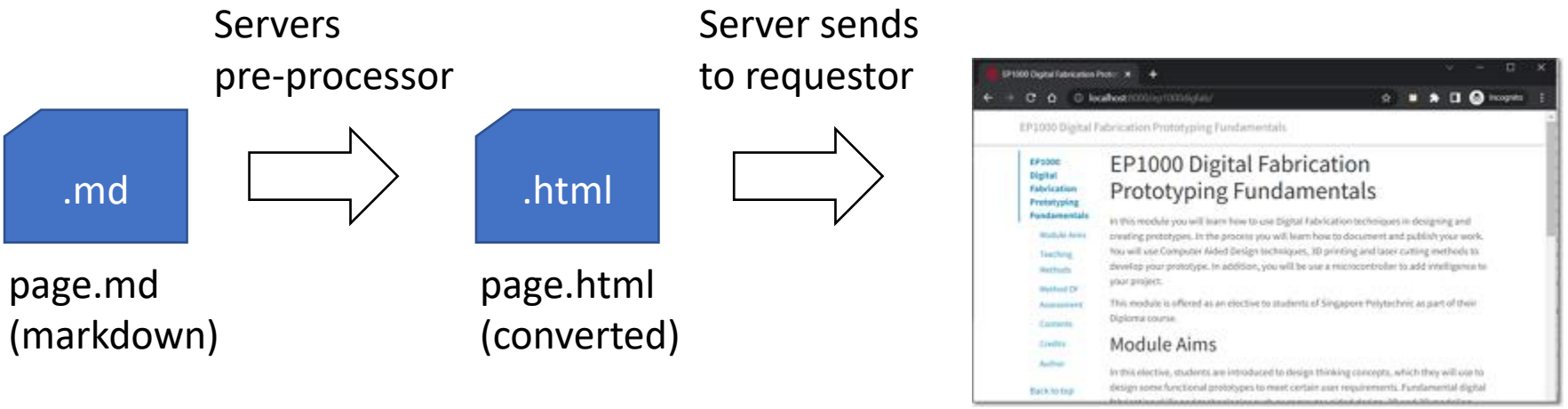
- Latest addition to “git” videos
  - Suited for programmers
  - Uses git desktop

Youtube:
[Andreas Spiess - GitHub Tutorial without using the Command Line]

Markdown

- Easy to learn, write and use – Markdown Guide
- Used in github (README)
- Can be used to develop an entire site: EP1000
- Viewing in Chrome (need extensions)
  - Markdown Viewer
  - Markdown Preview Plus
- Editing in VSCode, Atom, Sublime

How it works...(on Github)



- Owner uploads .md files, server automatically converts them
- Client requests for site files
- Server sends HTML code

Alternatively...

- Strapdown.js - use Javascript to convert the contents on the client side.
  - Files saved as HTML
  - Client receives the HTML file
    - Executes the JS code
    - JS converts contents to HTML
    - Displayed on browser
- Example: ep1000digfab site

Markdown

- Advantages
  - Easy to learn, use and write
  - Easy to read (looks like notes)
- Disadvantages
  - Looks like notes
  - Cannot “prettify” site, looks very plain

- What you cannot do in Markdown, do in HTML/CSS (Markdown processors ignore HTML/CSS)

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Notes

End