

HTML



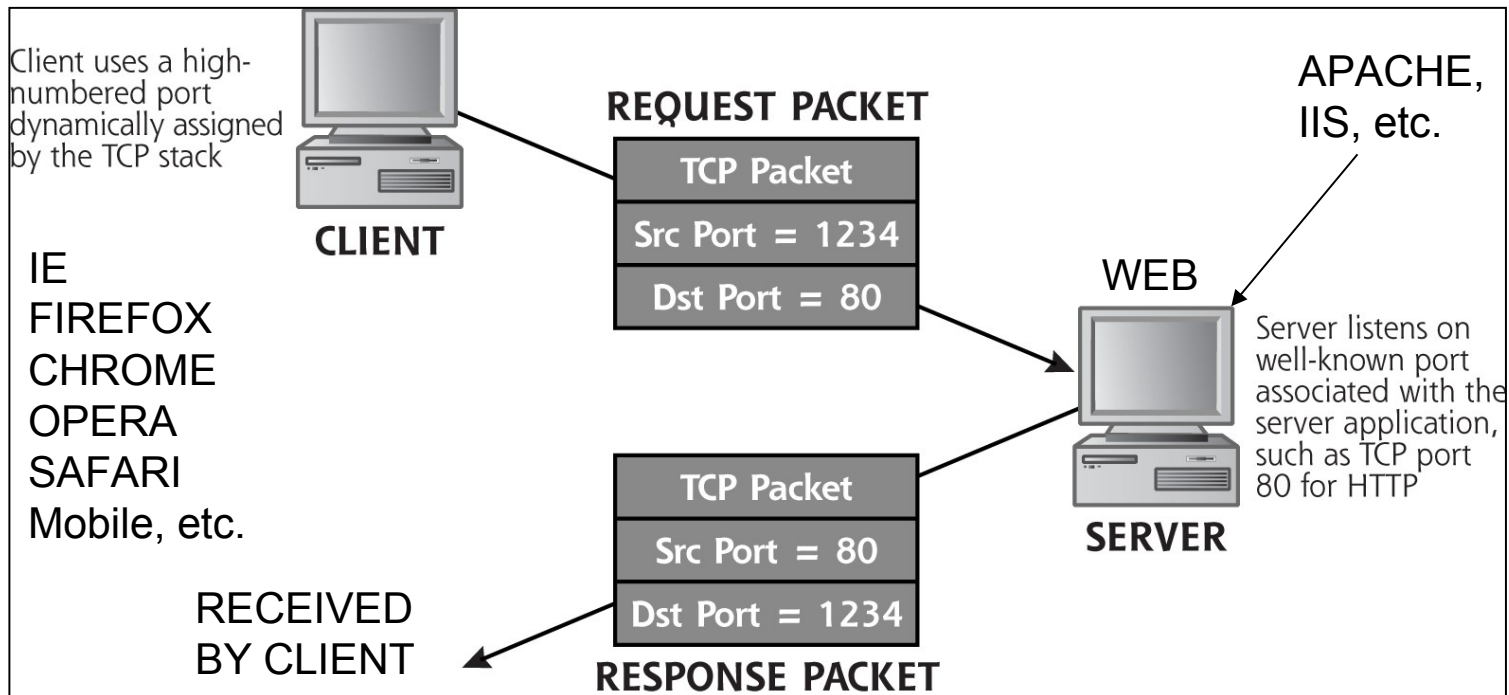
What is a web site?

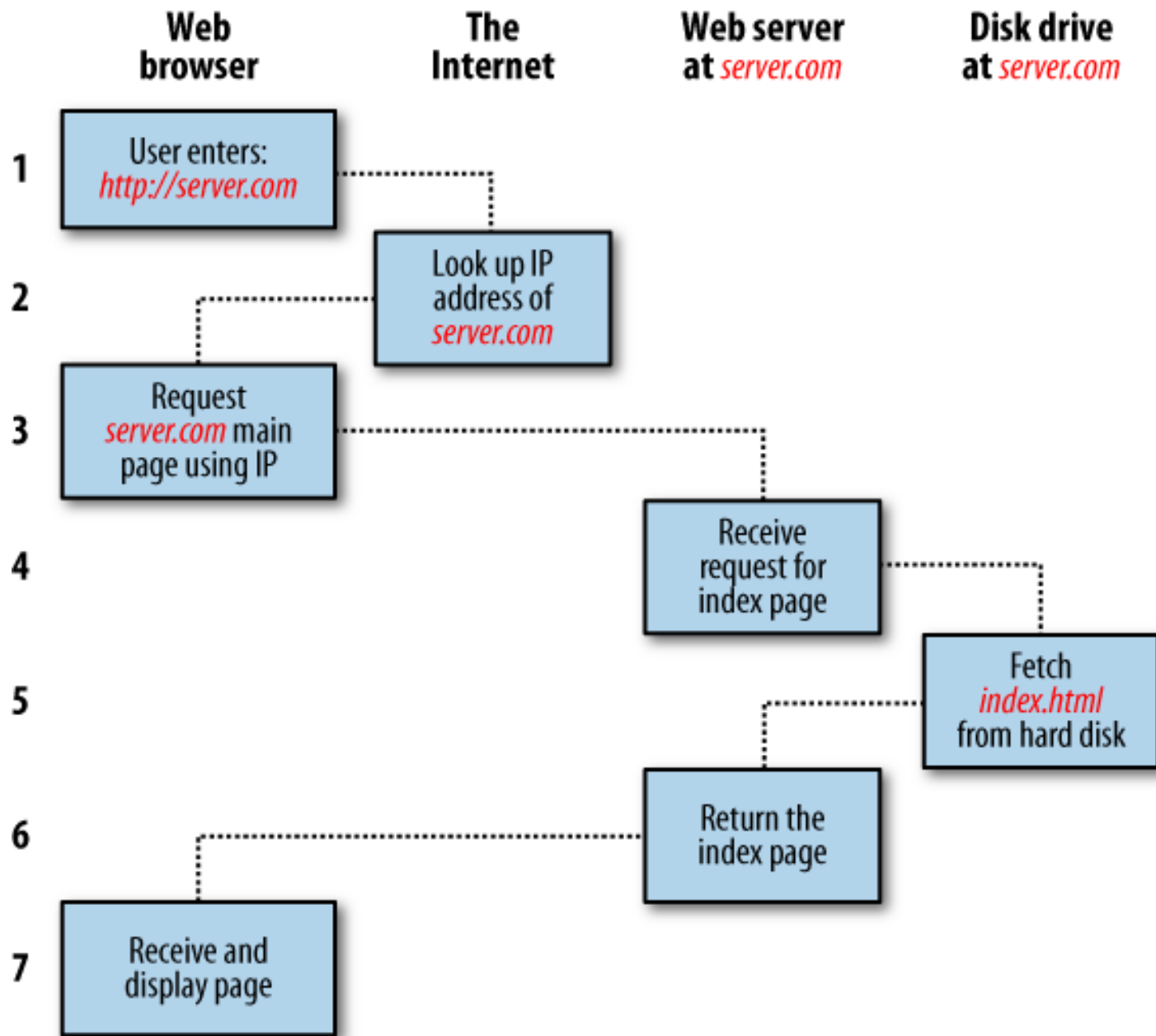
HTML editors

Introduction to HTML (Hyper Text Markup Language)

What is a website 1?

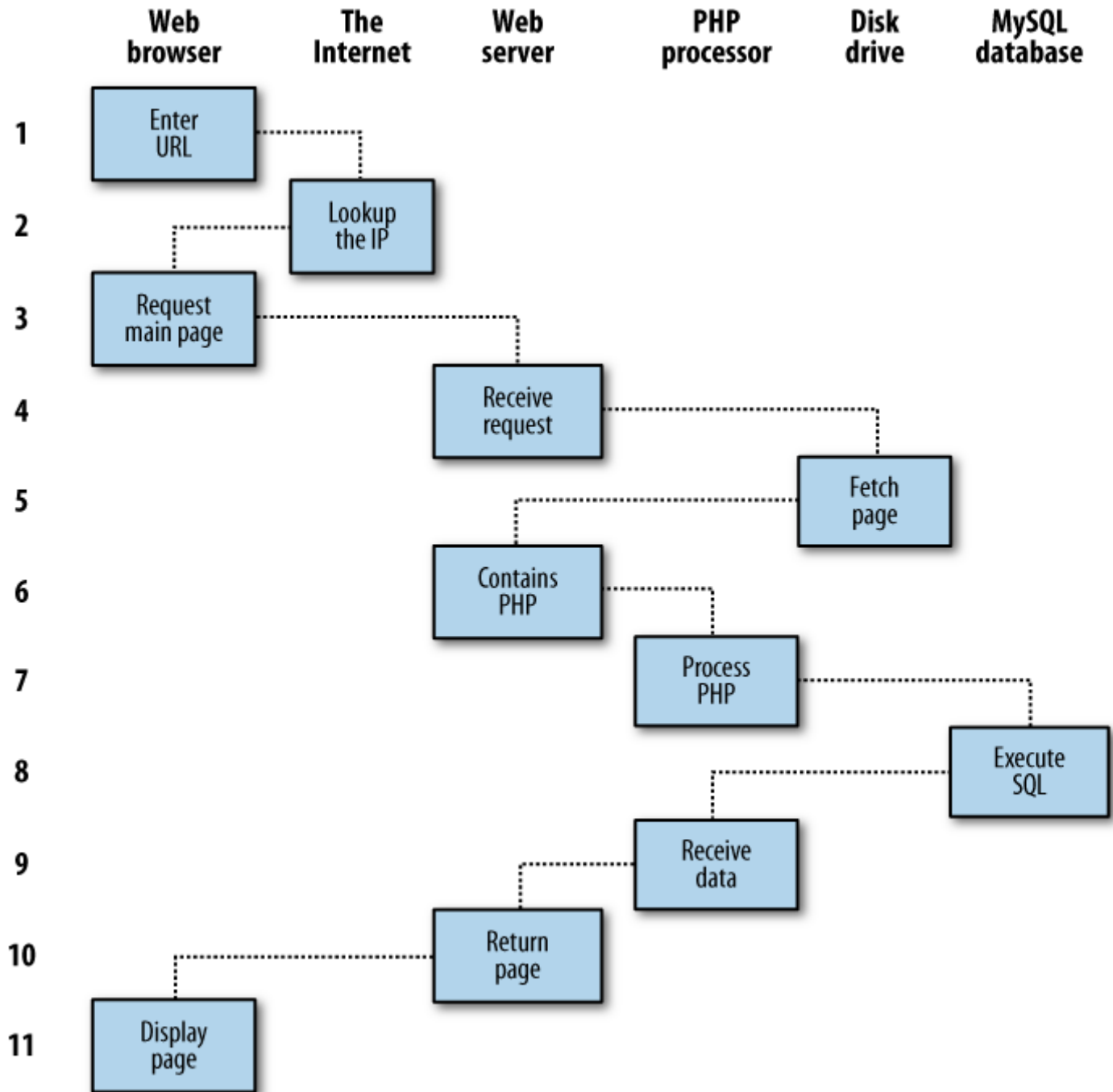
- A website is a collection of web pages containing text and other information, such as images, sound and video files, that are made available on the World Wide Web through the use of a web server
- A web page is a single page of text, images, sound, video, etc, that is built using HTML tags
- It has a URL: e.g. <http://www.google.com/>





Websites

- Static web sites
 - Content is static in a separate files
 - Dynamic web sites
 - Content is dynamic using databases and programming allowing visitors to interact
 - Layout and formatting (appearance)
 - CSS - Cascading Style Sheets
 - Free web services
 - MySpace, FaceBook, Google+, WordPress, Blogger, Flickr, YouTube, Twitter, Google Docs etc.
 - CMS (Content Management Systems)
 - Allows to create pages directly online in a automated way
 - "Word processor" documents to web site
 - Built-in, will usually create a bad web page
 - Use a specific conversion application instead
- Click to
Convert
Tool



What is a website 2?

- HTML (Hypertext Markup Language)
 - Created by Tim Berners-Lee in 1993 from SGML
- Web server and web server software
 - Domain name registrars and DNS
 - Point to free web services as (Facebook, Blogger etc.)
 - Point to rented space – hosting
 - Shared hosting, dedicated server or a virtual server?
- Web Content
 - Use open source CMS as Joomla, Drupal or WordPress
 - Use a WYSIWYG (What You See Is What You Get) CMS-tool which usually is commercial – Adobe Dreamweaver
 - Create the site content yourself. HTML > CSS > JS/PHP > MySQL > dynamic web 2.0 online application
- Editors to produce your content and software to upload your files
 - Filezilla FTP for uploading – web editors is a jungle!

* editors and other stuff

- Professional
 - Adobe Dreamweaver, Microsoft Expression Web/Visual Studio
- WYSIWYG or just an text editor?
- Dedicated or multi capable?
- Finding the Perfect Web Editor
 - http://webdesign.about.com/od/htmleditors/a/find_great_edit.htm
- Comparison of HTML editors
 - http://en.wikipedia.org/wiki/Comparison_of_HTML_editors
 - Content is dynamic using databases and programming allowing visitors to interact
- Examples
 - Notepad++, Eclipse with plugins, nVu, Amaya, Kompozer, CodeLobster, HTML-Kit, NetBeans ... a very long long list...
- Things to remember regarding your web server
 - Stats, mail, logs, security, databases, services, ..., ...

What is HTML 1

- HTML is **text file** containing XML-like markup tags

- Follows published standards via: <http://www.w3.org/>



- The markup tags tell the built in parser in the web browser how to structure and display the page text

- For example put a text in a bold font

- HTML tags are not case sensitive

```
<b>I am bold now!</b>
```

- The tags should have quoted **attributes**

```
<p class="thesis" style="color: red">
```

- Tags usually come in pairs (with some exceptions)

- `<html>...</html>`, `<body>...</body>`, `<p>...</p>`, `<hr>`, `
`

- The only thing you need to create HTML is a text editor!

- Web pages are free-form input; line breaks can be used most anywhere and don't affect the appearance of the document

- Your entire page could be a single line of text!

What is HTML 2

- When you write the HTML markup language you need to follow the rules – called syntax
- **Elements** define the structure of the document
 - head, body, p, ul, ...
- When you insert these elements in your text with < and > surrounding them they are called **tags**
 - <head>, <body>, <p>, , <...>
- The web browser parses the markup (the tags) to know where things start and stop in order to be able to render and display the page
- **</"element name">** or **</>** ends a tag which may be nested

```
<!doctype html>
<html>
<head>
<title>My first web page</title>
</head>
<body>
<p>This is my first web page.</p>
<br />
<b><i>This text is in
    bold italic!</i></b>
</body>
</html>
```

An exercise:

Validate html code

HTML dog

W3schools