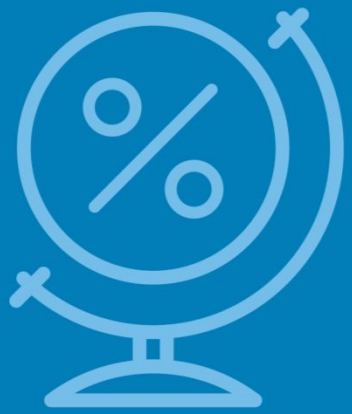
SoftServe

Empowering your Business through Software Development



# Introduction to the course. Managing the Application Life Cycle

Vyacheslav Koldovskyy

Last update: 16th May, 2016

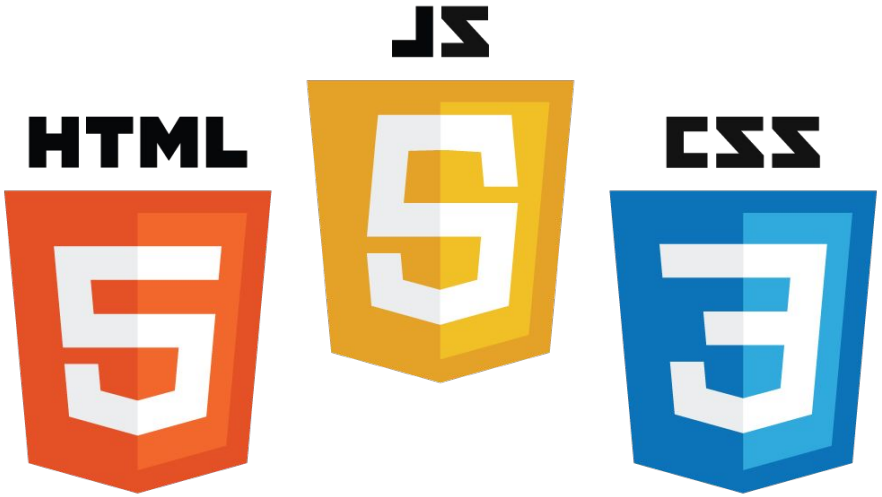
# Agenda

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

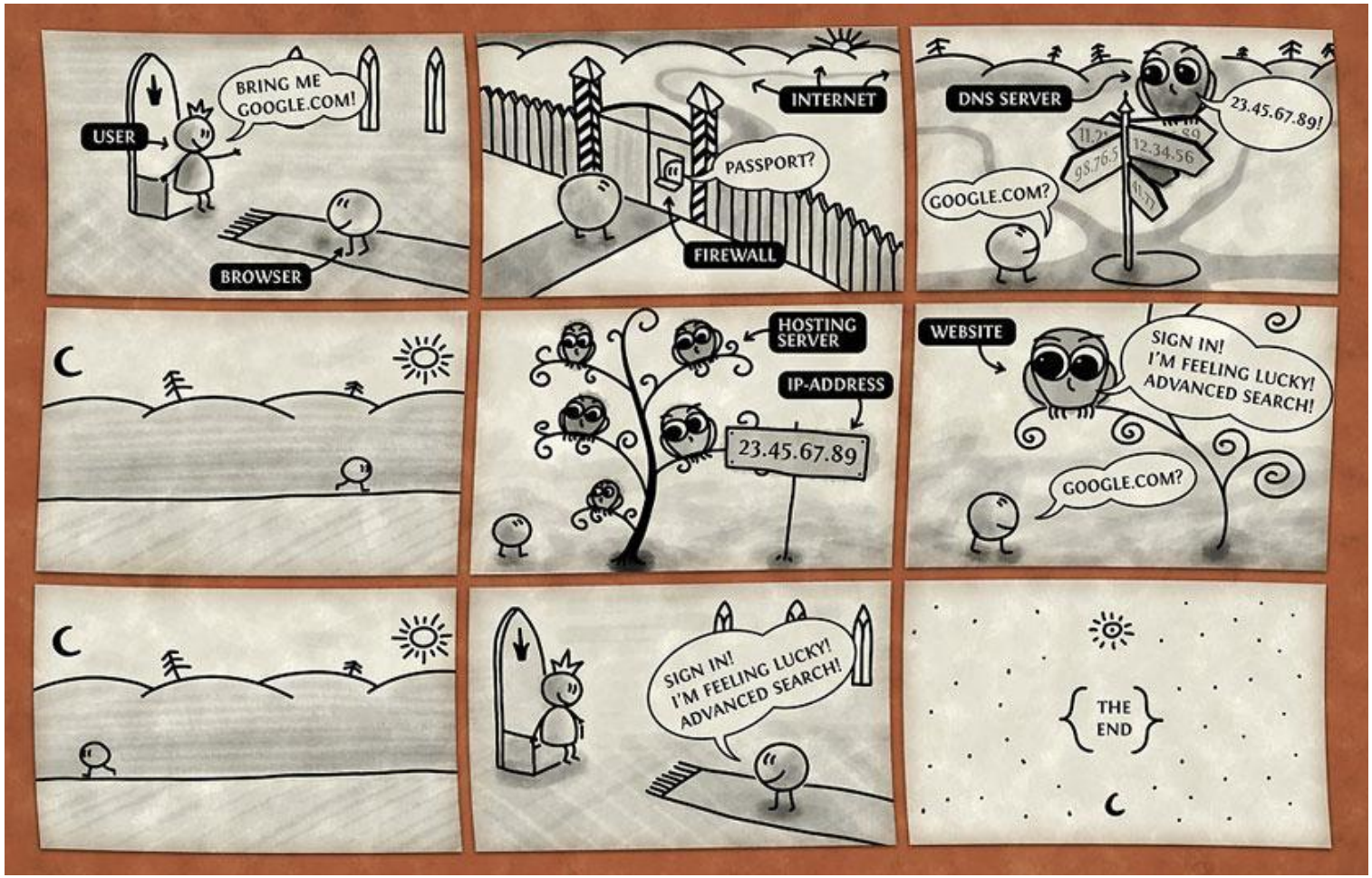
# Introduction to the Course

# HTML/CSS/JavaScript

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

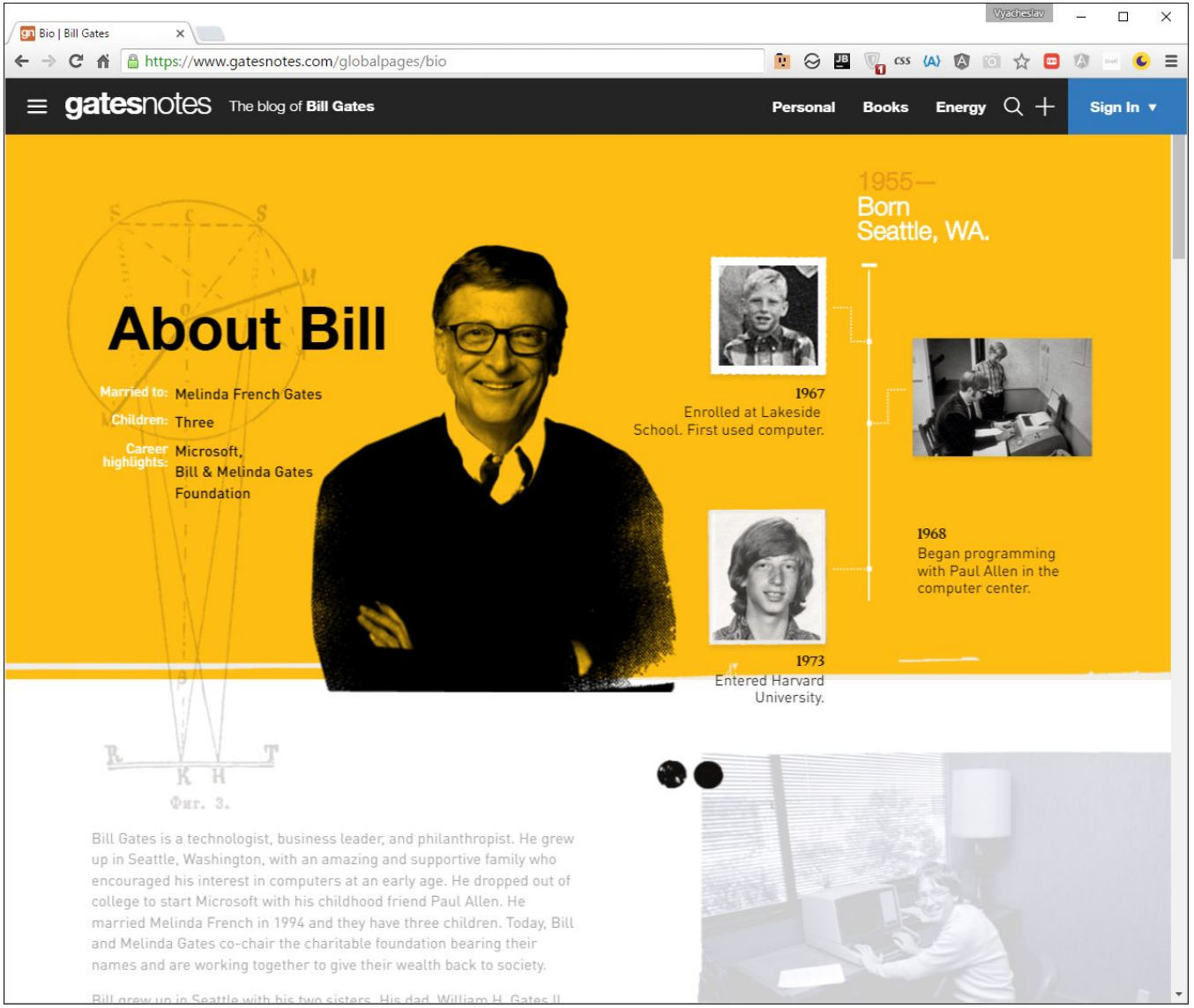


# How do browsers work



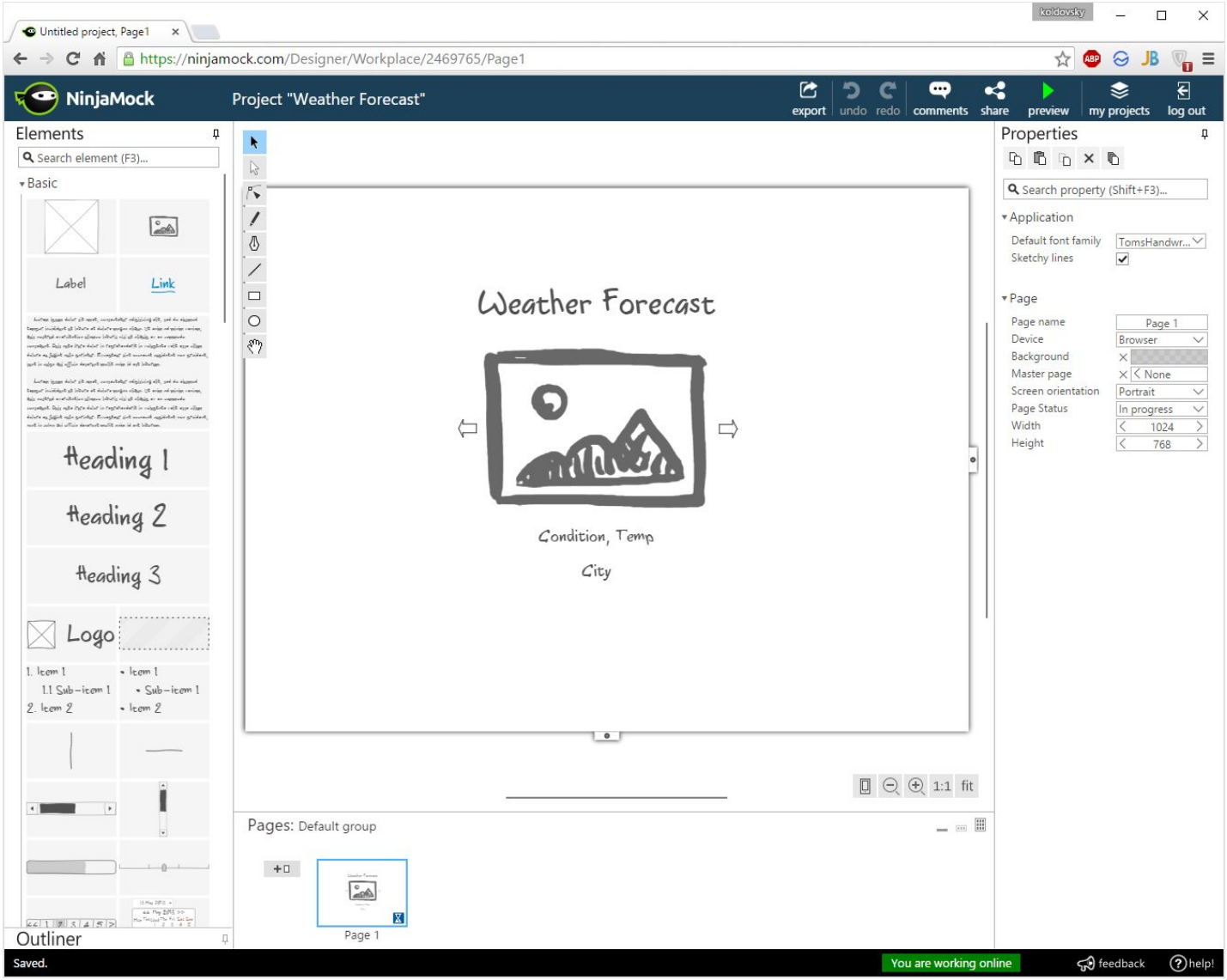

**Detailed article:** http://www.html5rocks.com/ru/tutorials/internals/howbrowserswork/

# Project – Personal Website

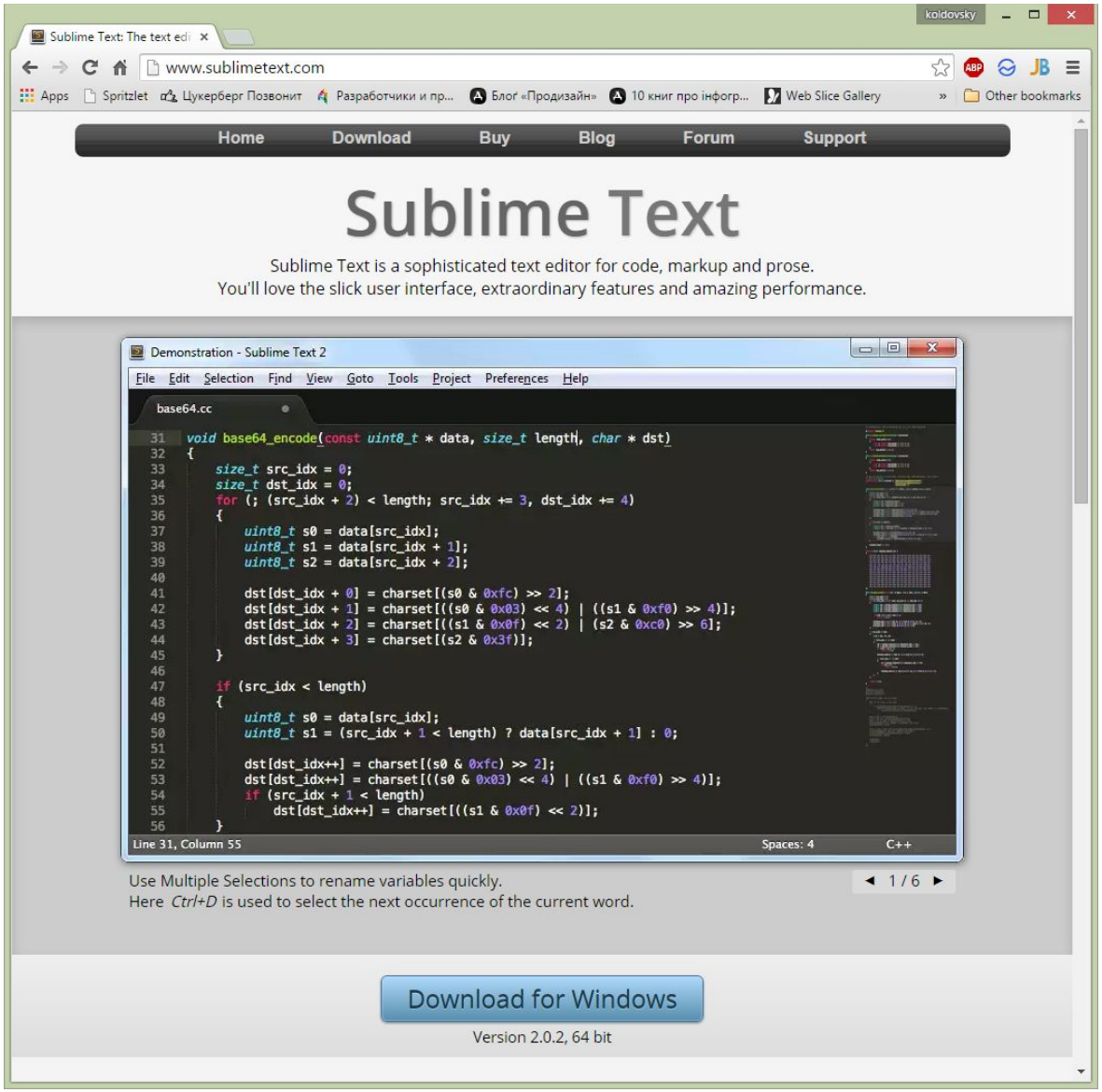


# Tools

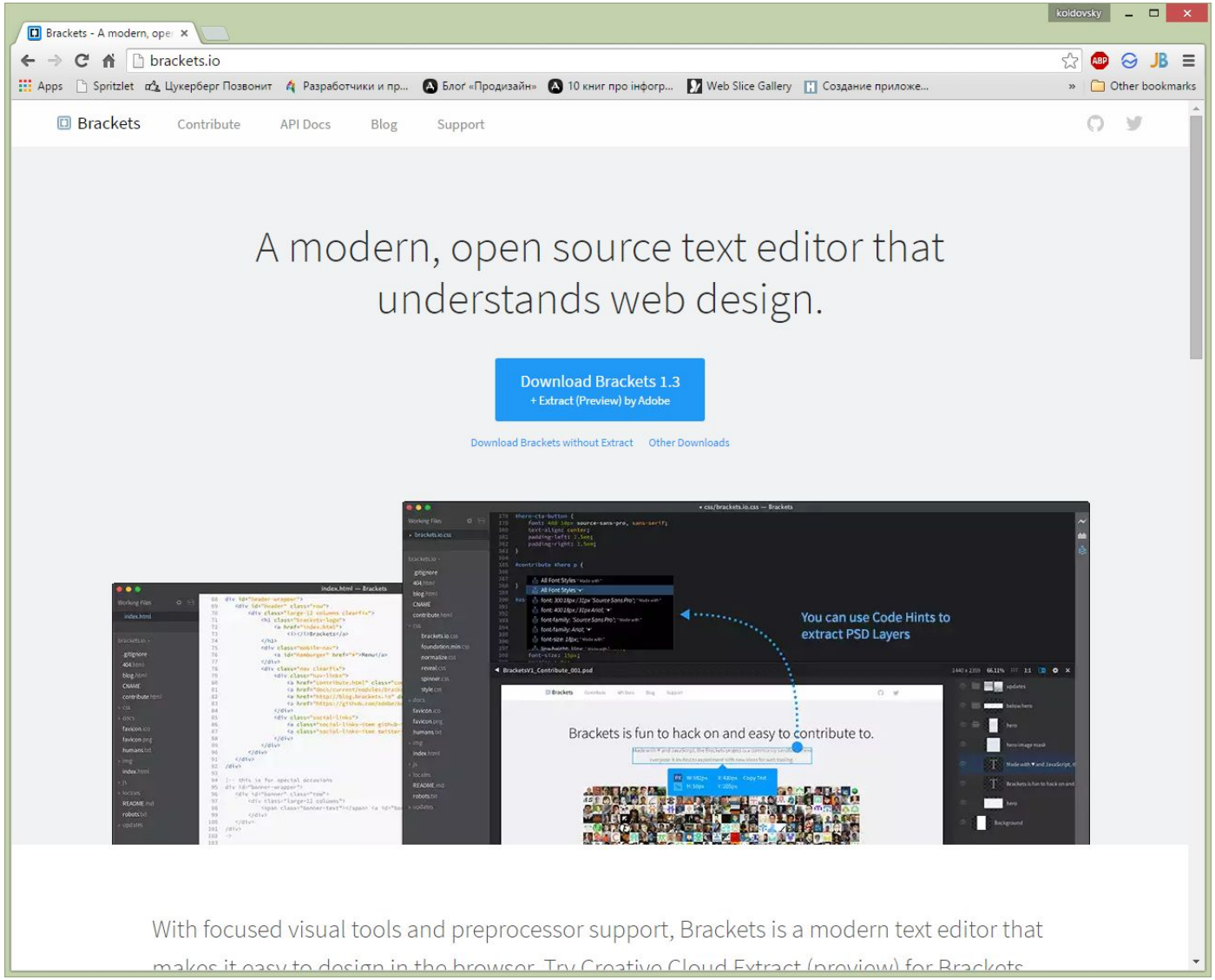
# Mockups – NinjaMock



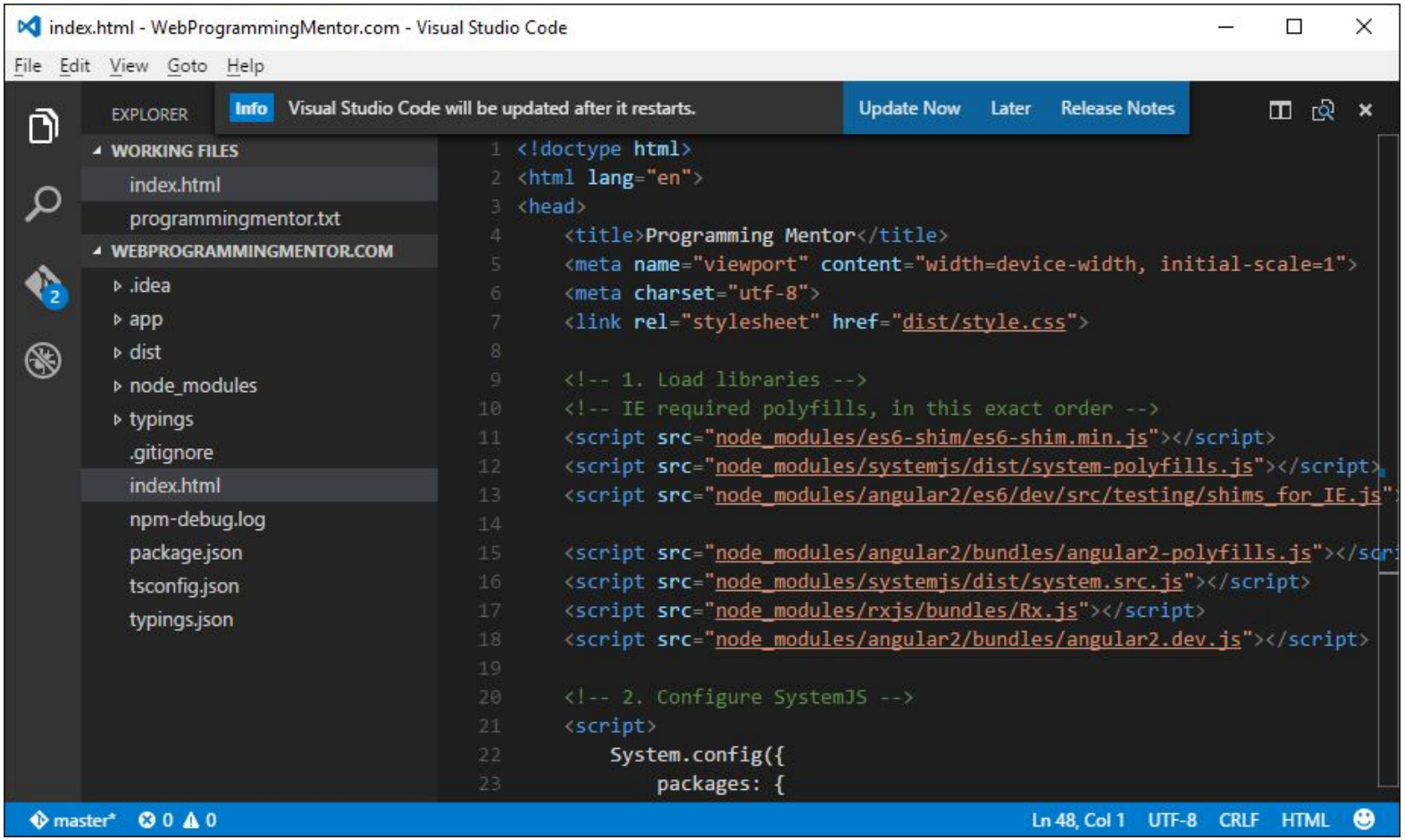
# Sublime Text



# Brackets

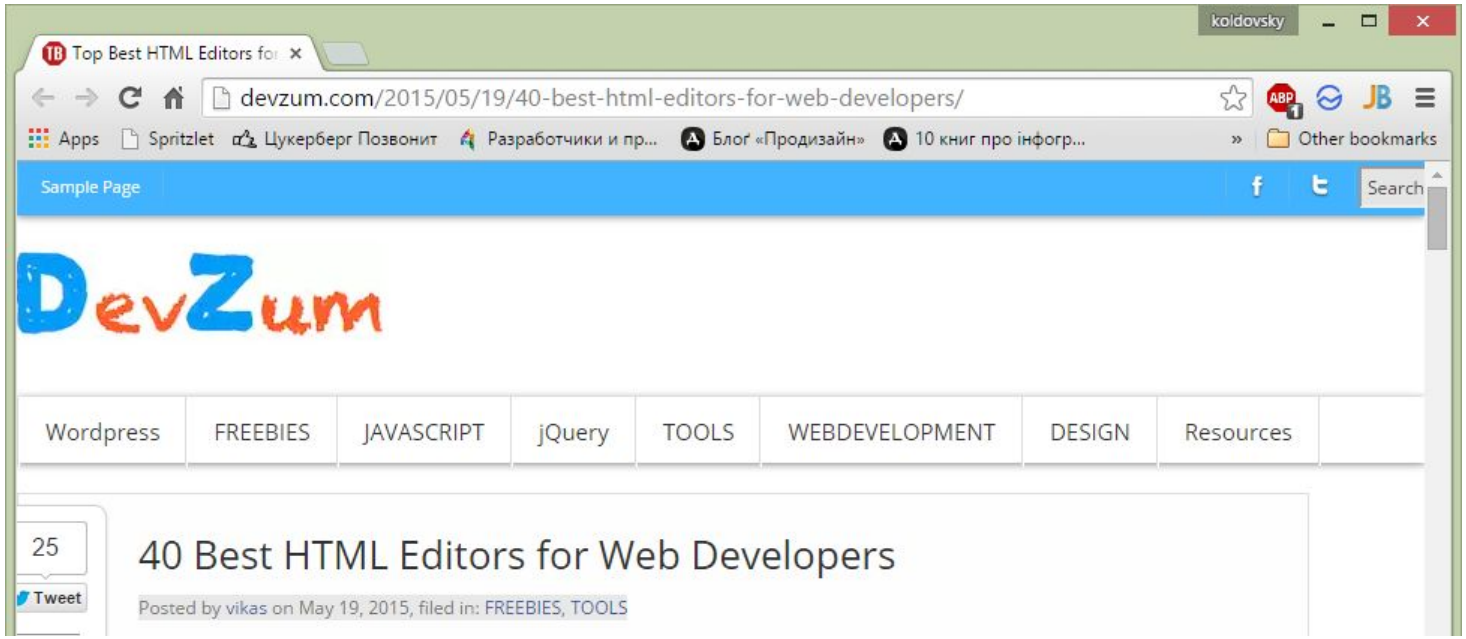

Brackets - A modern, open
brackets.io
Brackets
Contribute
API Docs
Blog
Support
A modern, open source text editor that understands web design.
Download Brackets 1.3
+ Extract (Preview) by Adobe
Download Brackets without Extract
Other Downloads
You can use Code Hints to extract PSD Layers
Brackets is 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

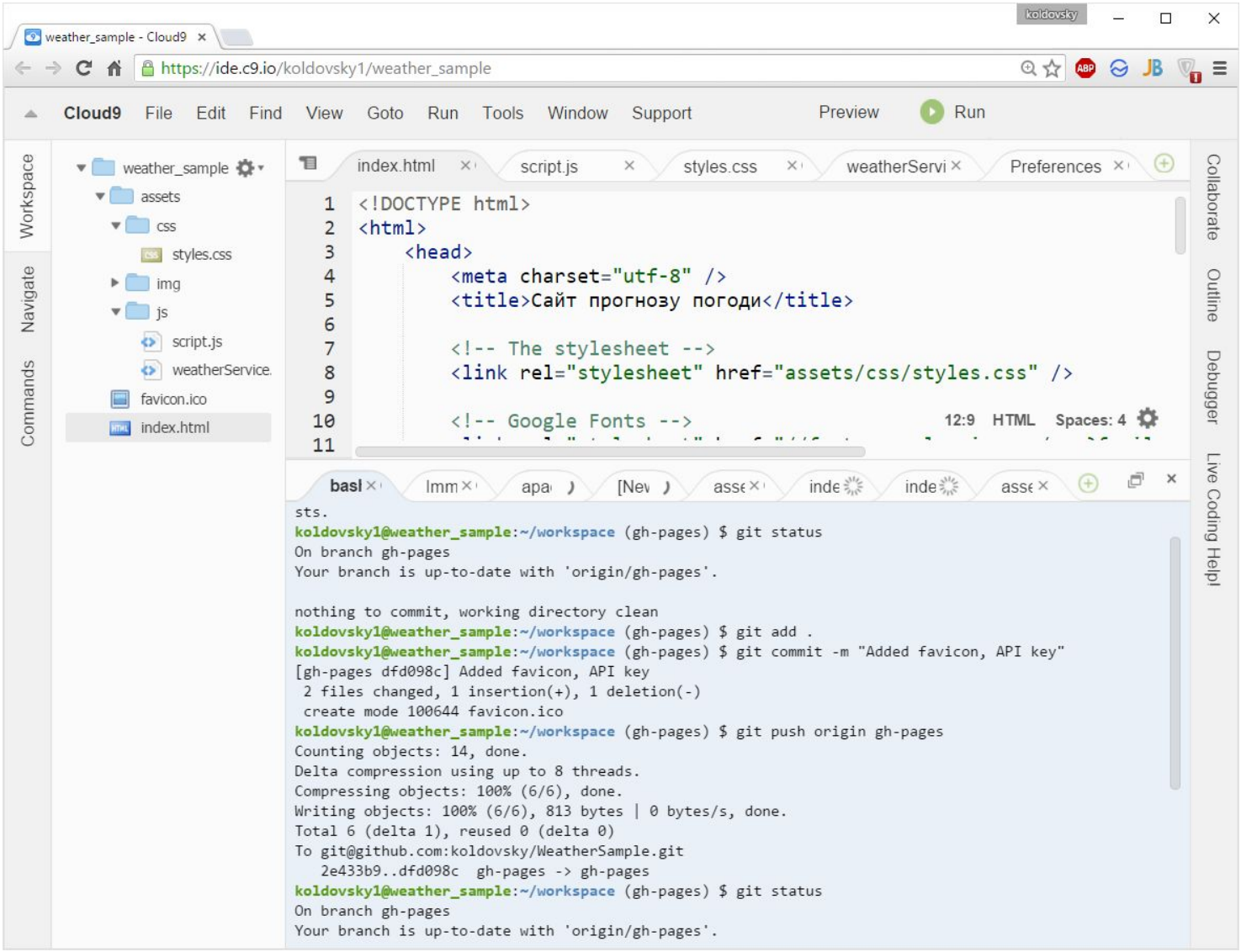


# And more…

- 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'.

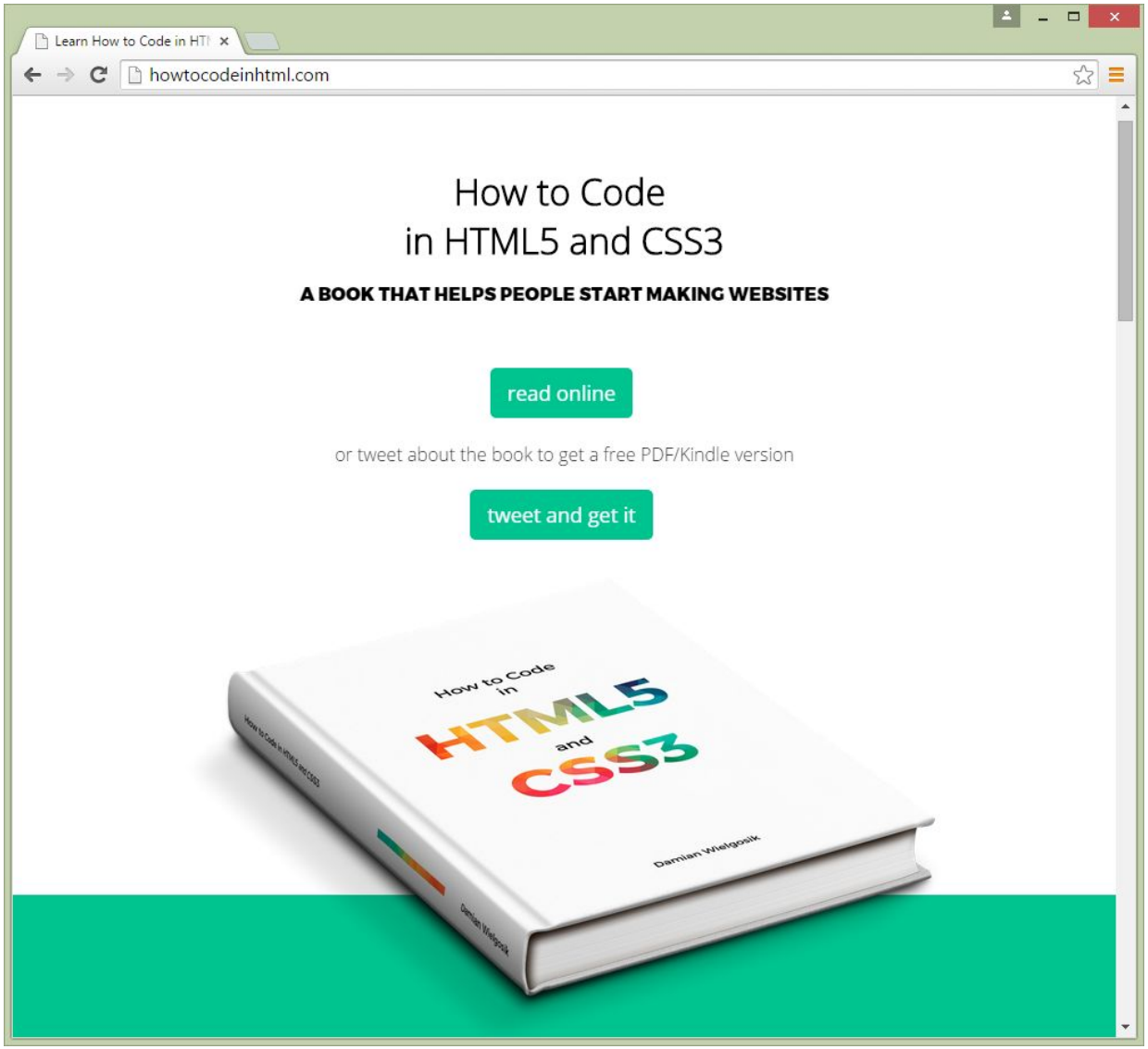
# Validators

# Validators help to check your work

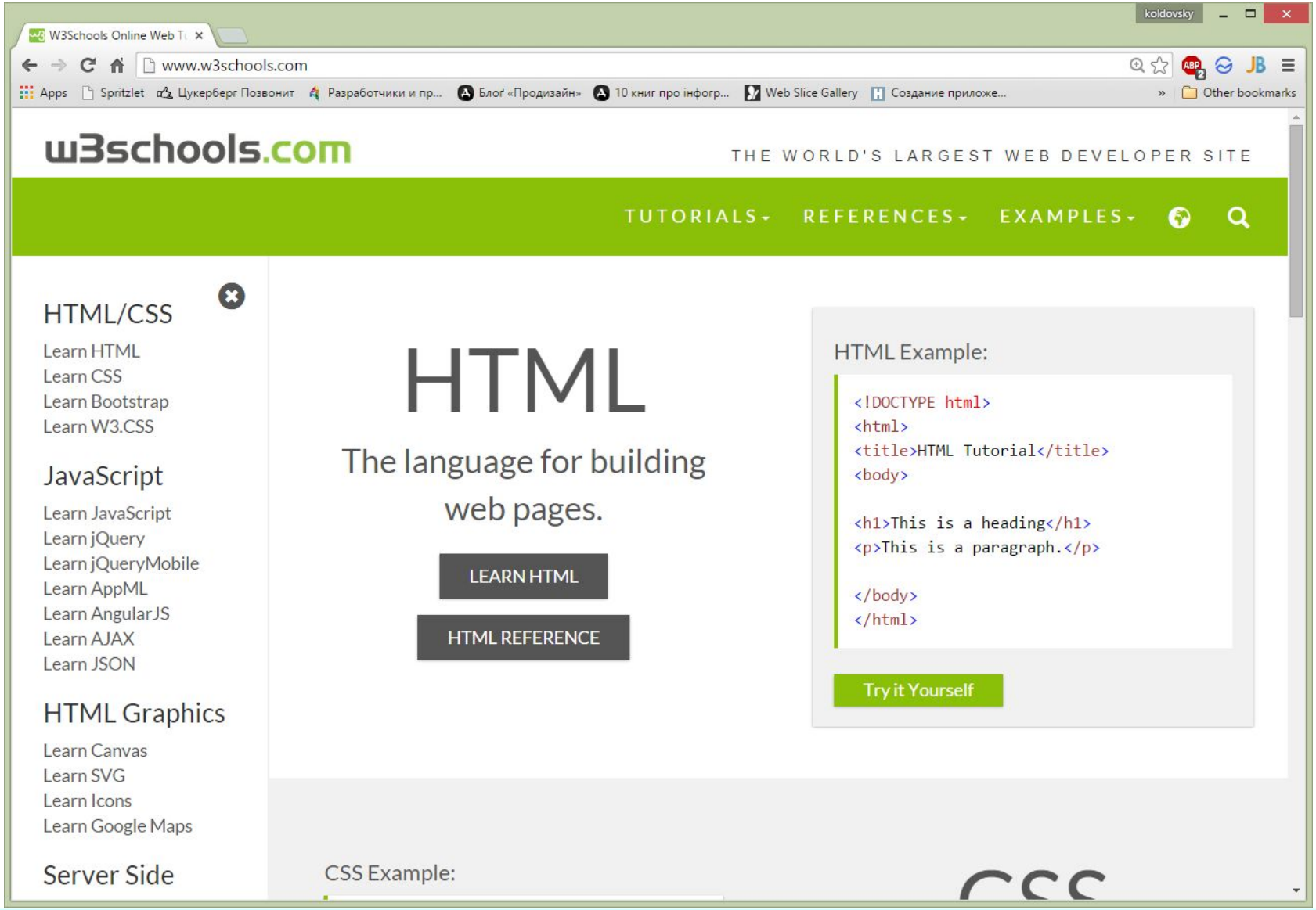
- HTML validator: http://validator.w3.org
- CSS validator: http://jigsaw.w3.org/css-validator

# Resources

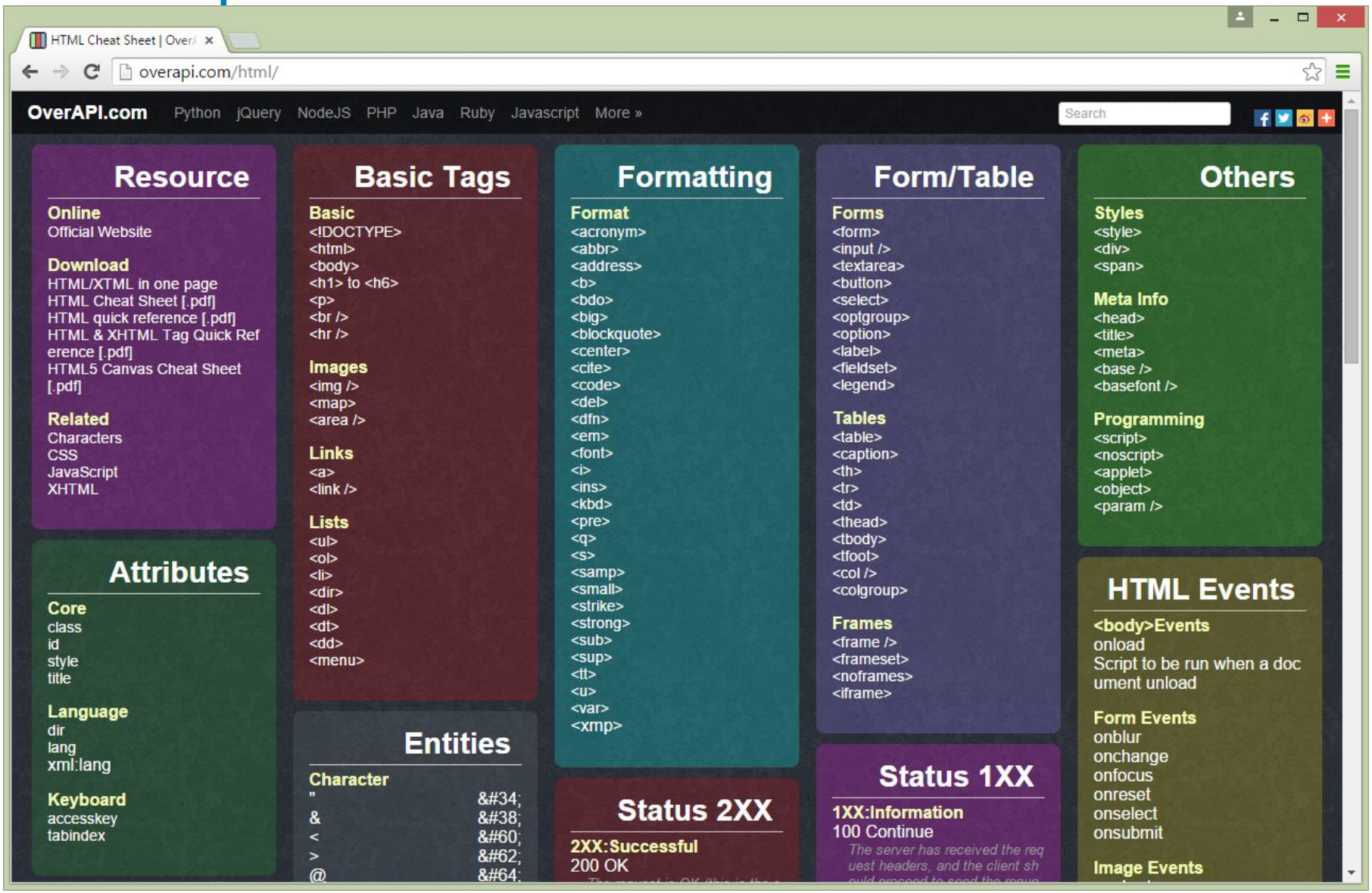
# http://howtocodeinhtml.com



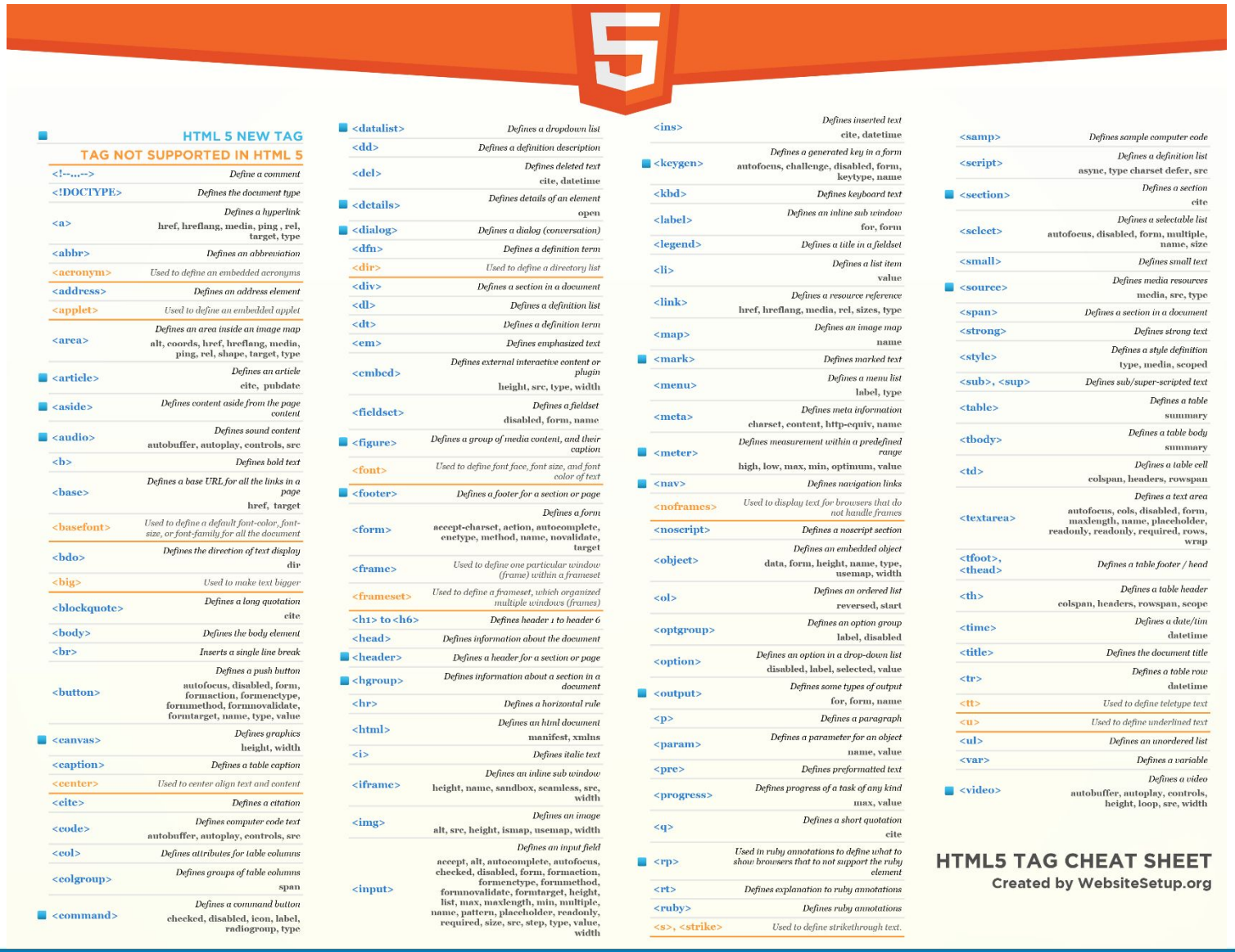
# http://w3schools.com



# 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<br>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<br>alt, coords, href, hreflang, media, ping, rel, shape, target, type |
| <article> | Defines an article<br>cite, pubdate |
| <aside> | Defines content aside from the page content |
| <audio> | Defines sound content<br>autobuffer, autoplay, controls, src |
| <b> | Defines bold text |
| <base> | Defines a base URL for all the links in a page<br>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<br>dir |
| <big> | Used to make text bigger |
| <blockquote> | Defines a long quotation<br>cite |
| <body> | Defines the body element |
| <br> | Inserts a single line break |
| <button> | Defines a push button<br>autofocus, disabled, form, formaction, formenctype, formmethod, formnovalidate, formtarget, name, type, value |
| <canvas> | Defines graphics<br>height, width |
| <caption> | Defines a table caption |
|  | Used to center align text and content |
| <cite> | Defines a citation |
| <code> | Defines computer code text<br>autobuffer, autoplay, controls, src |
| <col> | Defines attributes for table columns |
| <colgroup> | Defines groups of table columns<br>span |
| <command> | Defines a command button<br>checked, disabled, icon, label, radiogroup, type |
| <datalist> | Defines a dropdown list |
| <dd> | Defines a definition description |
| <del> | Defines deleted text<br>cite, datetime |
| <details> | Defines details of an element<br>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<br>height, src, type, width |
| <fieldset> | Defines a fieldset<br>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<br>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<br>manifest, xmlns |
| <i> | Defines italic text |
| <iframe> | Defines an inline sub window<br>height, name, sandbox, seamless, src, width |
| <img> | Defines an image<br>alt, src, height, ismap, usemap, width |
| <input> | Defines an input field<br>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<br>cite, datetime |
| <keygen> | Defines a generated key in a form<br>autofocus, challenge, disabled, form, keytype, name |
| <kbd> | Defines keyboard text |
| <label> | Defines an inline sub window<br>for, form |
| <legend> | Defines a title in a fieldset |
| <li> | Defines a list item<br>value |
| <link> | Defines a resource reference<br>href, hreflang, media, rel, sizes, type |
| <map> | Defines an image map<br>name |
| <mark> | Defines marked text |
| <menu> | Defines a menu list<br>label, type |
| <meta> | Defines meta information<br>charset, content, http-equiv, name |
| <meter> | Defines measurement within a predefined range<br>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<br>data, form, height, name, type, usemap, width |
| <ol> | Defines an ordered list<br>reversed, start |
| <optgroup> | Defines an option group<br>label, disabled |
| <option> | Defines an option in a drop-down list<br>disabled, label, selected, value |
| <output> | Defines some types of output<br>for, form, name |
| <p> | Defines a paragraph |
| <param> | Defines a parameter for an object<br>name, value |
| <pre> | Defines preformatted text |
| <progress> | Defines progress of a task of any kind<br>max, value |
| <q> | Defines a short quotation<br>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<br>async, type charset defer, src |
| <section> | Defines a section<br>cite |
| <scleet> | Defines a selectable list<br>autofocus, disabled, form, multiple, name, size |
| <small> | Defines small text |
| <source> | Defines media resources<br>media, src, type |
|  | Defines a section in a document |
|  | Defines strong text |
| <style> | Defines a style definition<br>type, media, scoped |
| <sub>, <sup> | Defines sub/super-scripted text |
| <table> | Defines a table<br>summary |
| <tbody> | Defines a table body<br>summary |
| <td> | Defines a table cell<br>colspan, headers, rowspan |
| <textarea> | Defines a text area<br>autofocus, cols, disabled, form, maxlength, name, placeholder, readonly, readonly, required, rows, wrap |
| <tfoot>, <thead> | Defines a table footer / head |
| <th> | Defines a table header<br>colspan, headers, rowspan, scope |
| <time> | Defines a date/tim<br>datetime |
| <title> | Defines the document title |
| <tr> | Defines a table row<br>datetime |
| <tt> | Used to define teletype text |
| <u> | Used to define underlined text |
| <ul> | Defines an unordered list |
| <var> | Defines a variable |
| <video> | Defines a video<br>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!