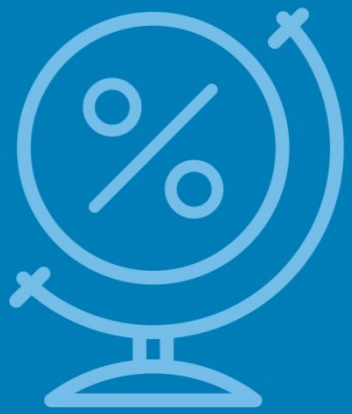
SoftServe

Empowering your Business through Software Development



Introduction to the course. Managing the Application Life Cycle

Vyacheslav Koldovskyy

Last update: 16th May, 2016

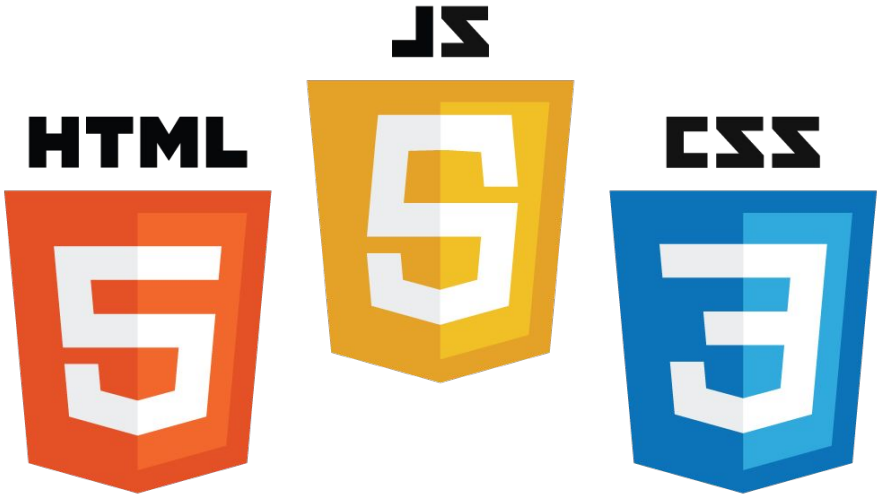
Agenda

- Introduction to the Course
- Tools
- Resources
- Practice task

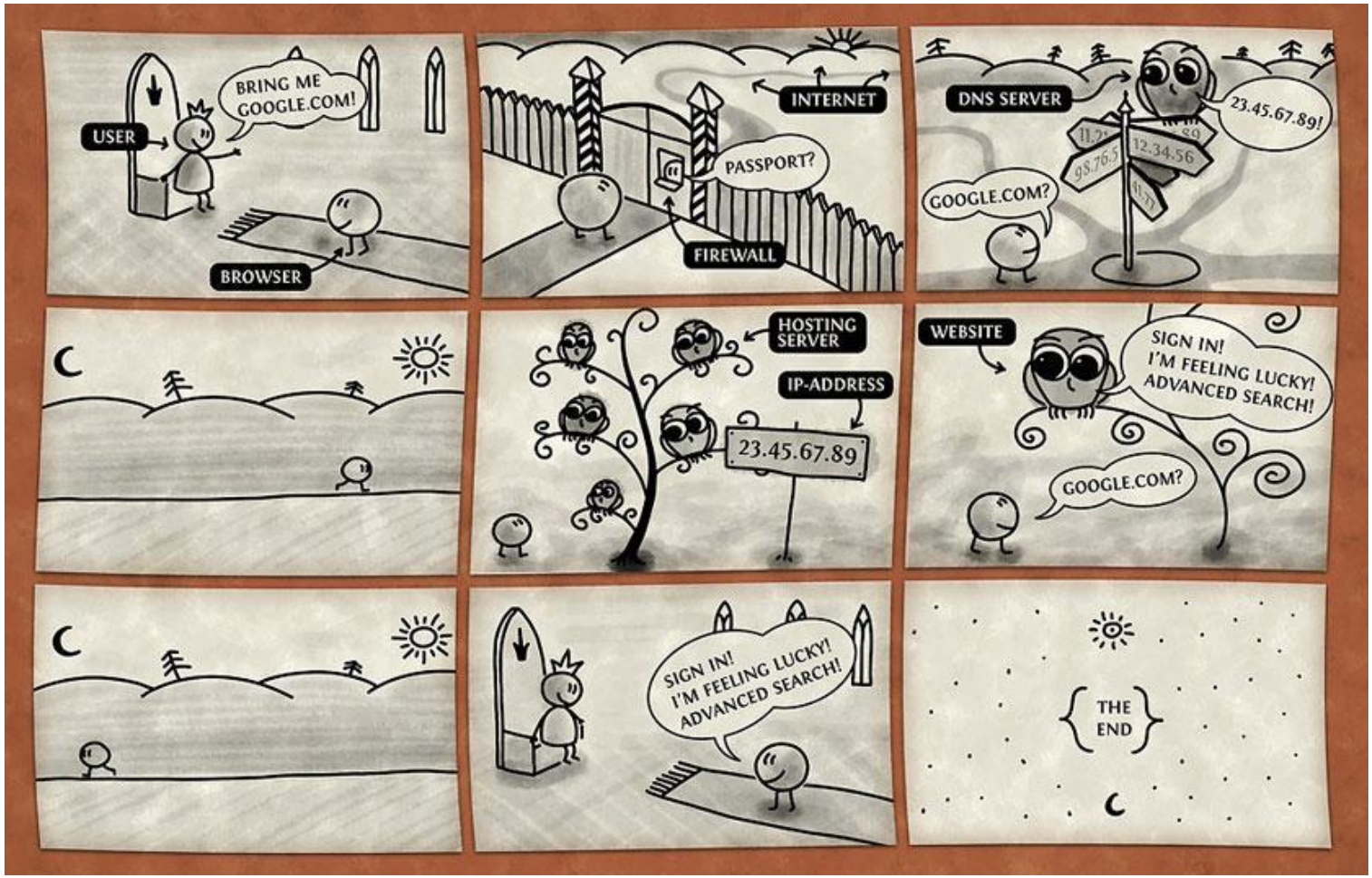
Introduction to the Course

HTML/CSS/JavaScript

- HTML – Hypertext Markup Language
- CSS – Cascading Style Sheets
- JavaScript – Programming Language

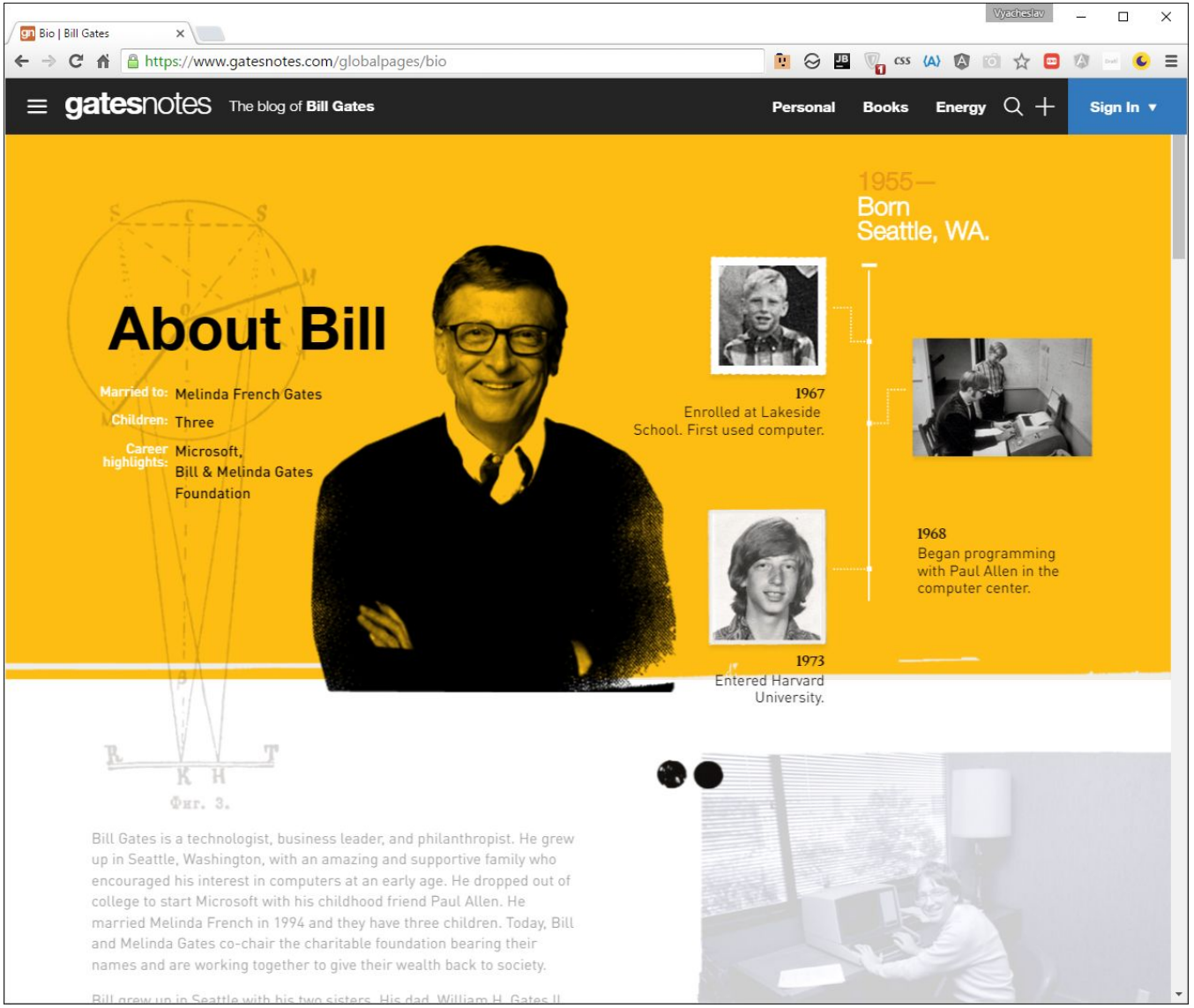


How do browsers work



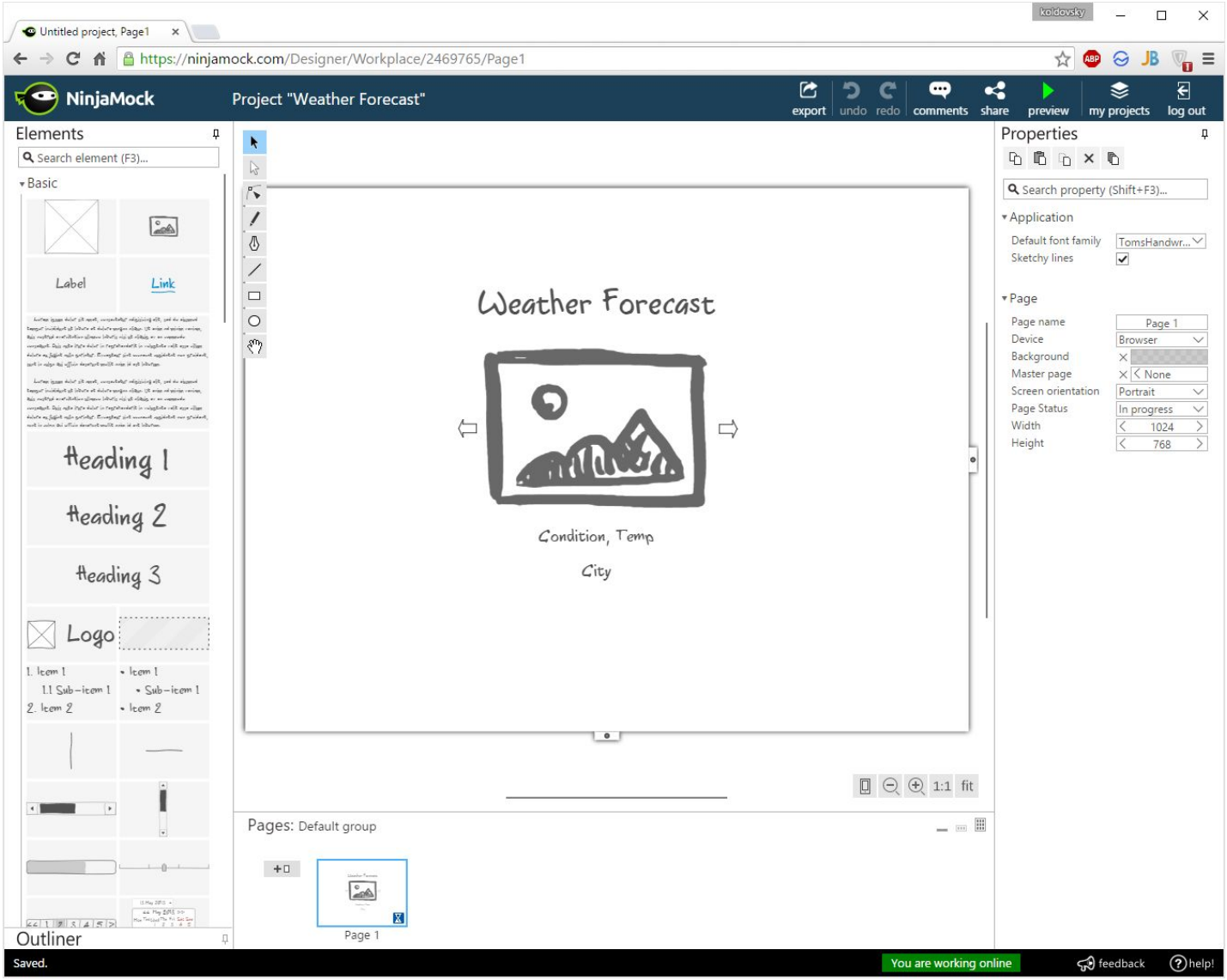
Detailed article: http://www.html5rocks.com/ru/tutorials/internals/howbrowserswork/

Project – Personal Website

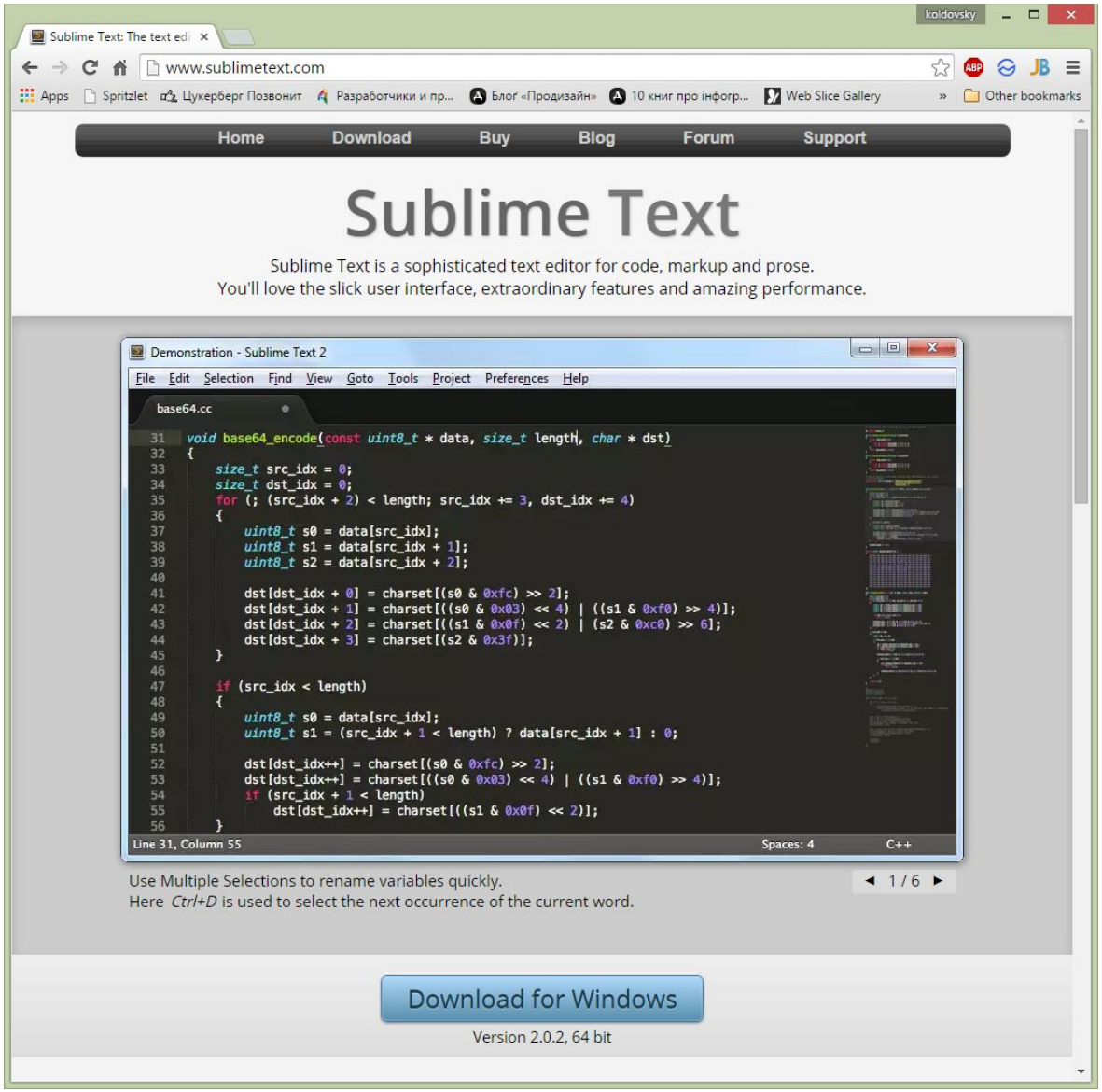


Tools

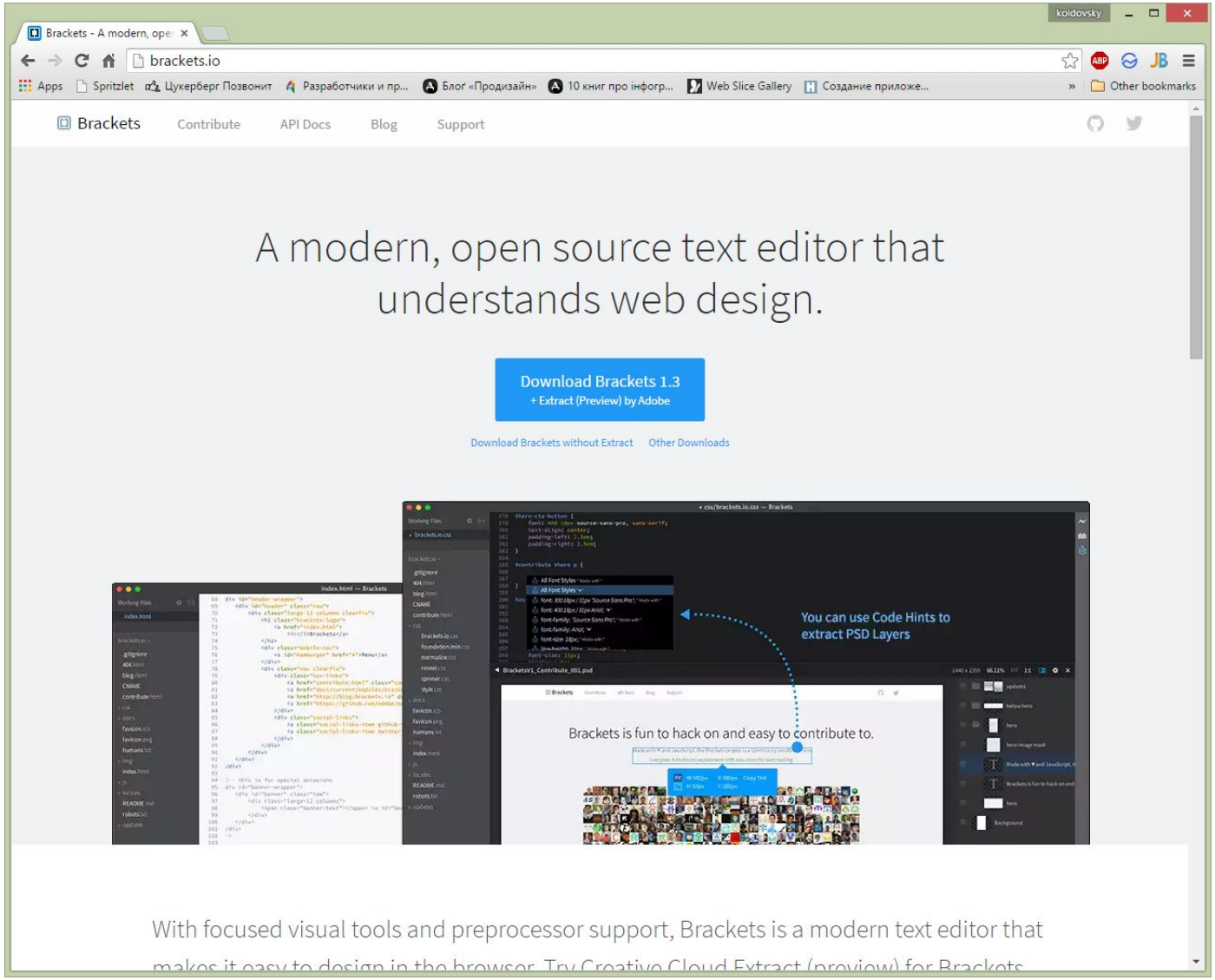
Mockups – NinjaMock



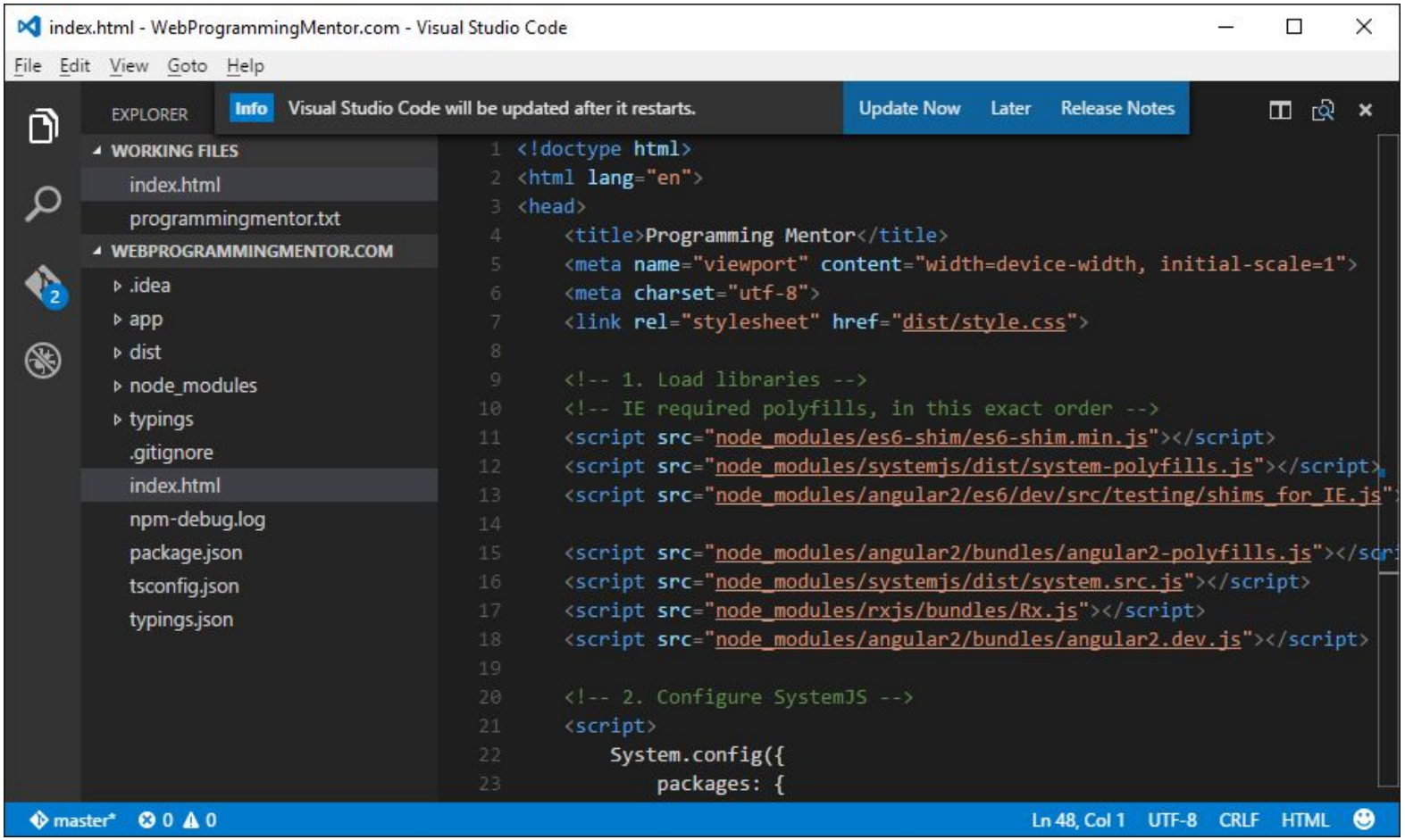
Sublime Text



Brackets

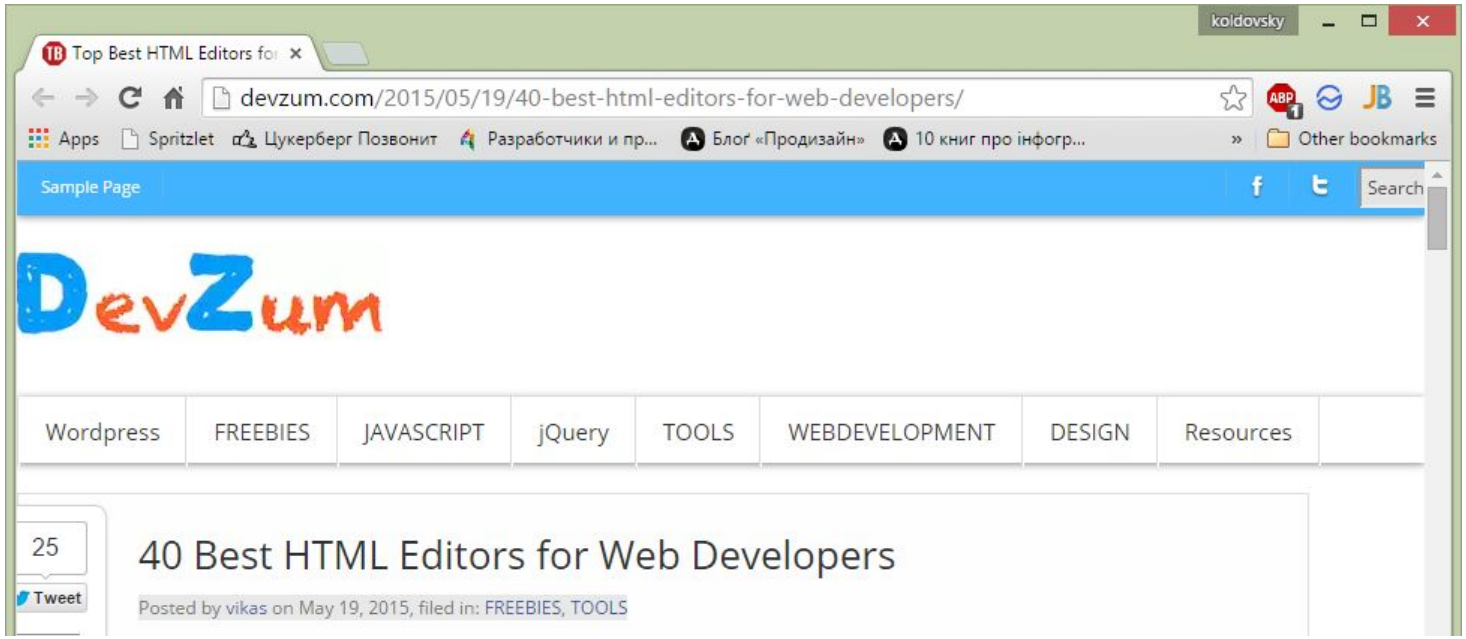

Brackets - A modern, open
brackets.io
Brackets
Contribute
API Docs
Blog
Support
A modern, open source text editor that understands web design.
Download Brackets 1.3
+ Extract (Preview) by Adobe
Download Brackets without Extract
Other Downloads
You can use Code Hints to extract PSD Layers
Brackets is fun to hack on and easy to contribute to.
With focused visual tools and preprocessor support, Brackets is a modern text editor that

MS Visual Studio Code

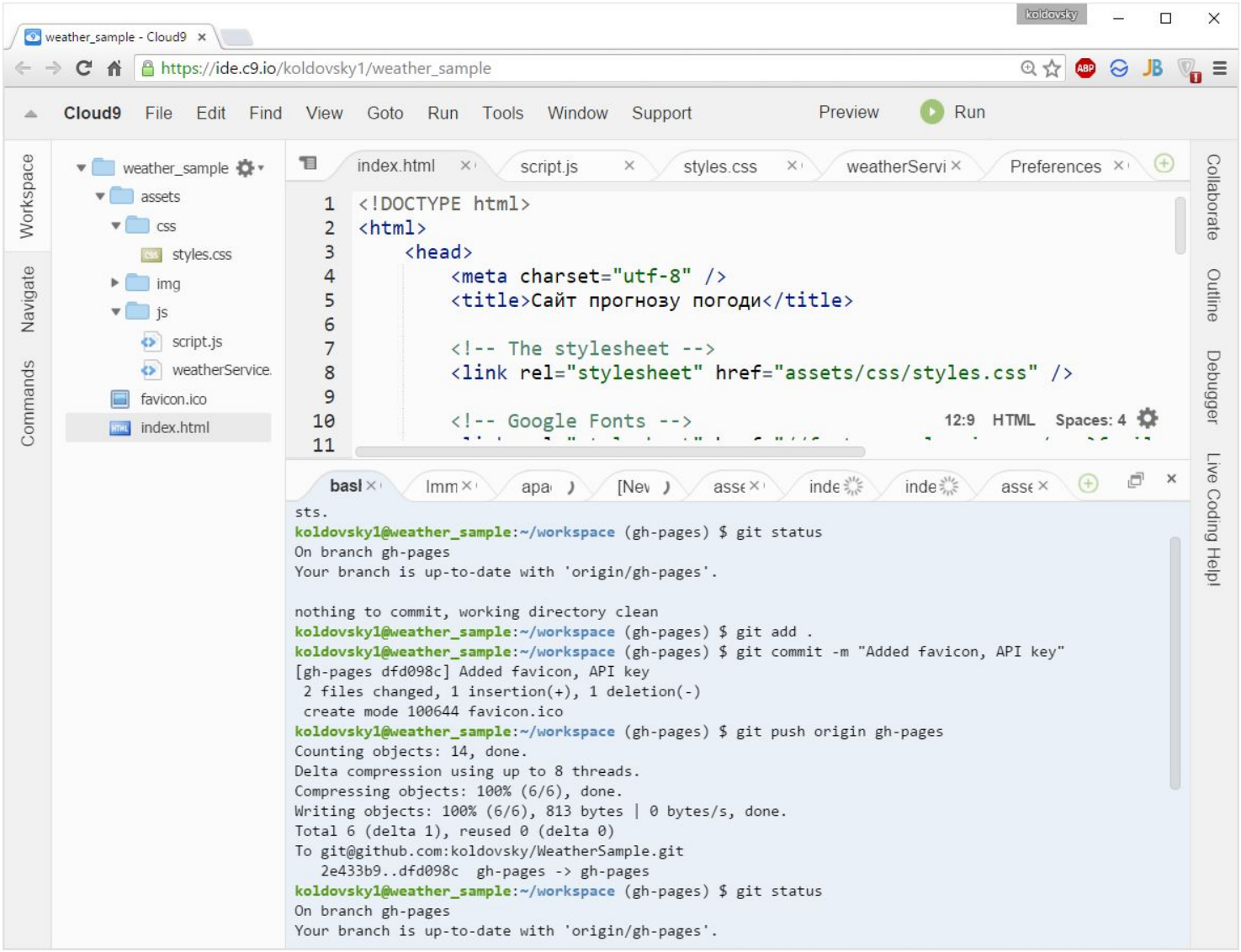


And more…

- 40 Best HTML Editors for Web Developers: http://devzum.com/2015/05/19/40-best-html-editors-for-web-developers/



Cloud 9


weather_sample - Cloud9
https://ide.c9.io/koldovsky1/weather_sample
Cloud9 File Edit Find View Goto Run Tools Window Support Preview Run
Workspace
Navigate
Commands
weather_sample
assets
css
styles.css
img
js
script.js
weatherService.
favicon.ico
index.html
index.html
script.js
styles.css
weatherServi
Preferences
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8" />
5 <title>Сайт прогнозу погоди</title>
6
7 <!-- The stylesheet -->
8 <link rel="stylesheet" href="assets/css/styles.css" />
9
10 <!-- Google Fonts -->
11
12:9 HTML Spaces: 4
Collaborate
Outline
Debugger
Live Coding Help!
basl
sts.
koldovsky1@weather_sample:~/workspace (gh-pages) $ git status
On branch gh-pages
Your branch is up-to-date with 'origin/gh-pages'.
nothing to commit, working directory clean
koldovsky1@weather_sample:~/workspace (gh-pages) $ git add .
koldovsky1@weather_sample:~/workspace (gh-pages) $ git commit -m "Added favicon, API key"
[gh-pages dfd098c] Added favicon, API key
2 files changed, 1 insertion(+), 1 deletion(-)
create mode 100644 favicon.ico
koldovsky1@weather_sample:~/workspace (gh-pages) $ git push origin gh-pages
Counting objects: 14, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 813 bytes | 0 bytes/s, done.
Total 6 (delta 1), reused 0 (delta 0)
To git@github.com:koldovsky/WeatherSample.git
2e433b9..dfd098c gh-pages -> gh-pages
koldovsky1@weather_sample:~/workspace (gh-pages) $ git status
On branch gh-pages
Your branch is up-to-date with 'origin/gh-pages'.

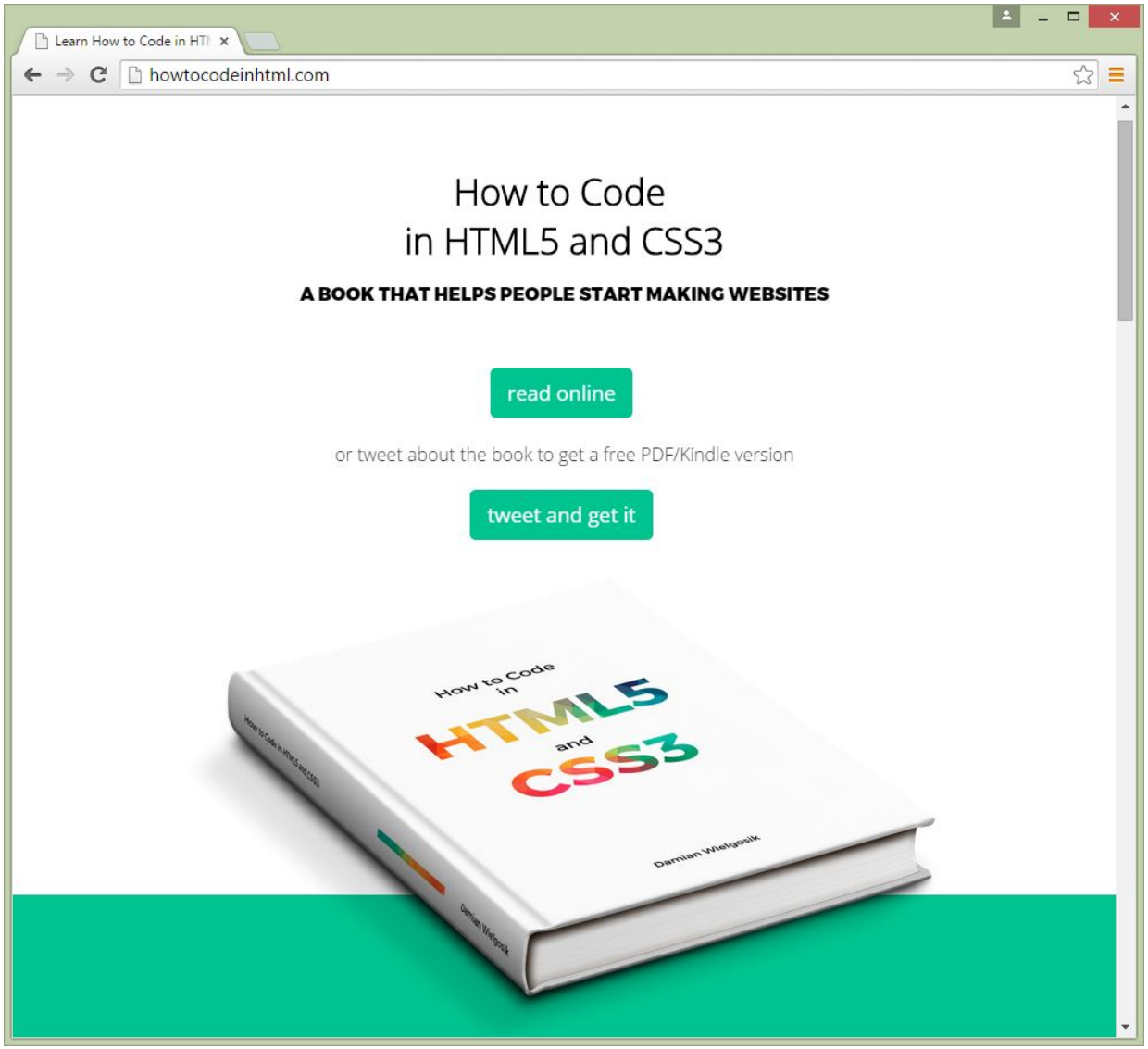
Validators

Validators help to check your work

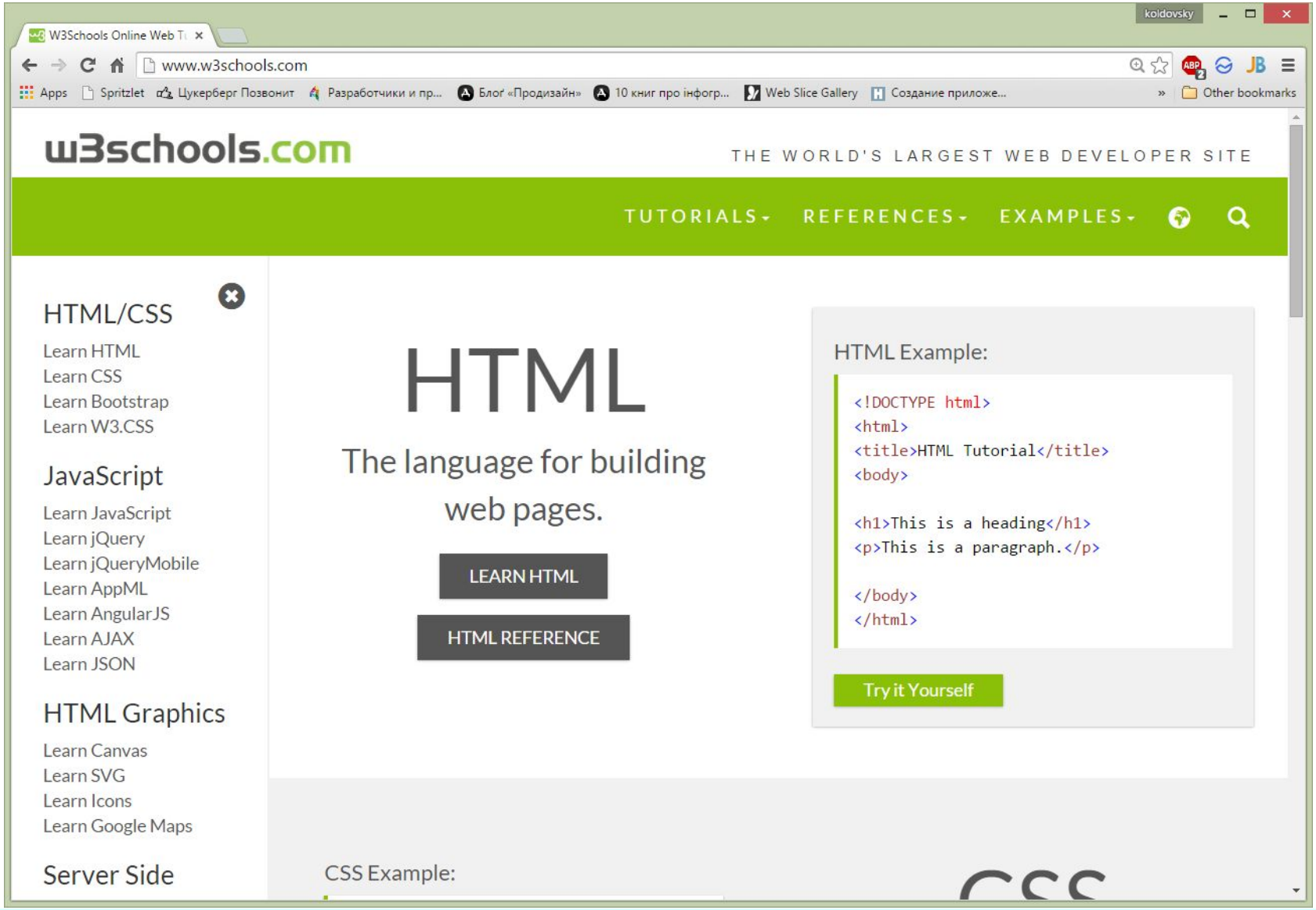
- HTML validator: http://validator.w3.org
- CSS validator: http://jigsaw.w3.org/css-validator

Resources

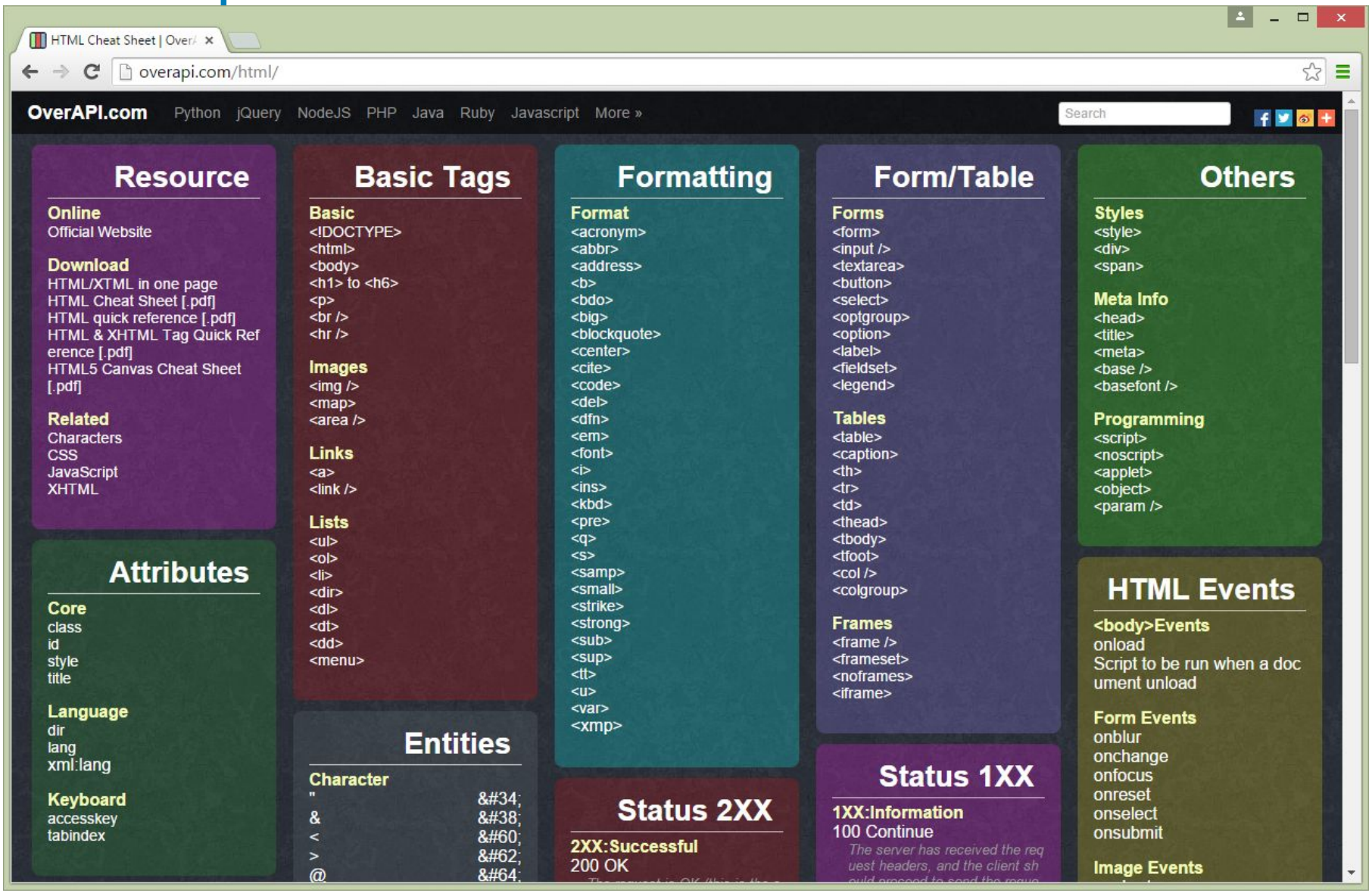
http://howtocodeinhtml.com



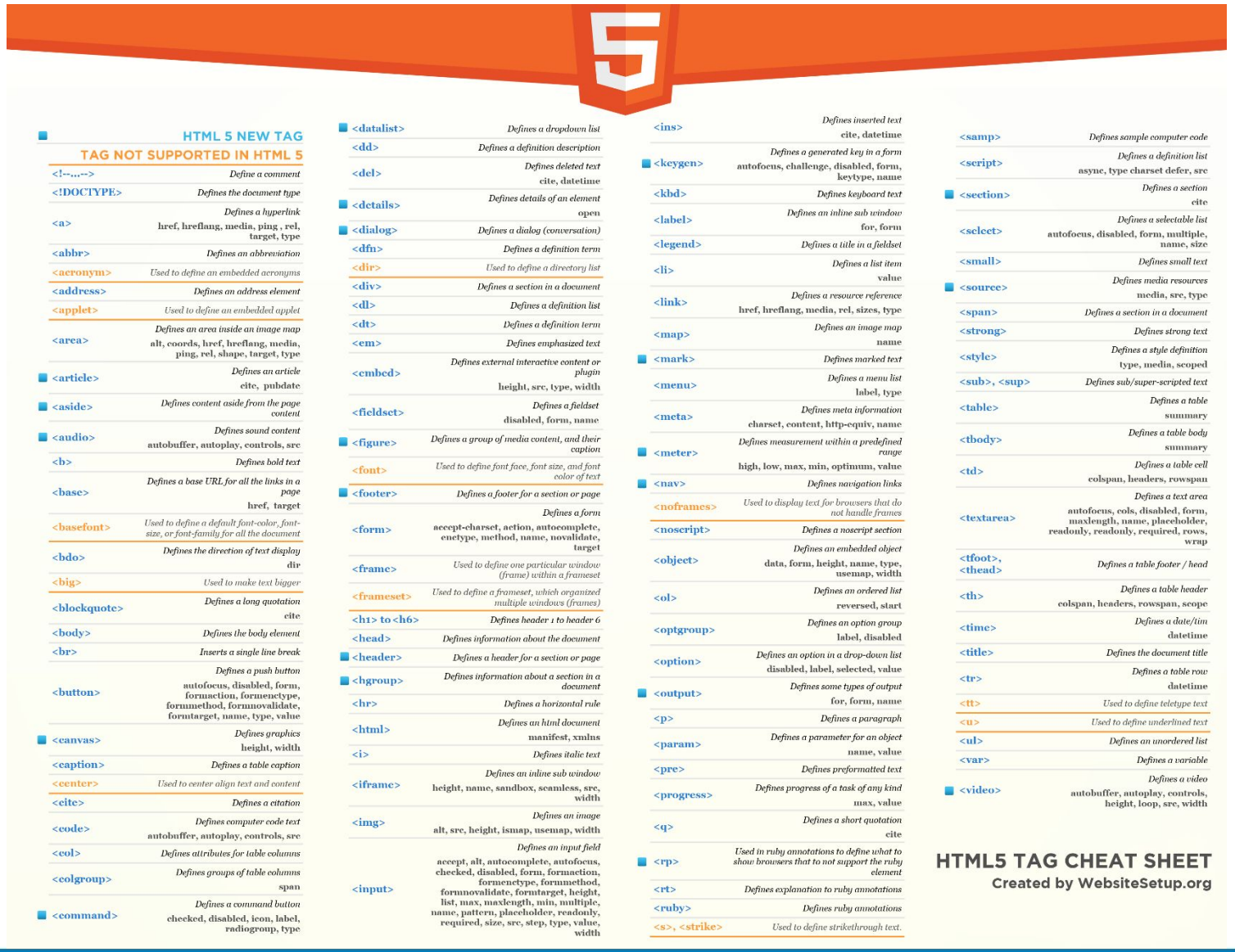
http://w3schools.com



overapi.com/html



websitesetup.org/html5-cheat-sheet/



HTML 5 NEW TAG

TAG NOT SUPPORTED IN HTML 5

<!--...-->	Define a comment
<!DOCTYPE>	Defines the document type
<a>	Defines a hyperlink href, hreflang, media, ping , rel, target, type
<abbr>	Defines an abbreviation
<acronym>	Used to define an embedded acronyms
<address>	Defines an address element
<applet>	Used to define an embedded applet
<area>	Defines an area inside an image map alt, coords, href, hreflang, media, ping, rel, shape, target, type
<article>	Defines an article cite, pubdate
<aside>	Defines content aside from the page content
<audio>	Defines sound content autobuffer, autoplay, controls, src
<b>	Defines bold text
<base>	Defines a base URL for all the links in a page href, target
<basefont>	Used to define a default font-color, font-size, or font-family for all the document
<bdo>	Defines the direction of text display dir
<big>	Used to make text bigger
<blockquote>	Defines a long quotation cite
<body>	Defines the body element
 	Inserts a single line break
<button>	Defines a push button autofocus, disabled, form, formaction, formenctype, formmethod, formnovalidate, formtarget, name, type, value
<canvas>	Defines graphics height, width
<caption>	Defines a table caption
	Used to center align text and content
<cite>	Defines a citation
<code>	Defines computer code text autobuffer, autoplay, controls, src
<col>	Defines attributes for table columns
<colgroup>	Defines groups of table columns span
<command>	Defines a command button checked, disabled, icon, label, radiogroup, type
<datalist>	Defines a dropdown list
<dd>	Defines a definition description
<del>	Defines deleted text cite, datetime
<details>	Defines details of an element open
<dialog>	Defines a dialog (conversation)
<dfn>	Defines a definition term
<dir>	Used to define a directory list
	Defines a section in a document
<dl>	Defines a definition list
<dt>	Defines a definition term
	Defines emphasized text
<embed>	Defines external interactive content or plugin height, src, type, width
<fieldset>	Defines a fieldset disabled, form, name
<figure>	Defines a group of media content, and their caption
<font>	Used to define font face, font size, and font color of text
<footer>	Defines a footer for a section or page
<form>	Defines a form accept-charset, action, autocomplete, enctype, method, name, novalidate, target
<frame>	Used to define one particular window (frame) within a frameset
<frameset>	Used to define a frameset, which organized multiple windows (frames)
<h1> to <h6>	Defines header 1 to header 6
<head>	Defines information about the document
<header>	Defines a header for a section or page
<hgroup>	Defines information about a section in a document
<hr>	Defines a horizontal rule
<html>	Defines an html document manifest, xmlns
<i>	Defines italic text
<iframe>	Defines an inline sub window height, name, sandbox, seamless, src, width
<img>	Defines an image alt, src, height, ismap, usemap, width
<input>	Defines an input field accept, alt, autocomplete, autofocus, checked, disabled, form, formaction, formenctype, formmethod, formnovalidate, formtarget, height, list, max, maxlength, min, multiple, name, pattern, placeholder, readonly, required, size, src, step, type, value, width
<ins>	Defines inserted text cite, datetime
<keygen>	Defines a generated key in a form autofocus, challenge, disabled, form, keytype, name
<kbd>	Defines keyboard text
<label>	Defines an inline sub window for, form
<legend>	Defines a title in a fieldset
	Defines a list item value
<link>	Defines a resource reference href, hreflang, media, rel, sizes, type
<map>	Defines an image map name
<mark>	Defines marked text
<menu>	Defines a menu list label, type
<meta>	Defines meta information charset, content, http-equiv, name
<meter>	Defines measurement within a predefined range high, low, max, min, optimum, value
<nav>	Defines navigation links
<noframes>	Used to display text for browsers that do not handle frames
<noscript>	Defines a noscript section
<object>	Defines an embedded object data, form, height, name, type, usemap, width
	Defines an ordered list reversed, start
<optgroup>	Defines an option group label, disabled
<option>	Defines an option in a drop-down list disabled, label, selected, value
<output>	Defines some types of output for, form, name
<p>	Defines a paragraph
<param>	Defines a parameter for an object name, value
<pre>	Defines preformatted text
<progress>	Defines progress of a task of any kind max, value
<q>	Defines a short quotation cite
<rp>	Used in ruby annotations to define what to show browsers that to not support the ruby element
<rt>	Defines explanation to ruby annotations
<ruby>	Defines ruby annotations
<s>, <strike>	Used to define strikethrough text.
<samp>	Defines sample computer code
<script>	Defines a definition list async, type charset defer, src
<section>	Defines a section cite
<scleet>	Defines a selectable list autofocus, disabled, form, multiple, name, size
<small>	Defines small text
<source>	Defines media resources media, src, type
	Defines a section in a document
	Defines strong text
<style>	Defines a style definition type, media, scoped
<sub>, <sup>	Defines sub/super-scripted text
<table>	Defines a table summary
<tbody>	Defines a table body summary
<td>	Defines a table cell colspan, headers, rowspan
<textarea>	Defines a text area autofocus, cols, disabled, form, maxlength, name, placeholder, readonly, readonly, required, rows, wrap
<tfoot>, <thead>	Defines a table footer / head
<th>	Defines a table header colspan, headers, rowspan, scope
<time>	Defines a date/tim datetime
<title>	Defines the document title
<tr>	Defines a table row datetime
<tt>	Used to define teletype text
<u>	Used to define underlined text
	Defines an unordered list
<var>	Defines a variable
<video>	Defines a video autobuffer, autoplay, controls, height, loop, src, width

HTML5 TAG CHEAT SHEET

Created by WebsiteSetup.org

Practice task

Practice task

- Prepare your working environment
- Open and run sample website
- Try to make changes and see updates

- Git commands:

```
git checkout -b gh-pages
git add .
git commit -m "add new file"
git push origin gh-pages
```

Homework

- Create mockup for your website
- Complete Try Git: try.github.io

Contacts

Europe Headquarters

52 V. Velykoho Str.
Lviv 79053, Ukraine

Tel: +380-32-240-9090
Fax: +380-32-240-9080

E-mail: info@softserveinc.com
Website: **www.softserveinc.com**

US Headquarters

12800 University Drive, Suite 250
Fort Myers, FL 33907, USA

Tel: 239-690-3111
Fax: 239-690-3116

Thank You!