The Finishing Touches

GENERAL ASSEMBLY

Learning Objectives

- **Understand** what a domain is
- **Explain** what hosting is, and the different types of hosting
- **Talk about** hosting considerations
- **Explain** the process of finding and buying a domain name
- **Identify** and **create** a checklist before launching your website
- **Explain** and **experience** the canvas element

Agenda

- Domains
- Hosting
    - Types
    - Considerations
- Finding and purchasing a domain and hosting
- Checklist for launch
- Review
- Canvas

This week

Domains

GENERAL ASSEMBLY

What is a domain name?

- A friendly, unique address for your server
- Essentially a name
- Examples
  - google.com
  - slides.com
  - generalassemb.ly

Domains vs. URLs

- Not the same thing!
- A URL is a uniform resource locator. It contains:
    - A protocol
    - A domain
    - A path to the file
    - Potentially a lot more (hash fragments, ports etc.)
    - e.g. http://www.someportfolio.com/about.html

Types of domains

- Top-Level Domains (TLD)
- country code Top-Level Domains (ccTLD)
- generic Top-Level Domains (gTLD)
- Second-Level Domains (2LD)
- Sub-domains

Top-Level Domain

- A TLD is a domain that only contains one suffix
- <u>Examples</u>:
    - .com
    - .edu
    - .gov
    - .mil

ccTLD

- A country-code Top-Level Domain
- Examples:
  - .fr
  - .cn

gTLD

- A generic top-level domain
- Examples:
    - .academy
    - .florist
    - .weather

2LDs

- A domain with two suffixes
- <u>Examples</u>:
  - .com.au
  - .avocat.fr (attorneys in France)
  - .ac.yu (Academic institutions in Yugoslavia)

Sub-Domains

- Something that comes before the main domain name
- Examples:
    - drive.google.com
    - en.wikipedia.org

Hosting

Hosting

- Lots of different types:
    - Shared Hosting
    - Virtual Private Server Hosting
    - Dedicated Hosting
    - Cloud Hosting

Shared Hosting

- One server with many websites
- Often shared resources (e.g. RAM)
- Cheapest
- Easiest to get set up

Virtual Private Server

- One server with many virtual servers
- Often shared resources still, but much more control
- Balance of control and price

Dedicated Servers

- One server with one website on it
- Very performant
- Highest level of control and security

Cloud Hosting

- Lots of servers working together to host a website
- Very scalable
- The most performant

Hosting Considerations

How do you decide?

On a case-by-case basis…

But there are some things that you need to consider

How do you decide?

- Uptime
- Support
- Bandwidth
- Price
- Data storage
- Scalability
- Control
- Location

Purchasing

Finding Domains

- Domainr

Purchasing Domains

- MediaTemple
- GoDaddy
- CrazyDomains
- BlueHost
- NameCheap
- Domainr

Using a Domain and Hosting

- Create an account

- Buy a Domain and Hosting

- My Account

- Hosting Manager

- Login

- Click File Manager (or cPanel)

- Upload all files to the public_html folder

Note: These steps are different for each provider

Checklist

Some actual checklists

- weblaunchchecklist.com
- frontendchecklist.com
- Humaan
- The Polish Checklist
- webdevchecklist.com

Content

- Check spelling and readability

- meta tags

- Title (less than 65 characters) and description (less than 150 characters)

- Favicons and app icons

- Custom error page (404.html)

Performance

- Image Compression
- JS and CSS Minification

SEO

- Used keywords
- Added Google Analytics
- sitemap.xml
- robots.txt
- Image alt and title attributes set
- Make sure that all links work!

Some extra things

- Accessibility
- Functionality (make it responsive and compatible)
- Use HTTPS!

Checks

- HTML Validator
- CSS Validator
- Google Page Speed Insights
- Google Mobile Speed
- Test robots.txt

P5.js

GENERAL ASSEMBLY

Homework

- Your project!

Q & A

Feedback Time

Lesson 19: **The Finishing Touches**

https://ga.co/fewd32syd

Thanks!