



Școala
informală
de IT

Web Introduction



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Agenda

- **Prev session Feedback**
- **Recap**
- **Foreword**
- **Today's course goals:**
 - **Choose the right html element for the task**
 - **Know how to style it**



Prev Session Feedback



Feedback

- **Why we need tools and accounts?**
 - Github, git bash, atom
- **Mandatory setup too long**
 - Need to make sure we are on the same page
- **Fast paced rhythm**
 - Raise a hand

Recap



Recap

- **Command line:**
 - **mkdir, touch, cd, ls**
 - **Some tags are wrapping content: ul, div**
 - **Some tags are self contained: img**

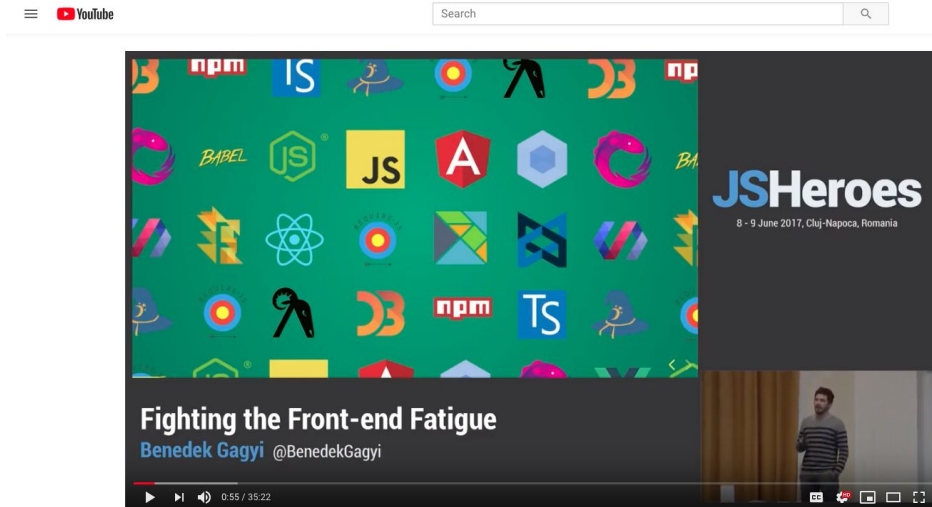


Foreword



Foreword

- **Benedek Gagyí:**
 - **“You don’t learn HTML/CSS, you get used to it.”**



JSHeroes 2017 | Benedek Gagyí - Fighting the Front-end Fatigue



HTML elements



HTML elements

- 112 html elements



HTML elements

- **11 categories**

- **Text-level semantics**
- **Sections**
- **Forms**
- **Embedded content**
- **Grouping content**
 - **etc**

HTML5 Periodical Table

Developed by Robert Menig from WebsiteSetup.org - responsive. Idea is taken from Josh Duck. If you want to embed this label to your own website, use the following code:

```
<iframe src="http://websitesetup.org/html5-periodical-table/" frameborder="0" width="800" height="600" seamless></iframe>
```

Share this Page :   

dd	figure	figcaption	div	img	iframe	embed	object	param	video	audio	source	track	canvas	map	area	svg	math	form	fieldset
dt	abbr			script	var	code	time	small	strong	h1	h5		h1	aside	output				legend
df	br			kbd			data			header	h4	h2		article	keygen				script
li	span			sub			abbr			footer		h3		nav	textarea				noscript
ul	bdo	ruby	mark	sup			dfn			address				section	option				template
ol	bdi			i			q			main				body	optgroup				menu
blockquote	rp			b			cite			em				meter	datalist				menu-item
pre	rt			u			s			a				progress	select	button	input	label	summary
hr	p	th	td	tr	tfoot	thead	tbody	col	col-group	caption	table	del	ins	style	meta	link	base	title	head
											html		details						

Root Elements		Scripting		Interactive Elements		Document Metadata	
Edits		Tabular Data		Grouping Content		Embedded Content	
Forms		Sections		Text-Level Semantics			

Research HTML elements

- **Google: mdn + [element name]:**
 - **mdn sup**
 - **mdn ul**
 - **mdn input**

Live coding

- **Block vs inline elements**
- **Default browser styles**
- **Overriding default browser styles (ex: buttons)**
 - **By hand**
 - **Normalize css**

CSS



CSS Syntax

- Simply put, web browsers apply **CSS rules** to affect how a document is displayed
- A **CSS rule** is made of:
 - A **set of properties**, which have **values** set to update how the HTML content is displayed
 - A **selector**, which selects the element(s) you want to apply the updated property values to

Where can I write CSS

- **Head**
 - **Between style tags**
- **Body**
 - **As inline styles**
- **Outside**
 - **In an external file**

CSS Syntax in a different angle

- Stylesheets consist of **rules**

- **Declarations**

- **Properties**

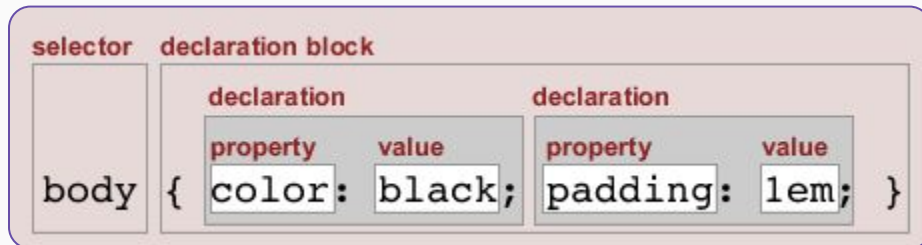
- **Values**

- **Selectors**

- Selectors are separated by *commas*

- Declarations are separated by *semicolons*

- Properties and values are separated by *colons*



```
h1,h2,h3 {  
  color: green;  
  font-weight: bold;  
}
```

CSS selectors

- Tag name
- Class name
- Id name

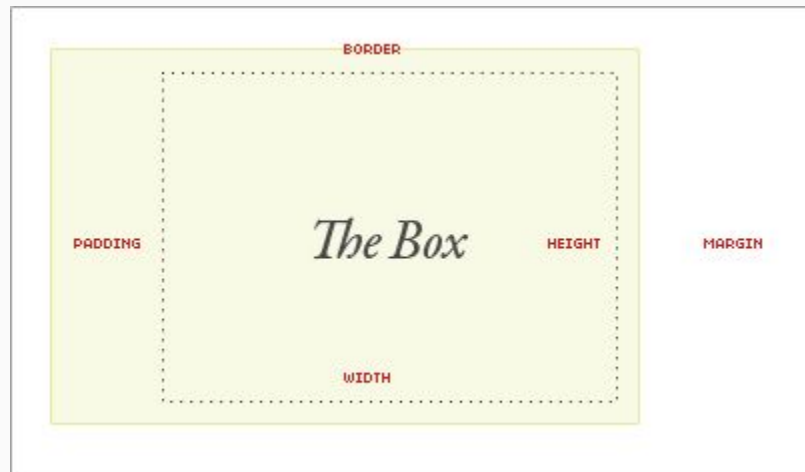
```
h1 {  
  color: green;  
  font-weight: bold;  
}
```

```
.heading {  
  color: green;  
  font-weight: bold;  
}
```

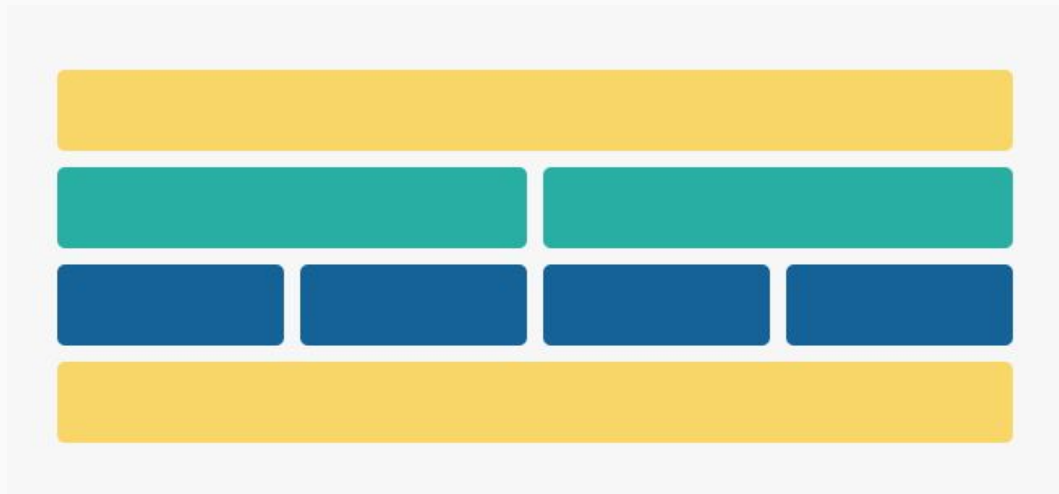
```
#heading {  
  color: green;  
  font-weight: bold;  
}
```

CSS Box model

- Width
- Height
- Border
- Padding
- Margin



Workshop 1



Workshop 2

Rottweiler

Beagle

Poodle

German shepherd



Beagle

Weight: 10 - 11kg

Coat Short haired, hard coat of medium length

Color Many colors

The beagle is a breed of small hound that is similar in appearance to the much larger foxhound. The beagle is a scent hound, developed primarily for hunting hare (beagling). With a great sense of smell and superior tracking instinct, the beagle is employed as detection dog for prohibited agricultural imports and foodstuffs in quarantine around the world. The beagle is intelligent but single-minded. It is a popular pet due to its size, good temper, and lack of inherited health problems.