Web Development

Produced by

Eamonn de Leastar (edeleastar@wit.ie)

Department of Computing, Maths & Physics
Waterford Institute of Technology
http://www.wit.ie
http://elearning.wit.ie

Waterford Institute *of* Technology
INSTITIÚID TEICNEOLAÍOCHTA PHORT LÁIRGE

eLearning
support unit

Agenda

- The Module

- The Internet

- The Web

- The Labs

Useful Text

- Freeman, Elisabeth and Eric Freeman. 2005. Head First HTML with CSS & XHTML . O'Reilly & Associates. 658 p. ISBN 0-596-10197-X

Head First Programming
By David Griffiths, Paul Barry
November 2009
Print: $49.99
Ebook: $39.99
Bundle: $54.99

If you have little or no programming experience, started with the core concepts of writing computer programs -- functions, and objects --… Read more.

Head First 2D Geometry
By Lindsey Fallow, Dawn Griffiths
November 2009
Print: $19.99
Ebook: $15.99
Bundle: $21.99

Having trouble with geometry? Do Pi, the Pytha calculations just make your head spin? Relax. With Head First 2D everything from triangles, quads, and… Read more.

Head First iPhone Development
By Dan Pilone, Tracey Pilone
October 2009
Print: $44.99
Ebook: $35.99
Bundle: $49.49

Let's say you have an idea for a killer iPhone a Head First iPhone Development will help you get your first applic Read more.

Head First PMP, Second Edition
By Jennifer Greene, Andrew Stellman
July 2009
Print: $69.99
Ebook: $55.99
Bundle: $76.99

Learn the latest principles and certification obje Fourth Edition, in a unique and inspiring way with Head First PMF book helps… Read more.

Head First Data Analysis
By Michael Milton
July 2009
Print: $49.99
Ebook: $39.99
Bundle: $54.99

How can you learn to manage and analyze all k First Data Analysis, where you'll learn how to collect and organiz more.

Head First Networking
By Al Anderson, Ryan Benedetti
May 2009
Print: $54.99
Ebook: $43.99
Bundle: $60.49

Frustrated with networking books so chock full of acronyms that your brain goes into sleep mode? Head First Networking's unique, visually rich format provides a task-based approach to computer networking… Read more.

O'REILLY Brain-Friendly Guides from O'Reilly Media, Inc.

Head First Labs

Home | Books | Forums | Blog | About | write for us

New Year, Lots of New Books (and an iPhone app)!

Are you sitting down? Hopefully you are, because we've got a lot to discuss here. Since the last time we posted, we've released four more new books, and an iPhone app to boot. Speaking of iPhone apps, let's start with one of the more recent books we just published...

Head First iPhone Development
In true Head First fashion, you'll be building an app right out of the gate in the first chapter of Head First iPhone Development. Obviously, if you want to build iPhone apps, you want to sell them in the app store, so the book is geared towards getting you creating apps quickly, and also focuses on designing top-notch apps and how to navigate the app submission process. Back in November, co-author Dan Pilone taught a great workshop, Build, Compile, and Run Your iPhone App in 2 days, which covered a lot of the material in the book, namely, getting a developer who knows how to code in an Object Oriented environment coding on a Mac in Objective-C. And Tracey Pilone (co-pilot of the most prolific Head First writing couple since Kathy and Bert!) also recently posted over on the O'Reilly Community blog about her experience as a Head First author, which is a great read for any aspiring Head First authors. (You can follow them both on Twitter as @danpilone and @traceypilone.)

Head First Programming
Completely new to programming? Based on experience with Head First's successful books on programming languages, design patterns, and technologies, learners have long been clamoring for a general Head First introduction to programming for the absolute beginner. In November, Paul Barry and Head First veteran David Griffiths teamed up to finally fill that need with Head First Programming. Of course, this being Head First, you can forget "Hello, World!" and pages upon pages of dull, dry, boring text you'll never apply to real-world problems. By the time you've worked through the first few chapters of this book, you'll have written a numeric guessing game and interfaced with Twitter's API. And by the end of the book, you'll have a completely functional and attractive graphical desktop application! Though the authors use the dynamic and versatile Python language to apply and reinforce the general programming concepts illustrated in concrete examples and exercises, you'll be able to apply this knowledge to whatever language or software project you need or want to learn.

Search Head First Labs and O'Reilly.com

[Go] Search Tips

Subscribe to our RSS feed

Follow us on Twitter

Visit our Facebook Page

Looking for **source files**, **code**, **exercise answers**, and **other materials** to go along with your Head First book? Go to **this page**, find your book on the list, and click on the title.

The Latest Head First Tweets!

Head First (Excel and Data Analysis) author @michaelmilton's Google Apps for Business course starts today! http://oreil.ly/9X4lla 2 days ago

RT @mikehatora: Potential free book: 2 Question Survey-Mobile Platform for development, & why? http://bit.ly/aQwnid 7 days ago

Follow Head First Labs on Twitter!

CONSTRUCTION ZONE BEGINS

We need some help constructing and deconstructing <a> elements. Given your new knowledge of the <a> element, we're hoping you can help. In each row below you'll find some combination of the label, destination, and the complete <a> element. Fill in any information that is missing. The first row is done for you.

Label	Destination	What you write in HTML
Hot or Not?	hot.html	`<a href="hot.html">Hot or Not?</a>`
Resume	cv.html	
	candy.html	`<a href="_____">Eye Candy</a>`
See my mini	mini-cooper.html	
let's play		`<a href="millionaire.html">_____</a>`

there are no Dumb Questions

Q: I've seen many pages where I can click on an image rather than text. Can I use the <a> element for that?

A: Yes, if you put an <img> element between the <a> tags then your image will be clickable just like text. We're not going to talk about images in depth for a few chapters, but they work just fine as links.
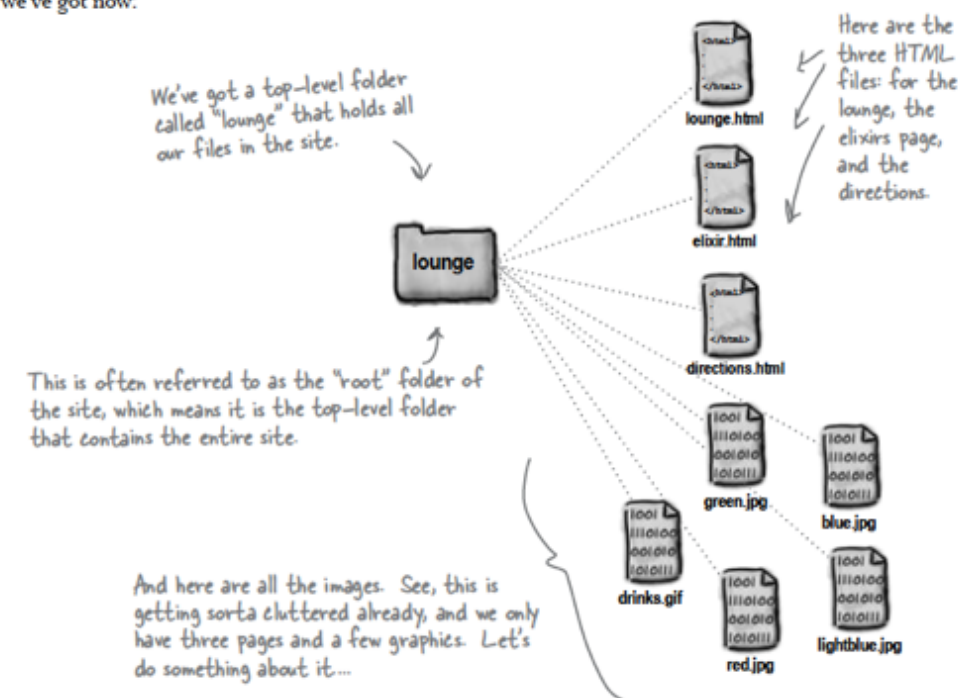
Q: So I can put anything between the <a> tags and it will be clickable? Like, say, a paragraph?

A: Whoa now. Not so fast. Not every element can be placed inside an <a> element. In general you'll just be using text and images (or both) within the <a> element. What tags will go inside other tags is a whole other topic, but don't worry; we'll get there soon enough.

Your work on the Head First Lounge has really paid off. With those enticing elixirs and directions, lots of people are frequenting the place and visiting the Web site. Now we've got plans for expanding the lounge's online content in all sorts of directions.

Getting organized

Before you start creating more HTML pages, it s time to get things organized. So far, we've been putting all our files and images in one folder. You'll find that even for modestly-sized Web sites, things are much more manageable if you organize your Web pages, graphics, and other resources into a set of folders. Here s what we ve got now:

We've got a top-level folder called "lounge" that holds all our files in the site.

Here are the three HTML files: for the lounge, the elixirs page, and the directions.

lounge.html

elixir.html

directions.html

This is often referred to as the "root" folder of the site, which means it is the top-level folder that contains the entire site.

green.jpg

blue.jpg

drinks.gif

red.jpg

lightblue.jpg

And here are all the images. See, this is getting sorta cluttered already, and we only have three pages and a few graphics. Let's do something about it...

7

Tags dissected...

Okay, you've seen a bit of markup, so let's zoom in and take a look at how tags really work...

You usually put tags around some piece of **content** Here we're using tags to tell the browser that our content, "Starbuzz Coffee Beverages", is a top level heading (that is, heading level one).

This is the **closing tag** that ends the heading; in this case the </h1> tag is ending an <h1> heading. You know it's a closing tag because it comes after the content, and it's got a "/" before the "h1". All closing tags have a "/" in them.

Here's the **opening tag** that begins the heading.

```
<h1> Starbuzz Coffee Beverages </h1>
```

Tags consist of the tag name surrounded by angle brackets; that is, the < and > characters.

The whole shebang is called an **element** In this case we can call it the <h1> element. An element consists of the enclosing tags and the content in between.

We call an opening tag and its closing tag **matching tags**.

> **To tell the browser about the structure of your page, use pairs of tags around your content.**
>
> **Remember,**
>
> **Element = Opening Tag + Content + Closing Tag**

---

there are no Dumb Questions

Q: So matching tags don't have to be on the same line?

A: No; remember the browser doesn't really care about tabs, returns, and most spaces. So, your tags can start and end anywhere on the same line or they can start and end on different lines. Just make sure you start with an opening tag, like <h2>, and end with a closing tag, like </h2>.

Q: Why do the closing tags have that extra "/"?

A: That "/" in the closing tag is to help both you and the browser know where a particular piece of structured content ends. Otherwise, the closing tags would look just like the opening tags, right?

Q: I've noticed the HTML in some pages doesn't always match opening tags with closing tags.

A: Well, the tags are *supposed* to match. In general, browsers do a pretty good job of figuring out what you mean if you write incorrect HTML. But, as you're going to see, these days there are big benefits to writing totally correct HTML. If you're worried you'll never be able to write perfect HTML, don't be; there are plenty of tools to verify your code before you put it on a Web server so the whole world can see it. For now, just get in the habit of always matching your opening tags with closing tags.

Q: Well, what about that <img src="drinks.gif"> tag in the lounge example? Did you forget the closing tag?

A: Wow, sharp eye. There are some elements that use a shorthand notation with only one tag. Keep that in the back of your mind for now and we'll come back to it in a later chapter.

Q: An element is an opening tag + content + closing tag, but can't you have tags inside other tags? Like the head and body are inside an <html> tag?

A: Yes, HTML tags are often "nested" like that. If you think about it, it's natural for an HTML page to have a body, which contains a paragraph, and so on. So many HTML elements have other HTML elements between their tags. We'll take a good look at this kind of thing in later chapters, but for now just get your mind noticing how the elements relate to each other in a page.

⚛ BRAIN POWER

Tags can be a little more interesting than what you've seen so far. Here's the paragraph tag with a little extra added to it. What do you think this does?

```
<p id="houseblend">A smooth, mild
blend of coffees from Mexico, Bolivia
and Guatemala.</p>
```

8

Topics in Web Development

- The language of the Web:

  Hypertext Markup Language - HTML

  Cascading Style Sheets - CSS

- The Language of Web Applications:

  - Java + the Play Web Application Framework (Version 1.2)

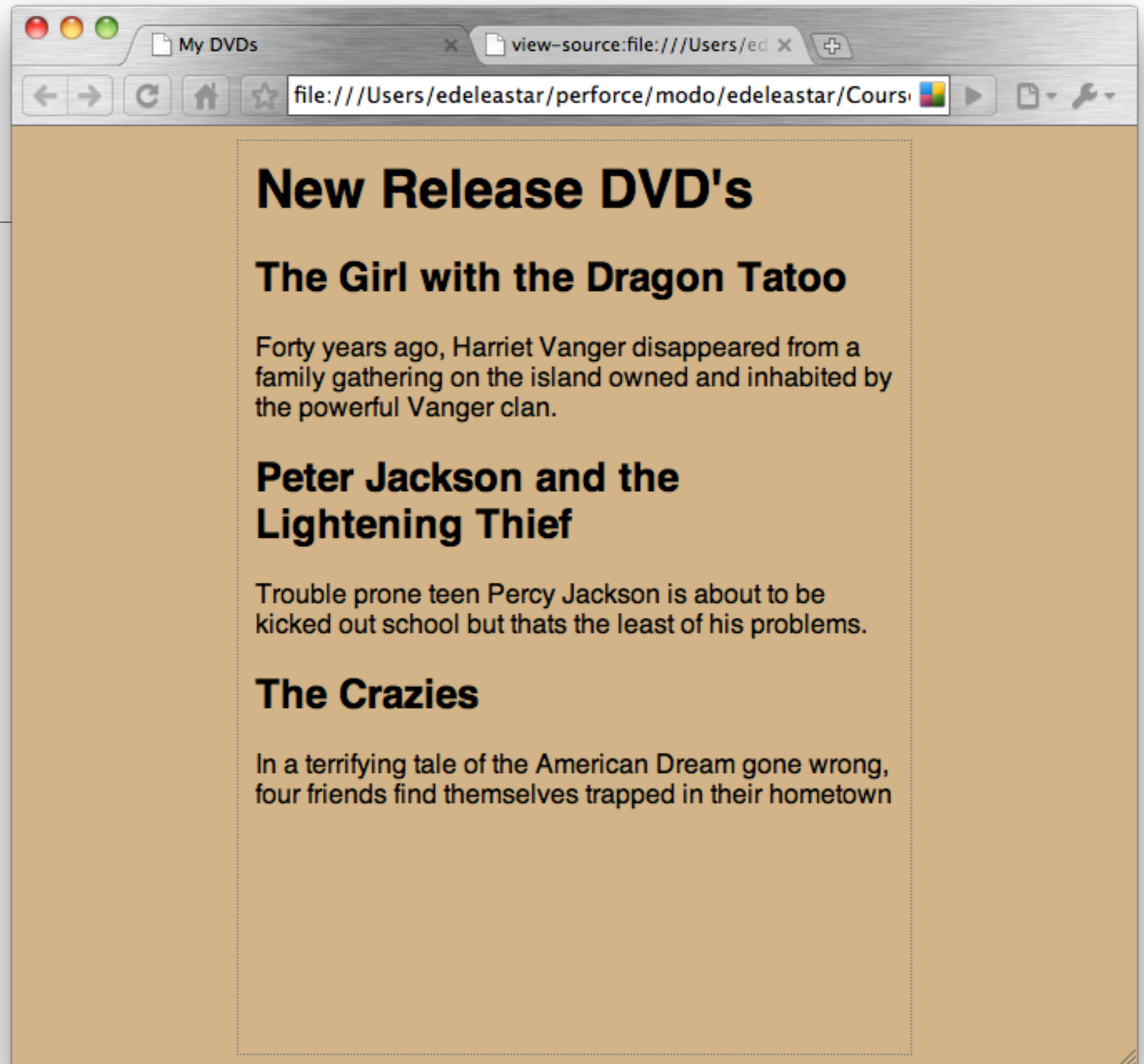- Building over successive labs a simple web site and web app from scratch.

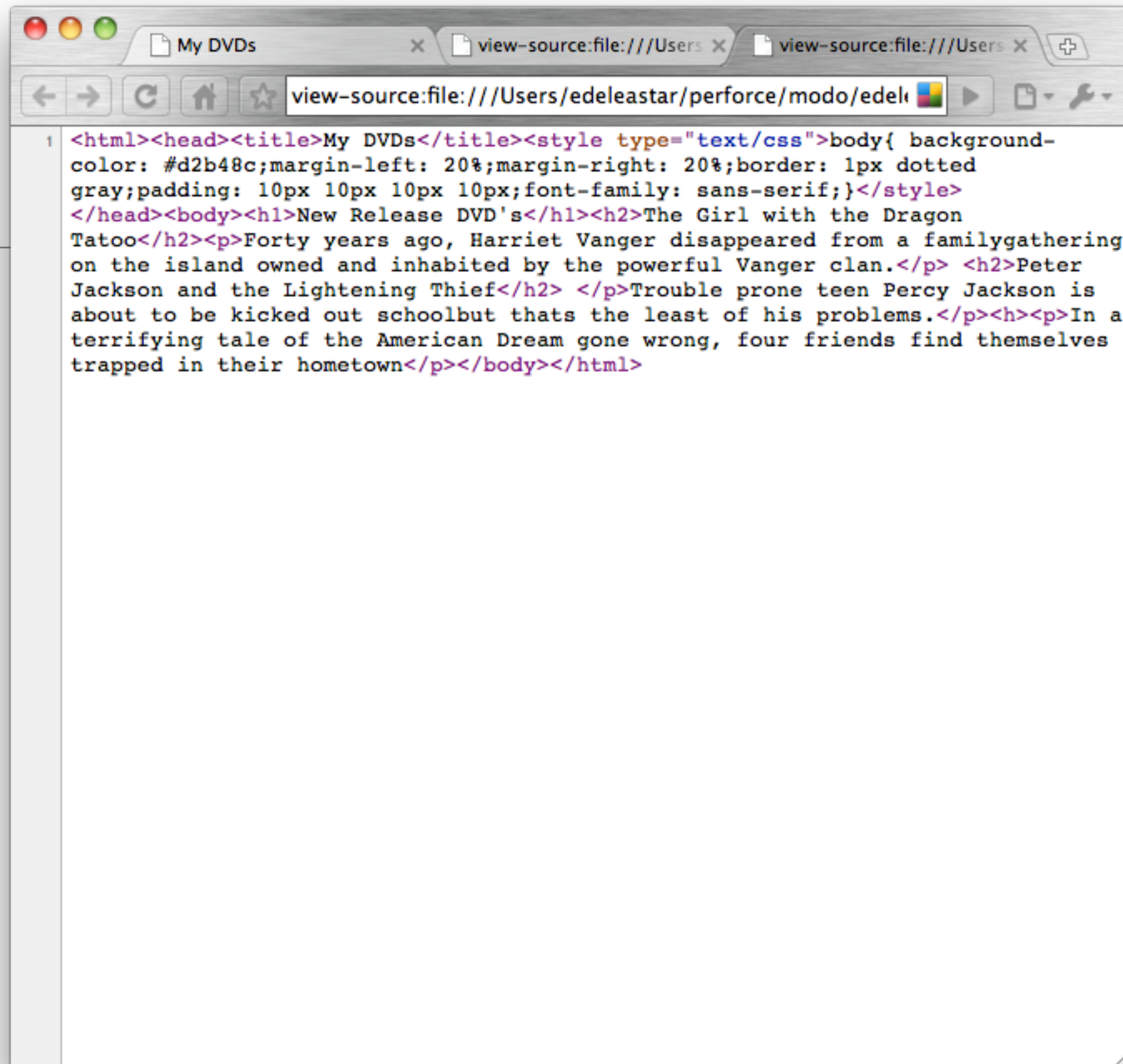- Focus on the structure and meaning of:

- •CODE - *html, css, Java*

•to build web sites and applications
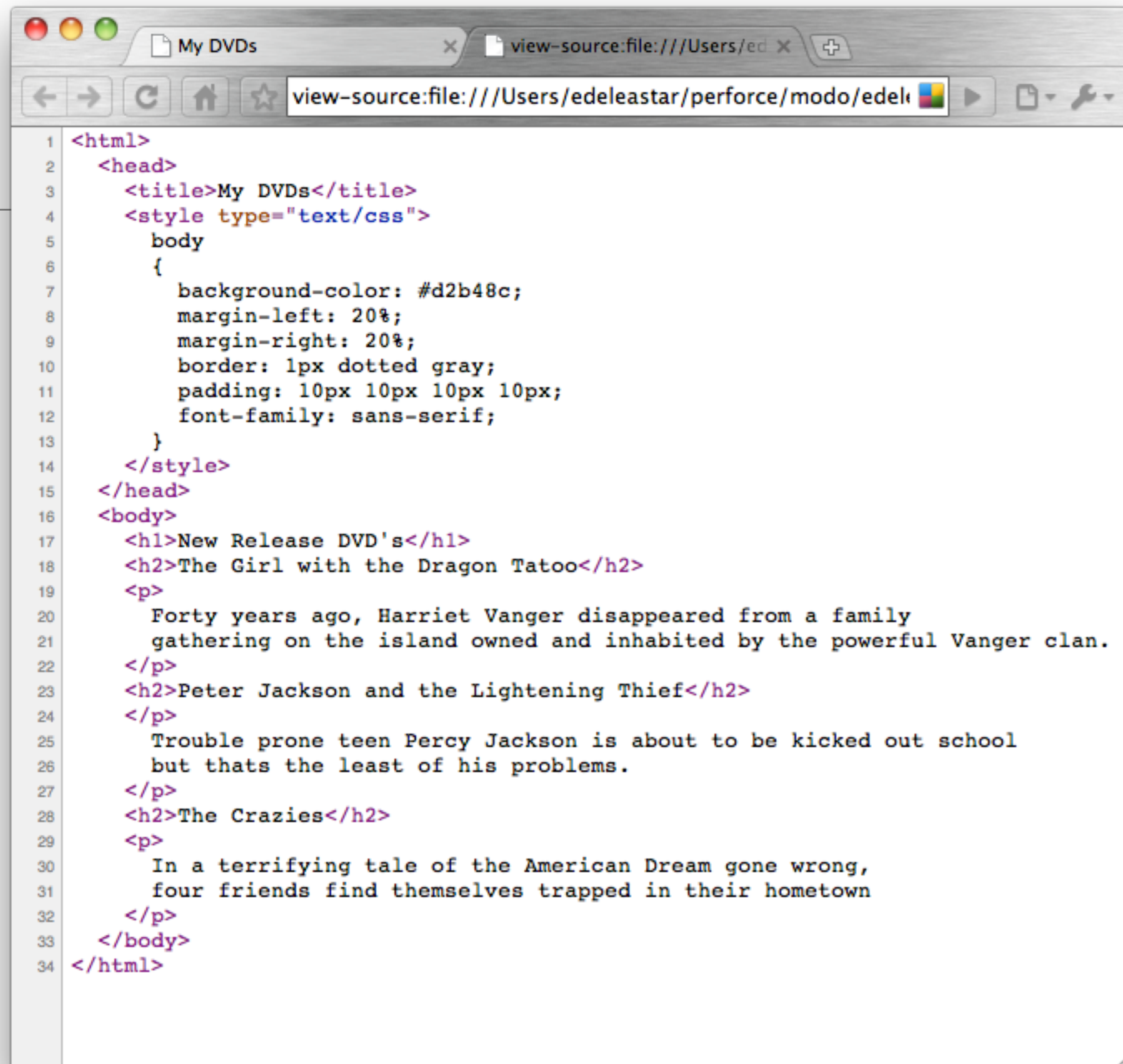
Lab 01

files
documents
folders
directories
media
content

New Release DVD's

The Girl with the Dragon Tatoo

Forty years ago, Harriet Vanger disappeared from a family gathering on the island owned and inhabited by the powerful Vanger clan.

Peter Jackson and the Lightening Thief

Trouble prone teen Percy Jackson is about to be kicked out school but thats the least of his problems.

The Crazies

In a terrifying tale of the American Dream gone wrong, four friends find themselves trapped in their hometown

- A document rendered (displayed) in a browser

```
1  <html><head><title>My DVDs</title><style type="text/css">body{ background-
   color: #d2b48c;margin-left: 20%;margin-right: 20%;border: 1px dotted
   gray;padding: 10px 10px 10px 10px;font-family: sans-serif;}</style>
   </head><body><h1>New Release DVD's</h1><h2>The Girl with the Dragon
   Tatoo</h2><p>Forty years ago, Harriet Vanger disappeared from a familygathering
   on the island owned and inhabited by the powerful Vanger clan.</p> <h2>Peter
   Jackson and the Lightening Thief</h2> </p>Trouble prone teen Percy Jackson is
   about to be kicked out schoolbut thats the least of his problems.</p><h><p>In a
   terrifying tale of the American Dream gone wrong, four friends find themselves
   trapped in their hometown</p></body></html>
```

- The actual document text - but poorly structured (indented)

11

```
1   <html>
2     <head>
3       <title>My DVDs</title>
4       <style type="text/css">
5         body
6         {
7           background-color: #d2b48c;
8           margin-left: 20%;
9           margin-right: 20%;
10          border: 1px dotted gray;
11          padding: 10px 10px 10px 10px;
12          font-family: sans-serif;
13        }
14      </style>
15    </head>
16    <body>
17      <h1>New Release DVD's</h1>
18      <h2>The Girl with the Dragon Tatoo</h2>
19      <p>
20        Forty years ago, Harriet Vanger disappeared from a family
21        gathering on the island owned and inhabited by the powerful Vanger clan.
22      </p>
23      <h2>Peter Jackson and the Lightening Thief</h2>
24      </p>
25        Trouble prone teen Percy Jackson is about to be kicked out school
26        but thats the least of his problems.
27      </p>
28      <h2>The Crazies</h2>
29      <p>
30        In a terrifying tale of the American Dream gone wrong,
31        four friends find themselves trapped in their hometown
32      </p>
33    </body>
34  </html>
```

- Exactly the same document - pleasingly indented

Agenda

- The Module

- The Internet

- The Web

- The Labs

The Internet
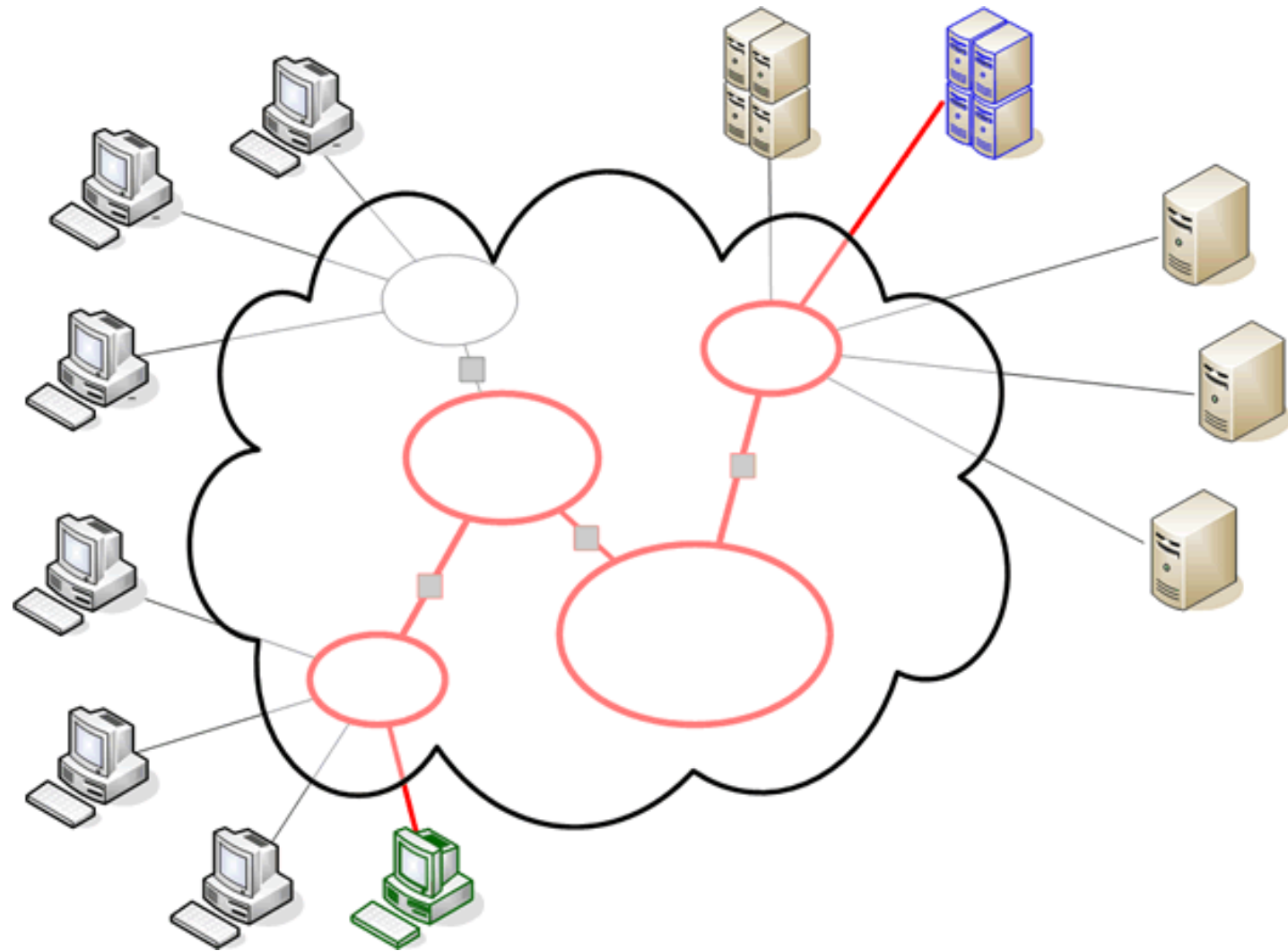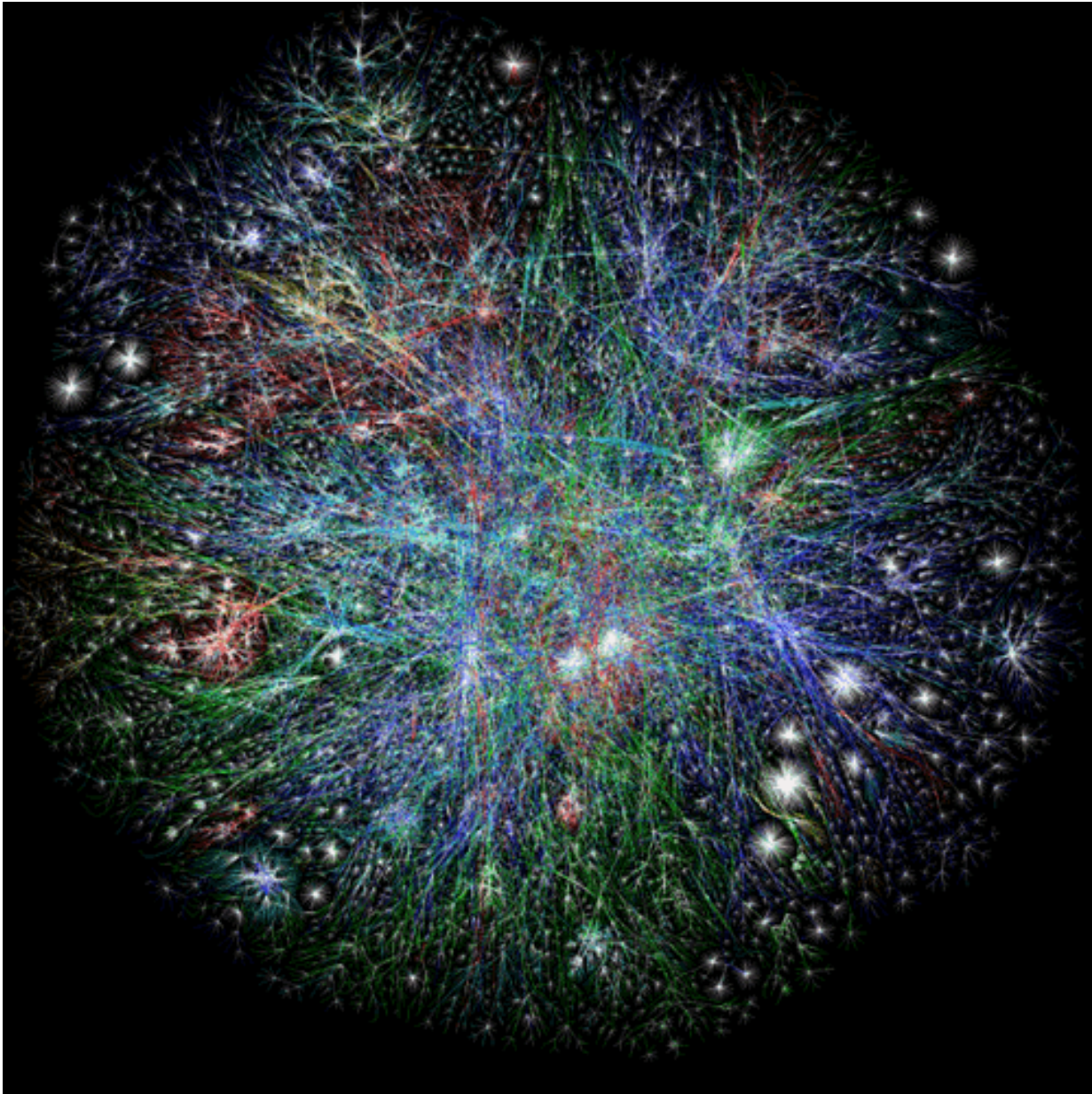
Underlying nature of the Internet - Protocols & Standards

The irony is that in all its various guises -- commerce, research, and surfing -- the Web is already so much a part of our lives that familiarity has clouded our perception of the Web itself.
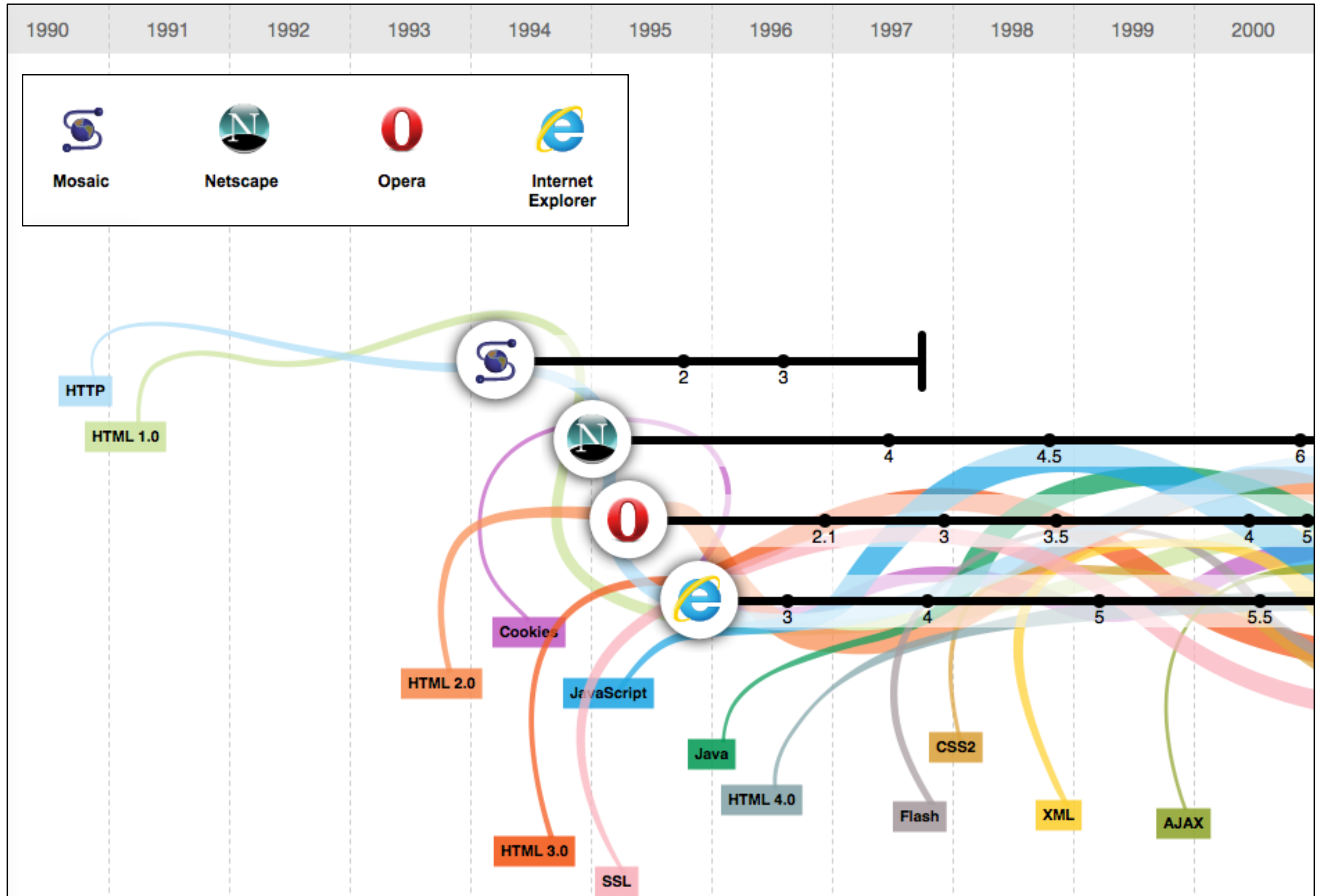
Tim Berners-Lee in Weaving the Web

- Email
  - SMTP
  - POP
  - IMAP
- File Transfer
  - FTP
  - SFTP
  - FTP over SSH
- Login
  - Telnet
  - SSH
- Web
  - HTTP, HTML
- Messaging
  - XMPP

Evolution of the Web - 1990-2012

- !!
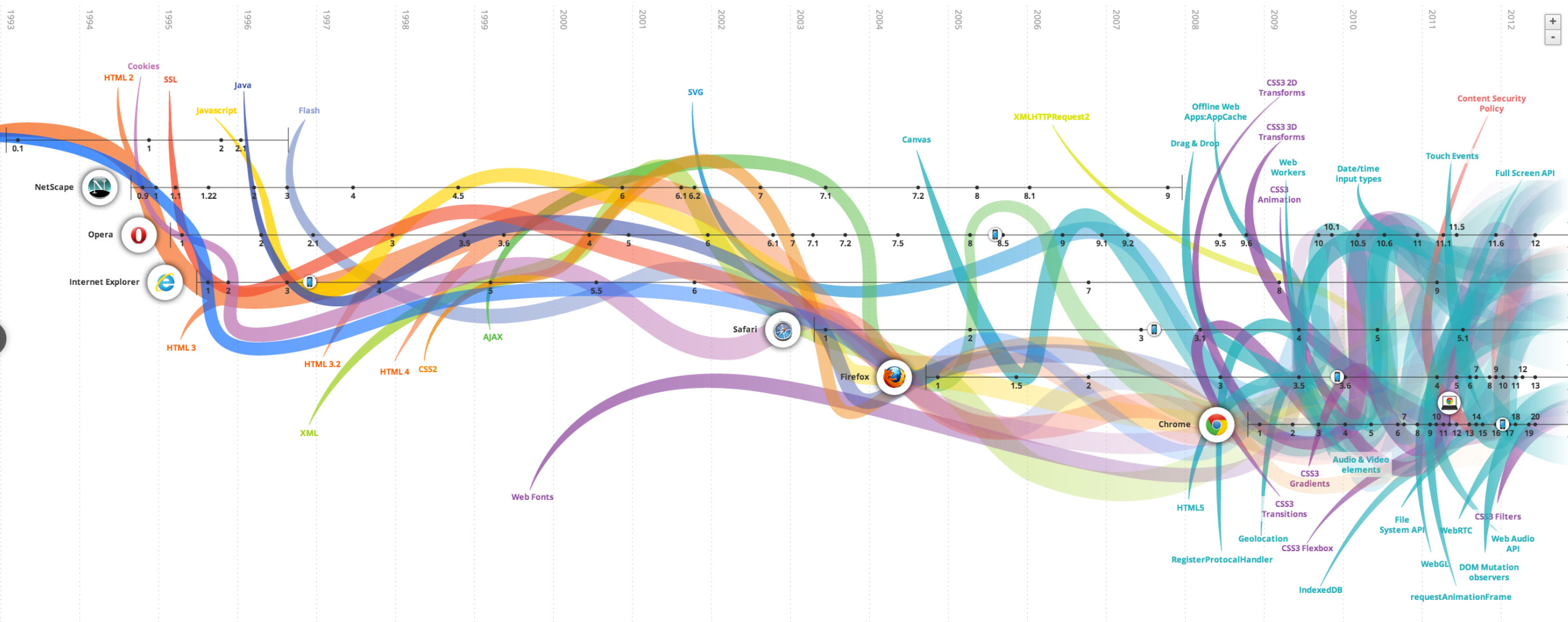
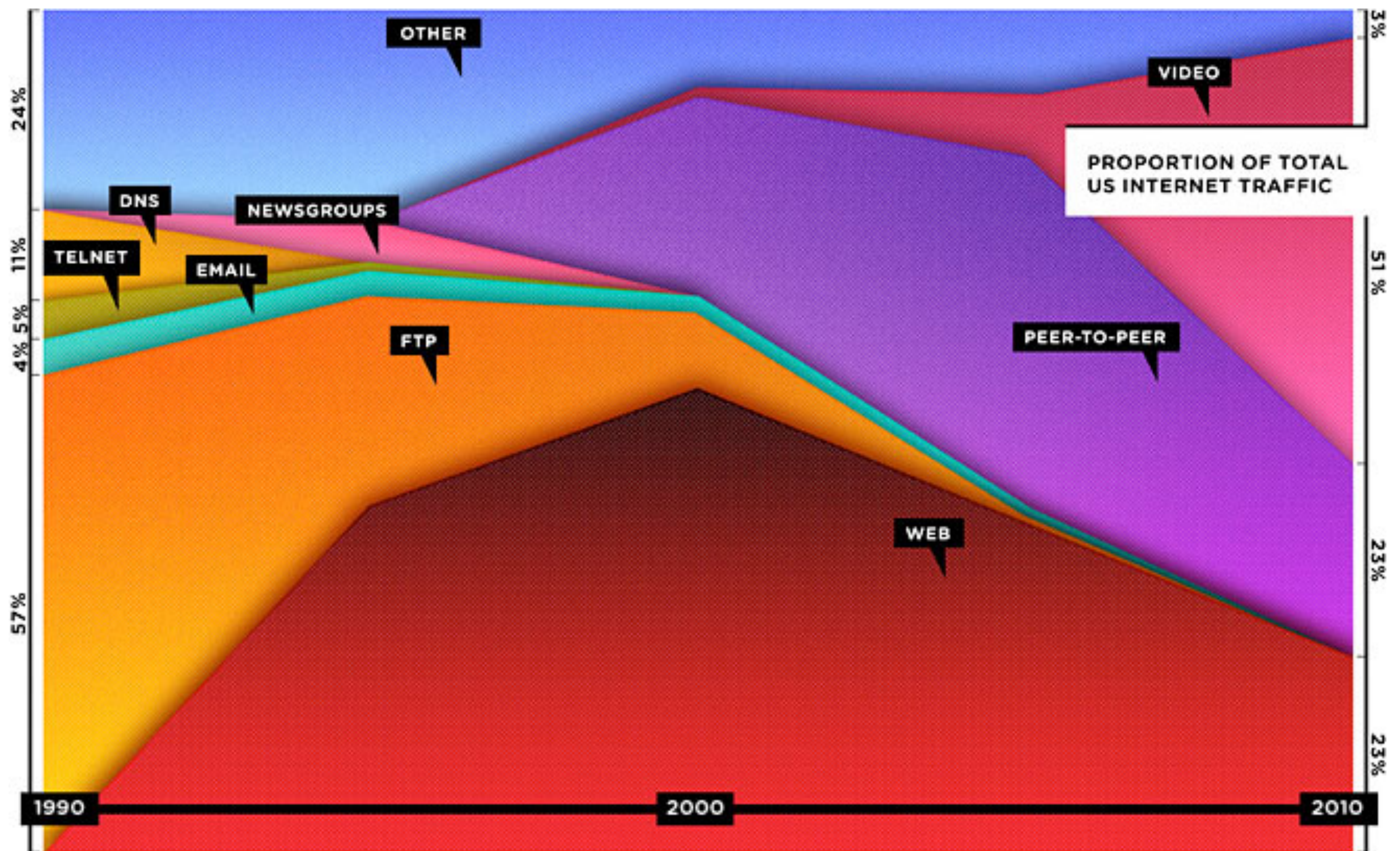# Evolution of The Web - 1990-2000

2001-2005
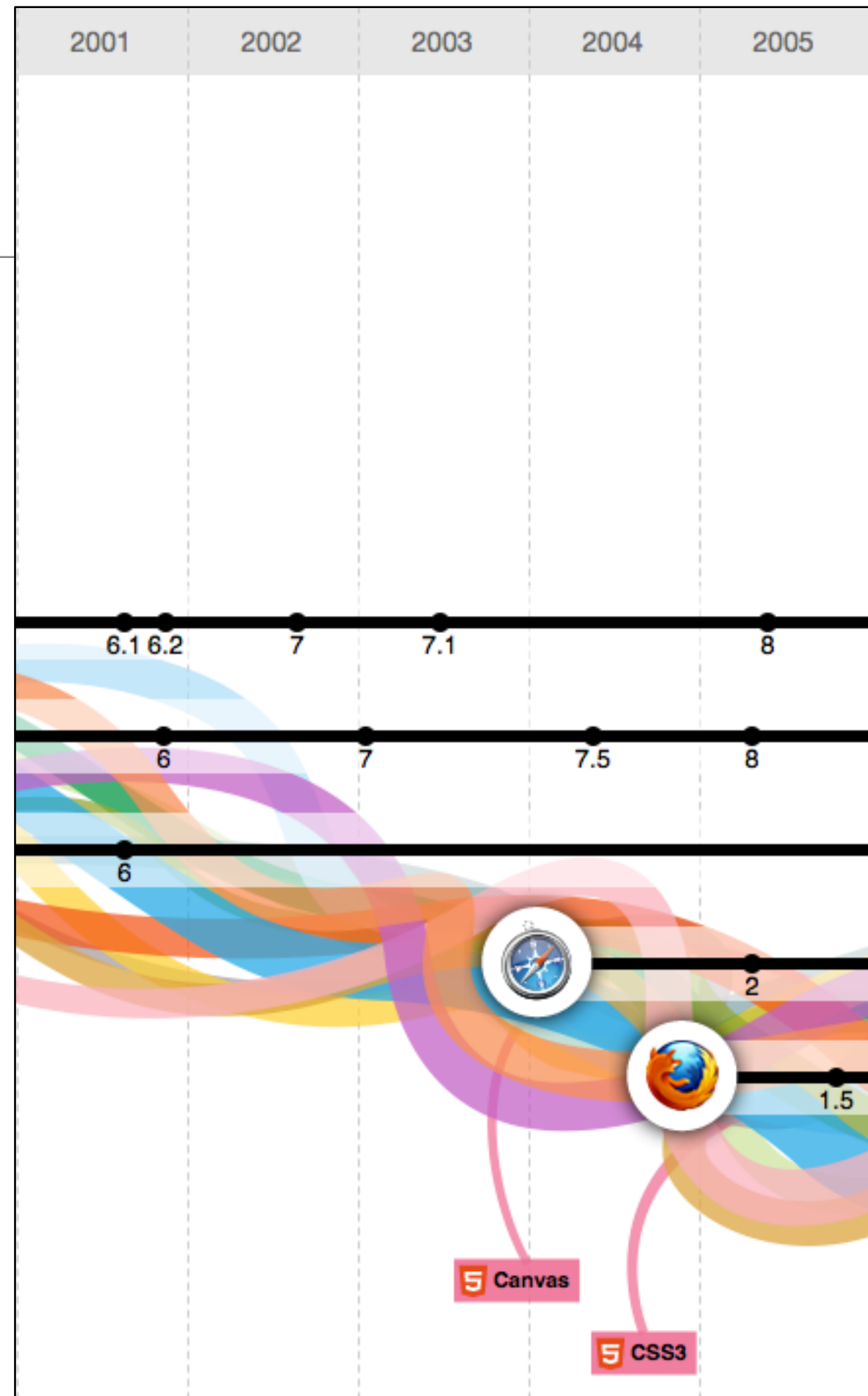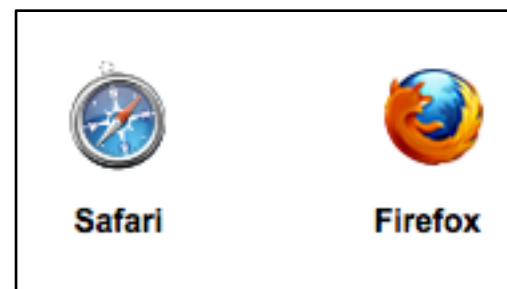
2006-2012
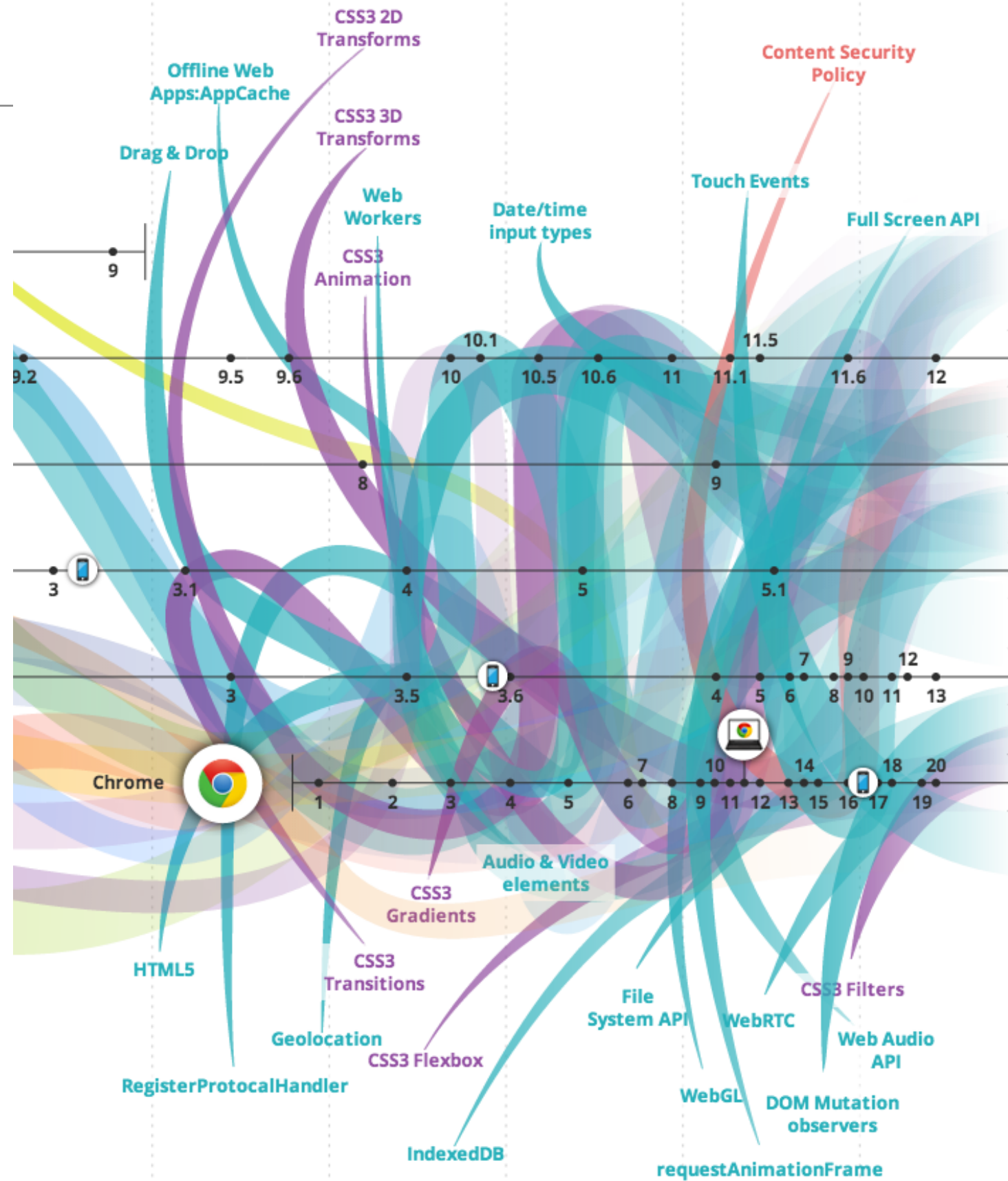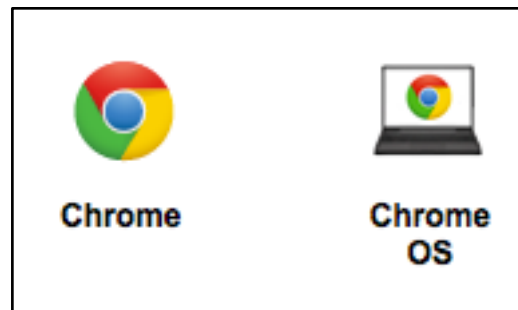
Evolution of the Web - 1990-2012

• !!
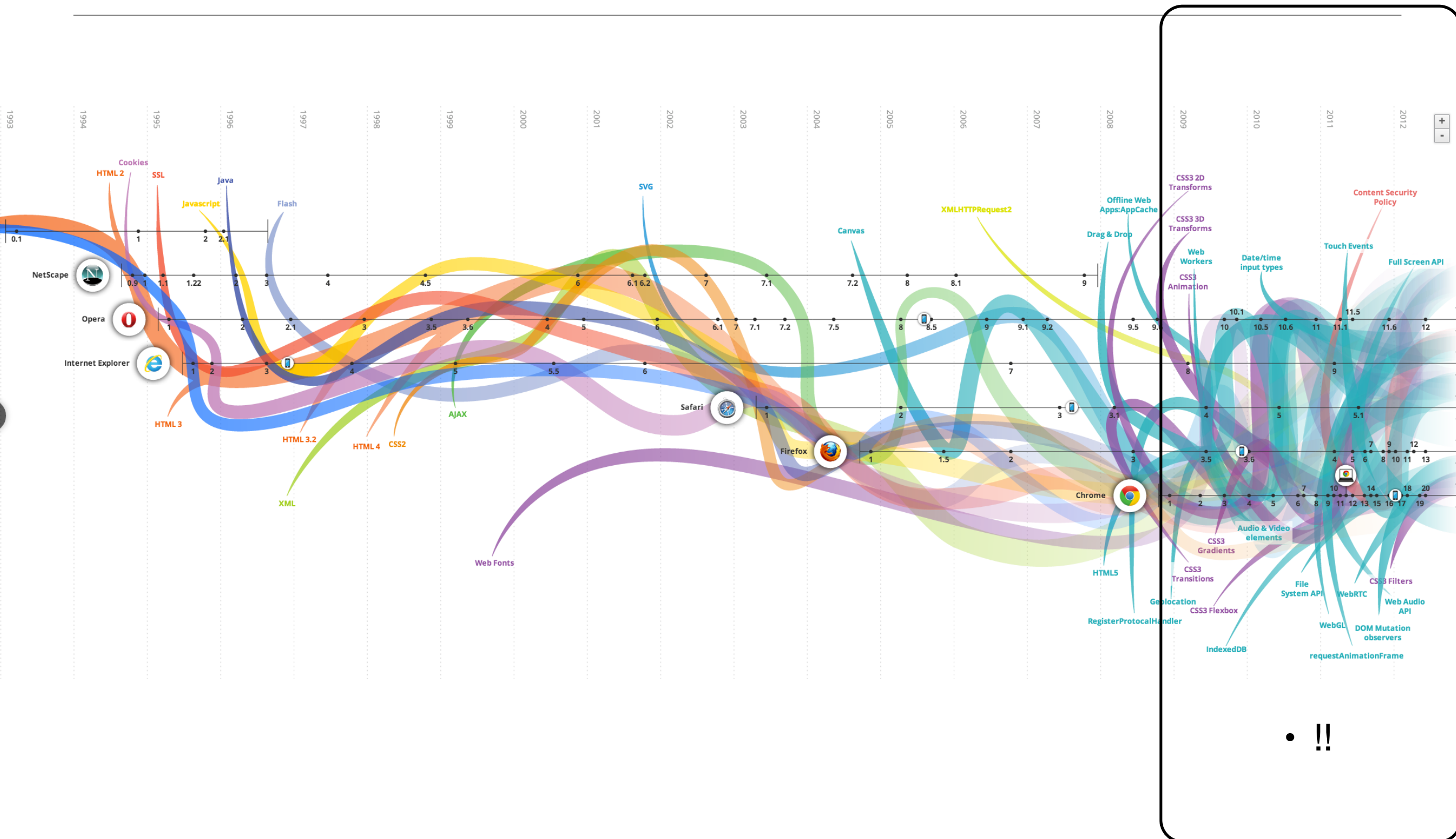
Evolution of Traffic Types

Top 10 Web Sites

- 1 facebook.com 590,000,000 (760,000,000,000)
- 2 youtube.com 490,000,000 (92,000,000,000)
- 3 yahoo.com 400,000,000 (70,000,000,000)
- 4 live.com 330,000,000 (37,000,000,000)
- 5 wikipedia.org 260,000,000 (6,400,000,000)
- 6 msn.com 250,000,000 (13,000,000,000)
- 7 baidu.com 230,000,000 (110,000,000,000)
- 8 blogspot.com 210,000,000 (4,800,000,000)
- 9 microsoft.com 190,000,000 (3,300,000,000)
- 10 qq.com 190,000,000 (53,000,000,000)

Agenda

- The Module

- The Internet

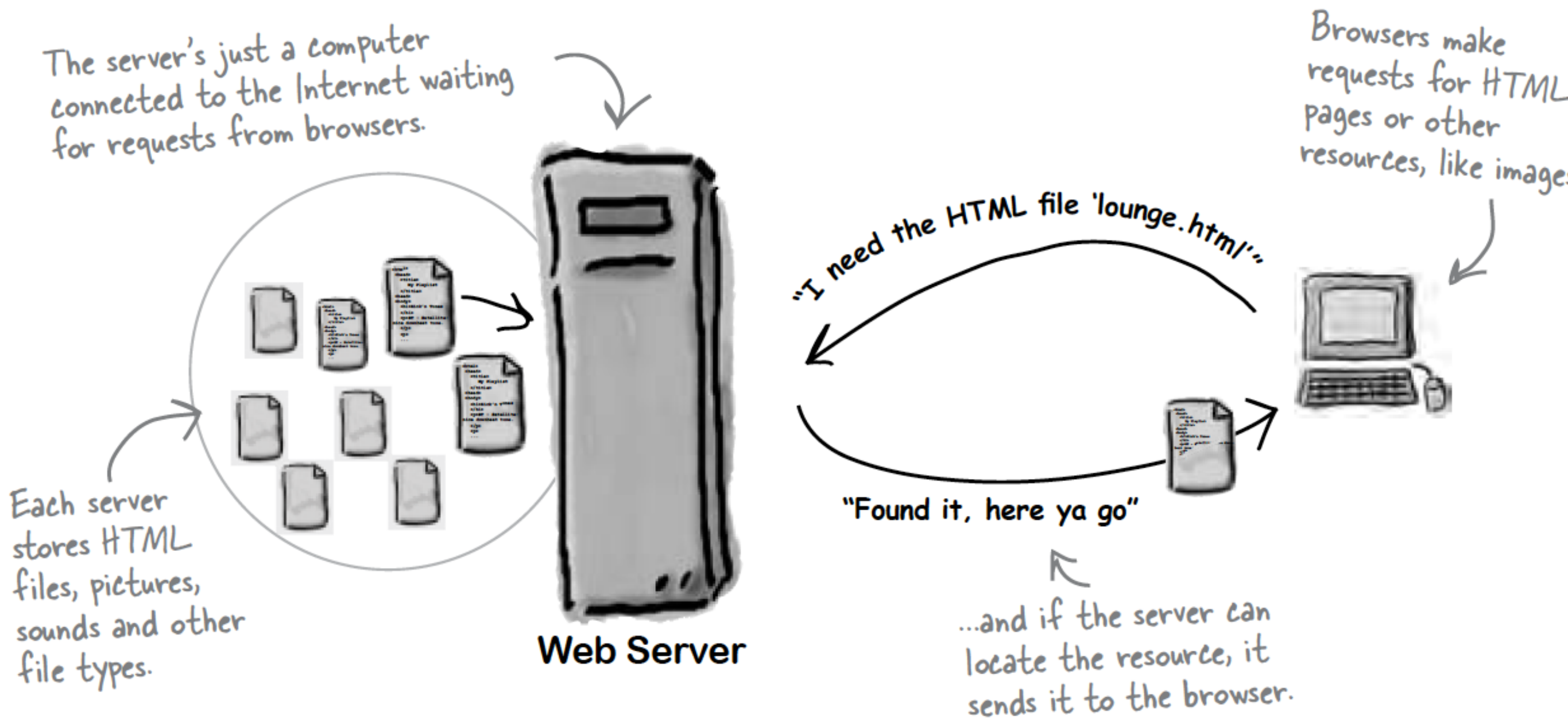- The Web

- The Labs

Clients and Servers

- Client/Server Computing:

  - The interaction between two programs when they communicate across a network.

  - A program at one site sends a request to a program at another site and awaits a response.

  - The requesting program is called a client; the program satisfying the request is called the server.
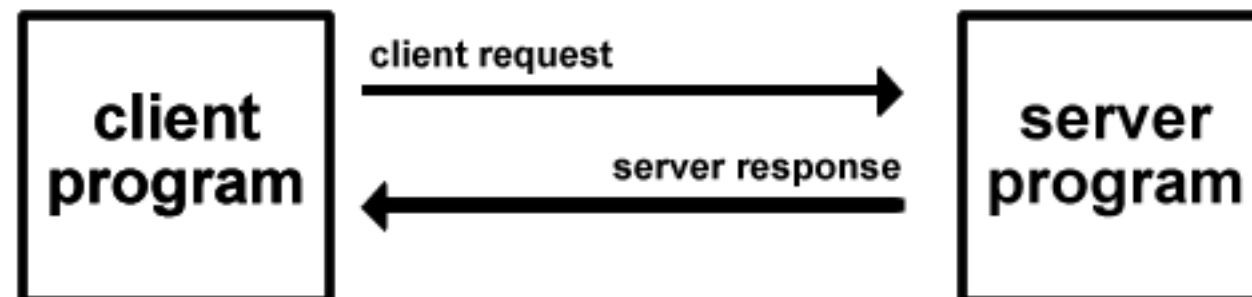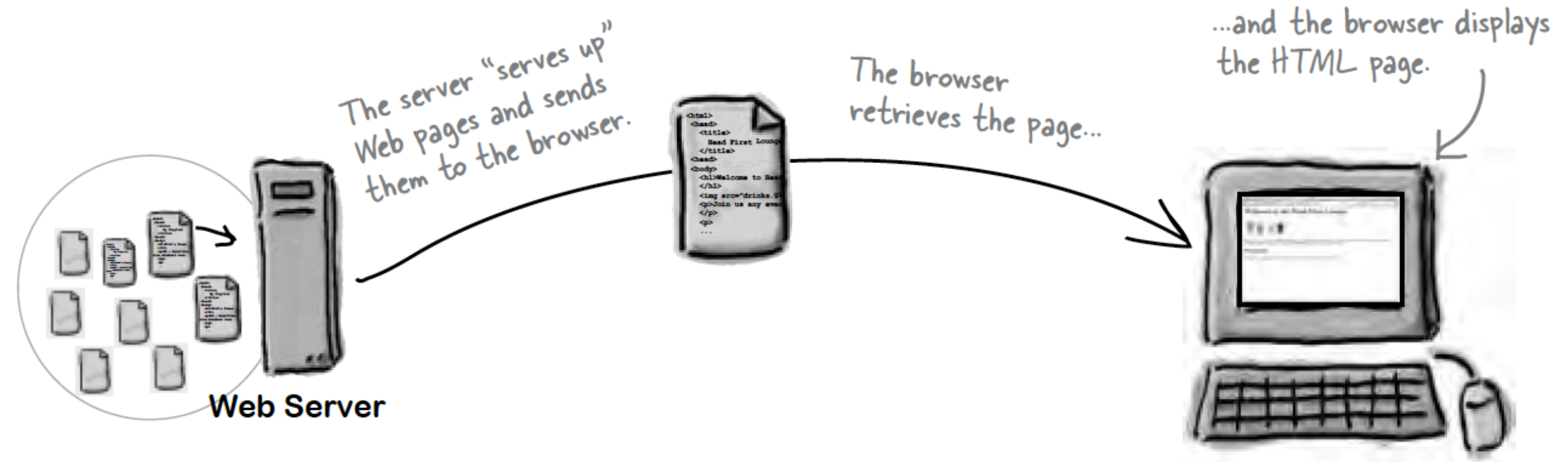
The Web

- Protocols & Standards

  - Protocol : agreed vocabulary to enable two programs to communicate

  - Standard: an agreed definition of the structure and meaning of a document

- Web Protocol

  - Hyper Text Transfer Protocol - HTTP

- Web Standard

  - Hyper Text Markup Language - HTML

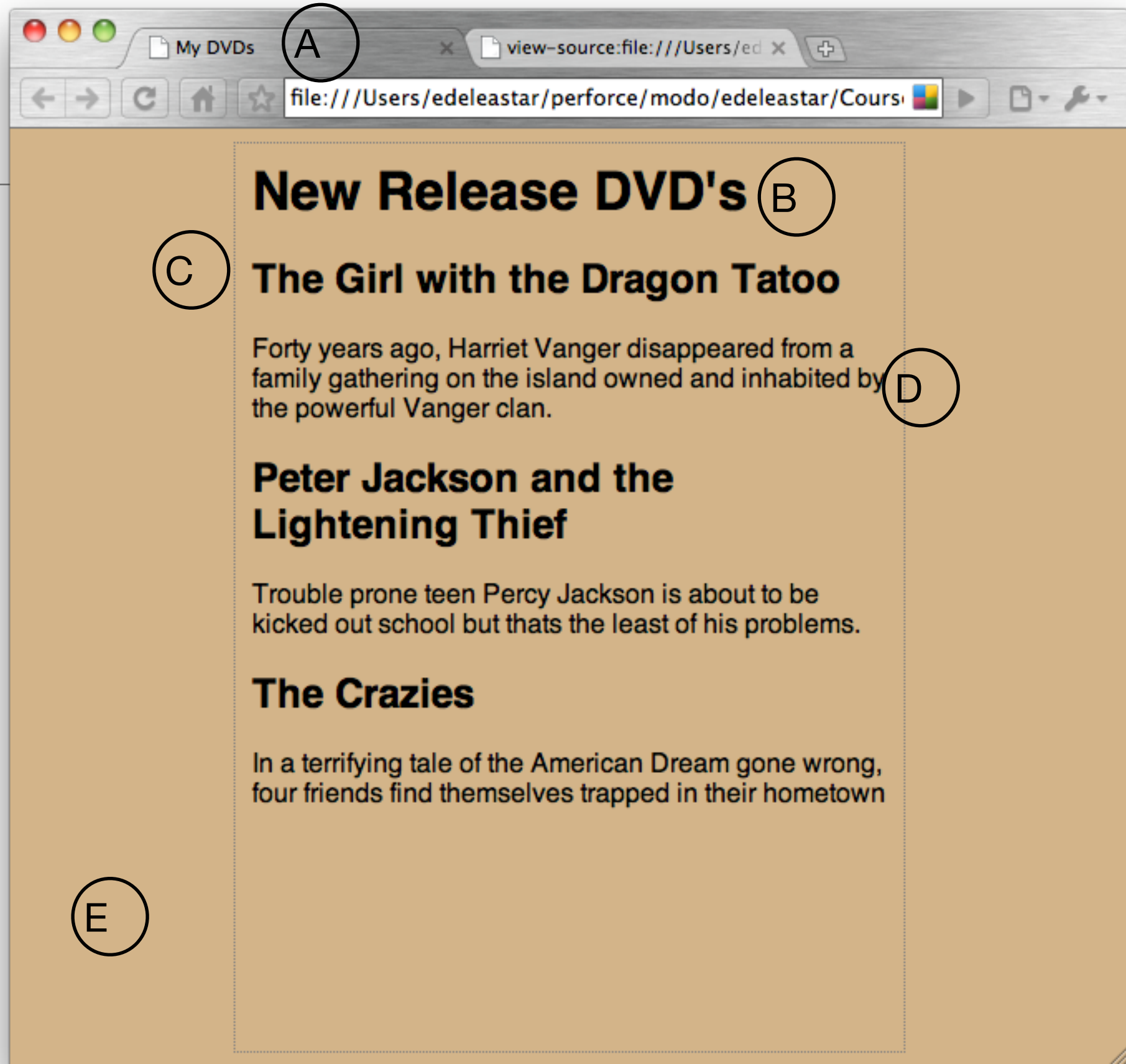- Web Servers and Web Browsers use HTTP to exchange HTML documents

Role of Server

The server's just a computer connected to the Internet waiting for requests from browsers.

Browsers make requests for HTML pages or other resources, like images

"I need the HTML file 'lounge.html'"

"Found it, here ya go"

Each server stores HTML files, pictures, sounds and other file types.

Web Server

...and if the server can locate the resource, it sends it to the browser.

Role of Client

The server "serves up" Web pages and sends them to the browser.

The browser retrieves the page...

...and the browser displays the HTML page.

Web Server

The Page

New Release DVD's (B)

The Girl with the Dragon Tatoo (C)

Forty years ago, Harriet Vanger disappeared from a family gathering on the island owned and inhabited by the powerful Vanger clan. (D)

Peter Jackson and the Lightening Thief

Trouble prone teen Percy Jackson is about to be kicked out school but thats the least of his problems.

The Crazies

In a terrifying tale of the American Dream gone wrong, four friends find themselves trapped in their hometown

```
1   <html>
2     <head>
3       <title>My DVDs</title>        (A)
4       <style type="text/css">
5         body
6         {
7           background-color: #d2b48c;
8           margin-left: 20%;          (E)
9           margin-right: 20%;
10          border: 1px dotted gray;
11          padding: 10px 10px 10px 10px;
12          font-family: sans-serif;
13        }
14      </style>
15    </head>
16    <body>                           (B)
17      <h1>New Release DVD's</h1>
18  (C) <h2>The Girl with the Dragon Tatoo</h2>
19      <p>
20        Forty years ago, Harriet Vanger disappeared from a family
21        gathering on the island owned and inhabited by the powerful Vanger clan.  (D)
22      </p>
23      <h2>Peter Jackson and the Lightening Thief</h2>
24      </p>
25        Trouble prone teen Percy Jackson is about to be kicked out school
26        but thats the least of his problems.
27      </p>
28      <h2>The Crazies</h2>
29      <p>
30        In a terrifying tale of the American Dream gone wrong,
31        four friends find themselves trapped in their hometown
32      </p>
33    </body>
34  </html>
```

Hyper Text Markup Language

- HTML tells your browser about the structure of your document:

  - where the headings are,

  - where the paragraphs are,

  - what text needs emphasis, etc

  - what text needs to linked

  - what images to be displayed

- Given this information, browsers have built-in default rules for how to display each of these elements.

- This information is conveyed using "Tags", this denote the intention of the author regarding the structure and display of the document.

HTML Tags (more correctly called Elements)

Tags for this week

<html>
<head>
<title>
<body>
<h1>
<h2>
<em>
<a>
<img>
<style>

- Grouped by purpose:
  - Structural
    - <html>, <head>, <title>, <body>
  - Text
    - Heading
      - <h1>, <h2>
    - Text
      - <p>, <em>

  - Hypertext
    - <a>
  - Image
    - <img>
  - Style
    - <style>

HTML Complete List.

```
<!--...-->              <frame>              <p>
<!doctype>              <frameset>           <param>
<a>                     <h1>                 <pre>
<abbr>                  <h2>                 <q>
<acronym>               <h3>                 <s>
<address>               <h4>                 <samp>
<applet>                <h5>                 <script>
<area>                  <h6>                 <select>
<b>                     <head>               <small>
<base>                  <hr>                 <span>
<basefont>              <html>               <strike>
<bdo>                   <i>                  <strong>
<big>                   <iframe>             <style>
<blockquote>            <img>                <sub>
<body>                  <input>              <sup>
<br>                    <ins>                <table>
<button>                <isindex>            <tbody>
<caption>               <kbd>                <td>
<center>                <label>              <textarea>
<cite>                  <legend>             <tfoot>
<code>                  <li>                 <th>
<col>                   <link>               <thead>
<colgroup>              <map>                <title>
<dd>                    <menu>               <tr>
<del>                   <meta>               <tt>
<dfn>                   <noframes>           <u>
<dir>                   <noscript>           <ul>
<div>                   <object>             <var>
<dl>                    <ol>
<dt>                    <optgroup>
<em>                    <option>
<fieldset>
<font>
<form>
```

Complete List by Purpose (1)

- **Structural**
  - body, head, html, title
- **Text**
  - abbr, acronym, address, blockquote, br, cite, code, dfn, div, em, h1, h2, h3, h4, h5, h6, kbd, p, pre, q, samp, span, strong, var
  - **Heading**
    - h1, h2, h3, h4, h5, h6
  - **Block**
    - address, blockquote, div, p, pre
  - **Inline**
    - abbr, acronym, br, cite, code, dfn, em, kbd, q, samp, span, strong, var
- **Hypertext**
  - a
- **List**
  - dl, dt, dd, ol, ul, li
- **Applet**, deprecated.
  - applet, param
- **Text Extensions**
  - **Presentation**
    - b, big, hr, i, small, sub, sup, tt
  - **Edit**
    - del, ins
  - **Bi-directional text**
    - bdo
- **Forms**
  - **Basic Forms**
    - form, input, label, select, option, textarea
  - **Forms**
    - form, input, select, option, textarea, button, fieldset, label, legend, optgroup

33

Complete List by Purpose (2)

- **Tables**
  - **Basic Tables**
    - `caption, table, td, th, tr`
  - **Tables**
    - `caption, table, td, th, tr, col, colgroup, tbody, thead, tfoot`
- **Image**
  - `img`
- **Client-side Imagemap**
  - `area, map`
- **Object**
  - `object, param`
- **Frames**
  - `frameset, frame, noframes`
- **Iframe**
  - `iframe`
- **Metainformation**
  - `meta`
- **Script**
  - `script, noscript`
- **Style**
  - `style`
- **Link**
  - `link`
- **Base**
  - `base`
- **Legacy**, deprecated.
  - `basefont, center, dir, font, isindex, menu, s, strike, u`

Moodle: edge.moodle.wit.ie

35

Setup

Instructions for working in Walton Building PC Labs:

If you are working on the workstations in the IT Building, locate the C: Drive in the Explorer. Navigate to C:\dev\eclipse\javascript folder. Run (double click on) the "Eclipse" application.

Proceed with the next step of the lab.

Instructions for working on your own laptop

Download and install the Eclipse IDE from

- http://www.eclipse.org

Select the version "Eclipse IDE for Java EE Developers". The primary prerequisite for installing Eclipse is that you have a recent Java installation on your workstation. To see if you have Java, and to install it if you do not, visit:

- http://www.java.com

Installing Eclipse is usually just a matter of unarchiving the Eclipse download. This unarchiving tool here will generally be much faster than native windows archive support:

- http://www.7zip.com

Once installed, navigate to and explore the new "eclipse" folder

Name	Date modified	Type	Size
configuration	08/09/2012 10:14	File folder	
dropins	14/06/2012 18:47	File folder	
features	08/09/2012 10:12	File folder	
p2	08/09/2012 10:12	File folder	
plugins	08/09/2012 10:13	File folder	
readme	08/09/2012 10:12	File folder	
.eclipseproduct	08/06/2012 19:23	ECLIPSEPRODUCT File	1 KB
artifacts.xml	14/06/2012 18:47	XML Document	235 KB
eclipse.exe	08/06/2012 19:59	Application	312 KB
eclipse.ini	14/06/2012 18:47	Configuration settings	1 KB
eclipsec.exe	08/06/2012 19:59	Application	24 KB
epl-v10.html	08/06/2012 19:23	Chrome HTML Document	17 KB
notice.html	08/06/2012 19:23	Chrome HTML Document	9 KB

You will notice the program "eclipse" in there - double click to launch it now. It should launch in about 30 second. At first you will see this splash screen:
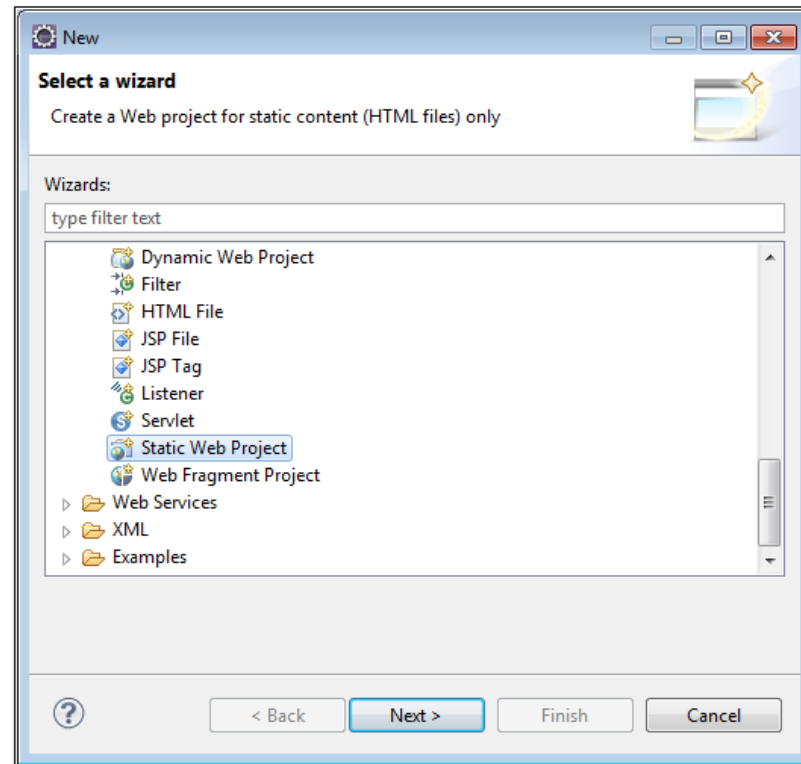

(c) Copyright Eclipse contributors and others, 2000, 2013. All rights reserved. Eclipse is a trademark of the Eclipse Foundation, Inc. Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.
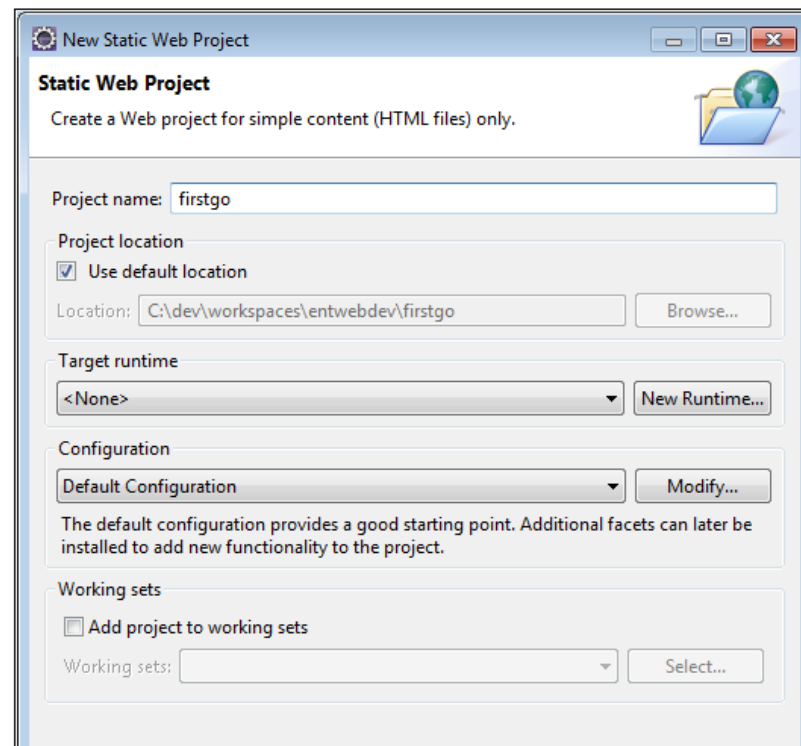
34

First Project

In Eclipse, select File->New->Other. Navigate to Web, and select "Static Web Project":
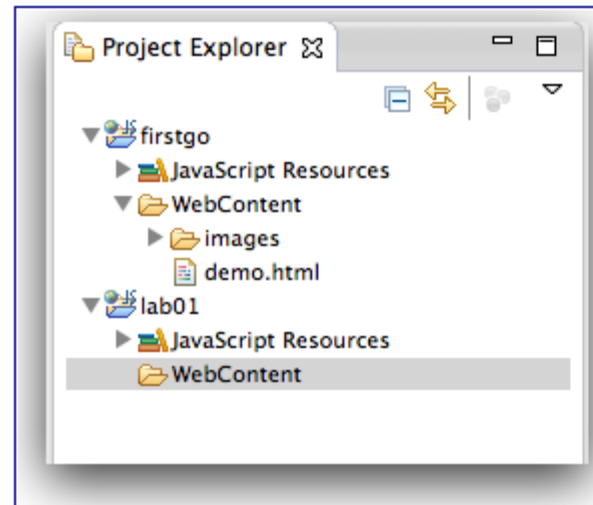

Press "Next" and then give the project a name:
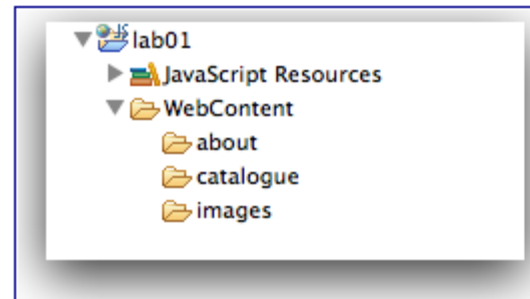
Labs Philosophy

- Learn by Doing

- *Do Exercises & Don't be afraid to experiment - **you cant break the web!***
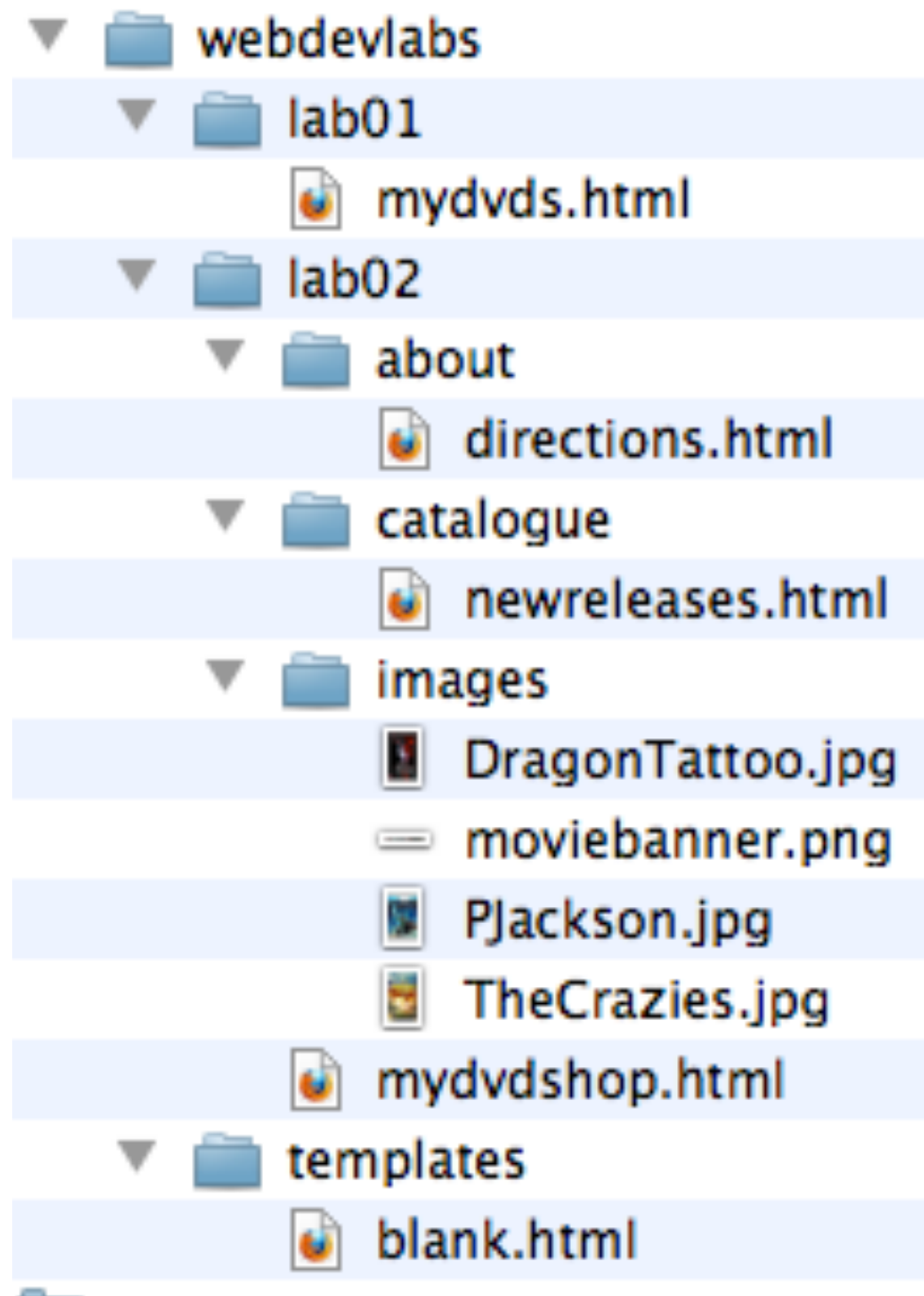
- Typical Step:
- Short motivation
- Screen shots to show outcome
- Some html to type
- More screen shots to
- show expected outcome
- Not a race! - Take your time
- 2 hours timetabled/supervised
- Reflect as you go along

5 : Lab01 Project

Create a new project called "lab01" using the same options as in the first step of this lab.

Notice that we now have two separate projects open. We will populate lab01 with some simple content to il
come folders inside the lab01 project as shown - to be called "about", "catalogue" and "images":

Here are four image files:

Objectives for Lab 01

Be able to download, install Eclipse, and understand its key features.
In particular:

- Project Explorer
- Html Editor
- Web Browser Preview
- HTML Outline
- Be able to locate the workspace folder and understand its structure
- Have created a simple static web project, and be able to manage it within the Eclipse environment

- Complete folder structure on Disk

- A simple linked web site

▼ 📁 webdevlabs
  ▼ 📁 lab01
    📄 mydvds.html
  ▼ 📁 lab02
    ▼ 📁 about
      📄 directions.html
    ▼ 📁 catalogue
      📄 newreleases.html
    ▼ 📁 images
      🖼 DragonTattoo.jpg
      🖼 moviebanner.png
      🖼 PJackson.jpg
      🖼 TheCrazies.jpg
    📄 mydvdshop.html
  ▼ 📁 templates
    📄 blank.html

File   Edit   Navigate   Search   Project   Run   Window   Help

Project Explorer

- firstgo
- lab01
  - JavaScript Resources
  - WebContent
    - about
    - catalogue
      - newreleases.html
    - images
    - index.html
    - style.css
- lab02
- lab03
- lab04
- lab04-spacebook

newreleases.html   My DVD Shop: New Releases

file://C:/Users/bmullally/Documents/web-dev-ict-2013/prj/lab01/WebContent/catalogue/newreleases.html

The Hobbit

he first in a trilogy of films based on the enduring masterpiece The Hobbit by J.R.R. T Baggins, who along with the Wizard Gandalf and 13 Dwarves, led by Thorin Oakenshield is swept into fearsome Dragon Smaug.

Argo

Based on real events, the dramatic thriller "Argo" chronicles the life-or-death covert o Iran hostage crisis, focusing on the little-known role that the CIA and Hollywood played-information tha

Skyfall

SKYFALL

The Hobbit

he first in a trilogy of films based on the enduring masterpiece The Hobbit by J.R.R. Tolkien, The Hobbit: An Unexpected Journey follows title character Bilbo Baggins, who along with the Wizard Gandalf and 13 Dwarves, led by Thorin Oakenshield is swept into an epic quest to reclaim the lost Dwarf Kingdom of Erebor from the fearsome Dragon Smaug.

Argo

Based on real events, the dramatic thriller "Argo" chronicles the life-or-death covert operation to rescue six Americans, which unfolded behind the scenes of the Iran hostage crisis, focusing on the little-known role that the CIA and Hollywood played-information that was not declassified until many years after the event.

Skyfall

Bond's loyalty to M is tested as her past comes back to haunt her. As MI6 comes under attack, 007 must track down and destroy the threat, no matter how personal the cost.

Back to the Shop

Welcome to the New and Improved DVD Shop

MARCH MADNESS

MIX & MATCH:
2 CDs OR DVDs
FOR €12 OR 3 FOR €17

We have the biggest selection of DVDs and Games in Ireland. Check out our underline new releases, This week we reccomend *the Hobbit*.

Directions

You'll find us right in the center of downtown Webville. If you need help finding us, check out our detailed directions. Come join us!

Directions

Take the 305 S exit to Webville - go 0.4 mi

Continue on 305 - go 12 mi

Turn right at Structure Ave N - go 0.6 mi

Turn right and head toward Structure Ave N - go 0.0 mi

Turn right at Structure Ave N - go 0.7 mi

Continue on Stucture Ave S - go 0.2 mi

Turn right at SW Presentation Way - go 0.0 mi

Back to the Shop

My DVD Shop Directions ✕   view-source:file:///Users ✕   view-source:file:///Users ✕   view-source:file:///Users ✕   +

view-source:file:///Users/edeleastar/perforce/modo/edeleastar/CourseWare/2010/webdevel...
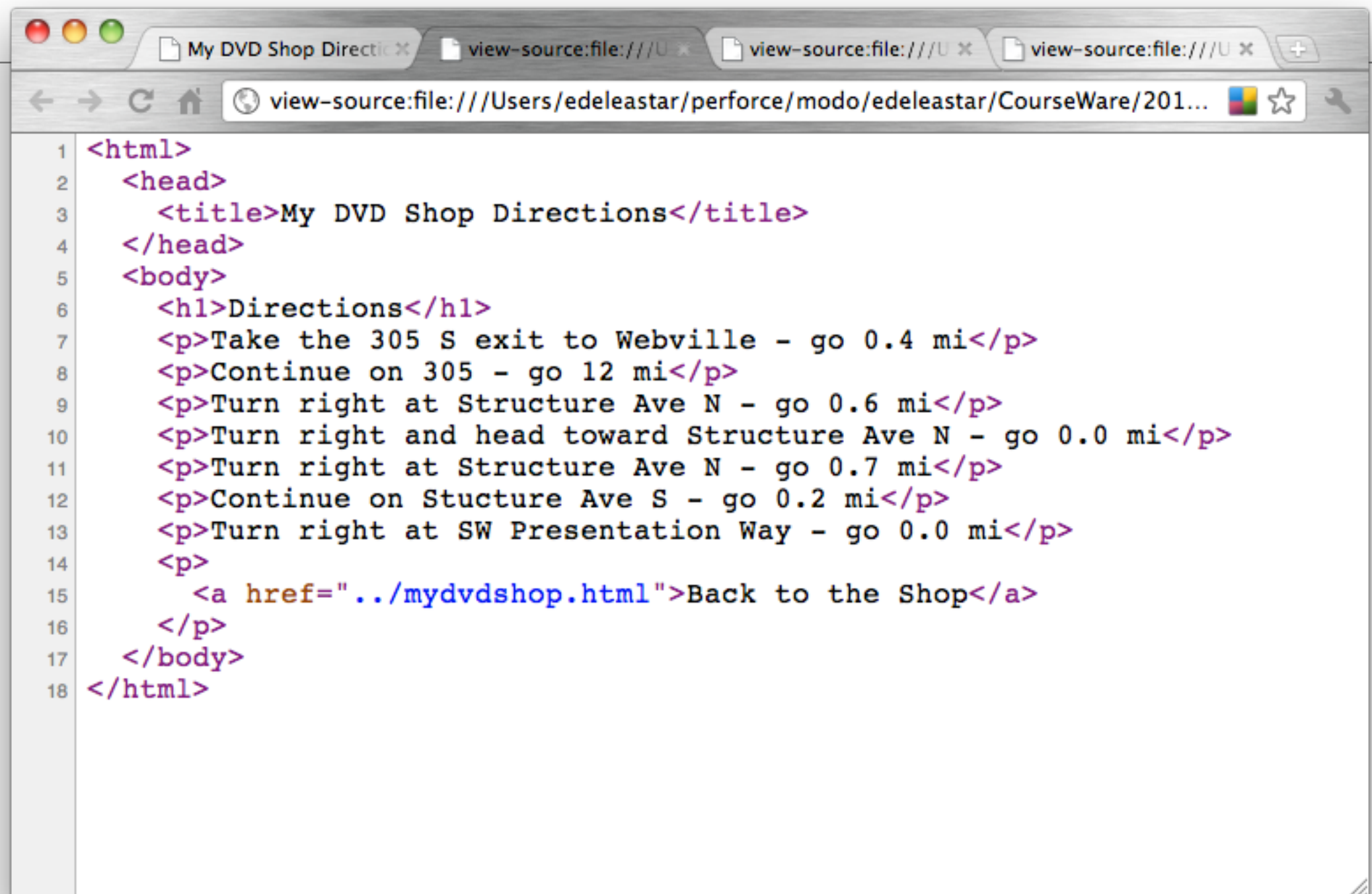
```
1   <html>
2     <head>
3       <title>My DVD Shop</title>
4     </head>
5     <body>
6       <h1>Welcome to the New and Improved DVD Shop</h1>
7       <img src="images/moviebanner.png">
8       <p>
9         We have the biggest selection of DVDs and Games in Ireland.
10        Check out our <a href="catalogue/newreleases.html">new releases</a>,
11        This week we reccomend <em>the Crazies</em>.
12      </p>
13      <h2>Directions</h2>
14      <p>
15        You'll find us right in the center
16        of downtown Webville. If you need help finding
17        us, check out our
18        <a href="about/directions.html">detailed directions</a>.
19        Come join us!
20      </p>
21    </body>
22  </html>
```

45

view-source:file:///Users/ed

view-source:file:///Users/ed

view-source:file:///Users/edeleastar/perforce/modo/edeleastar/CourseWare/2010/webdevel...

```html
1  <html>
2    <head>
3      <title> My DVD Shop: New Releases </title>
4    </head>
5    <body>
6      <h2>The Girl with the Dragon Tatoo</h2>
7      <p>
8        <img src="../images/DragonTattoo.jpg">
9        Forty years ago, Harriet Vanger disappeared from a family
10       gathering on the island owned and inhabited by the powerful Vanger clan.
11     </p>
12     <h2>Peter Jackson and the Lightening Thief</h2>
13     </p>
14       <img src="../images/PJackson.jpg">
15       Trouble prone teen Percy Jackson is about to be kicked out school
16       but thats the least of his problems.
17     </p>
18     <h2>The Crazies</h2>
19     <p>
20       <img src="../images/TheCrazies.jpg">
21       In a terrifying tale of the American Dream gone wrong,
22       four friends find themselves trapped in their hometown
23     </p>
24     <p>
25       <a href="../mydvdshop.html">Back to the Shop</a>
26     </p>
27   </body>
28 </html>
```

Text

46

My DVD Shop Directic ✕   view-source:file:///U ✕   view-source:file:///U ✕   view-source:file:///U ✕

view-source:file:///Users/edeleastar/perforce/modo/edeleastar/CourseWare/201...

```
 1  <html>
 2    <head>
 3      <title>My DVD Shop Directions</title>
 4    </head>
 5    <body>
 6      <h1>Directions</h1>
 7      <p>Take the 305 S exit to Webville - go 0.4 mi</p>
 8      <p>Continue on 305 - go 12 mi</p>
 9      <p>Turn right at Structure Ave N - go 0.6 mi</p>
10      <p>Turn right and head toward Structure Ave N - go 0.0 mi</p>
11      <p>Turn right at Structure Ave N - go 0.7 mi</p>
12      <p>Continue on Stucture Ave S - go 0.2 mi</p>
13      <p>Turn right at SW Presentation Way - go 0.0 mi</p>
14      <p>
15        <a href="../mydvdshop.html">Back to the Shop</a>
16      </p>
17    </body>
18  </html>
```
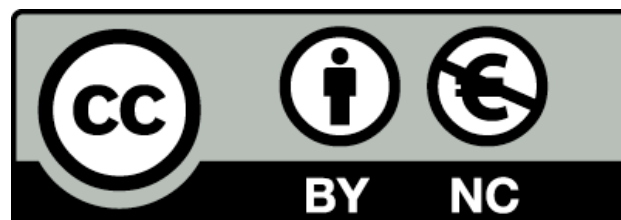
Text

- Good Luck!

Waterford Institute *of* Technology
INSTITIÚID TEICNEOLAÍOCHTA PHORT LÁIRGE

eLearning
support unit