

# HTML & CSS

BOX MODEL, DIV & SPAN, ARANJAREA ELEMENTELOR (LAYOUT), TABELE, FORMULARE

**LINK**Academy

**HTML**



**CSS**



# Conținut

- Div
- Span
- Flow
- Box model
- Float
- Tabele
- Formulare



*LINK*Academy

# Resurse

- <https://www.w3schools.com/>
- <https://developer.mozilla.org/>
- <https://css-tricks.com/>
- <https://caniuse.com/>
- <https://stackoverflow.com/>
- <https://codepen.io/>
- <https://medium.com/>
- <https://www.w3.org/TR/html52/>
- <https://www.w3.org/Style/CSS/specs.en.html>

# Fonturi - Grosime

```
body {  
    font-weight: bold;  
}
```

lighter

normal

**bold**

**bolder**

# Decorațuni

```
body {  
    text-decoration: underline;  
}
```

none

underline

overline

~~line-through~~

**blink**

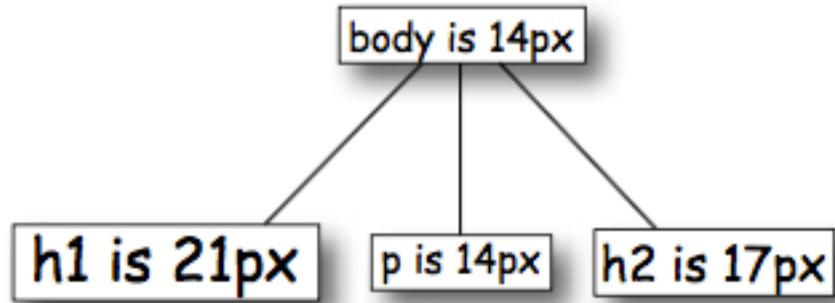
# Dimensiunea fontului

```
body {  
    font-size: 14px;  
}
```

h | i | p } 14 pixels

# Dimensiunea fontului

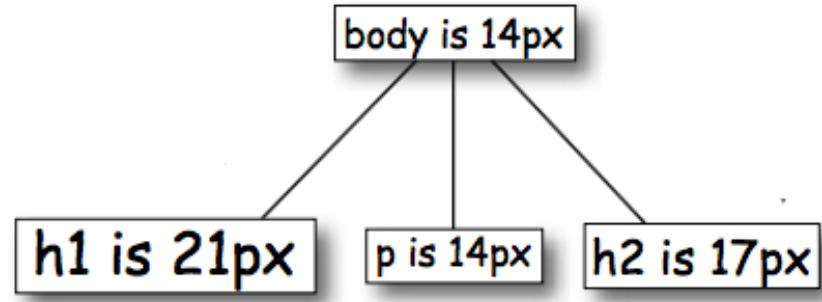
```
body {  
    font-size: 14px;  
}  
h1 {  
    font-size: 150%;  
}
```



# Dimensiunea fontului

em

```
body {  
    font-size: 14px;  
}  
h1 {  
    font-size: 150%;  
}  
h2 {  
    font-size: 1.2em;  
}
```



# Dimensiunea fontului

**1em = 12pt = 16px = 100%**

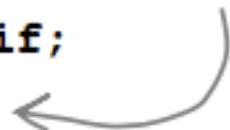
# Dimensiunea fontului

	body { font-size: 100%; }	body { font-size: 120%; }
font-size: 1em	The quick brown fox	<b>The quick brown</b>
font-size: 12pt	The quick brown fox	The quick brown fox
font-size: 16px	The quick brown fox	The quick brown fox
font-size: 100%	The quick brown fox	<b>The quick brown</b>

# Spațiul dintre linii

```
body {  
    font-size: small;  
    font-family: Verdana, Helvetica, Arial, sans-serif;  
    line-height: 1.6em;  
}
```

Spațiul dintre linii



# Google Fonts



<https://fonts.googleapis.com/>

# Alinierea textului (text-align)

The Sow the Seeds Fund is a project of the Minneapolis-based Institute for Agriculture and Trade Policy (IATP), working in partnership with natural food co-ops and other nonprofits to support local organizations and farmers working to build a healthy, equitable local food system.

## Left Align Text

The Sow the Seeds Fund is a project of the Minneapolis-based Institute for Agriculture and Trade Policy (IATP), working in partnership with natural food co-ops and other nonprofits to support local organizations and farmers working to build a healthy, equitable local food system.

## Center Align Text

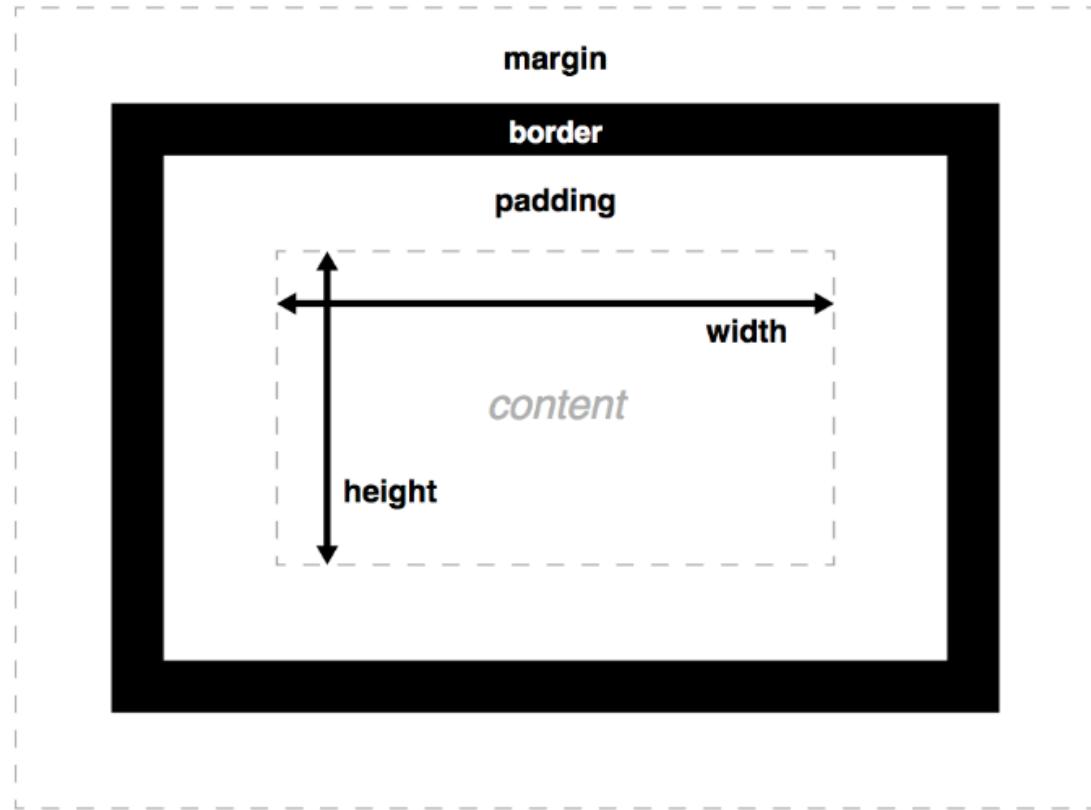
The Sow the Seeds Fund is a project of the Minneapolis-based Institute for Agriculture and Trade Policy (IATP), working in partnership with natural food co-ops and other nonprofits to support local organizations and farmers working to build a healthy, equitable local food system.

## Right Align Text

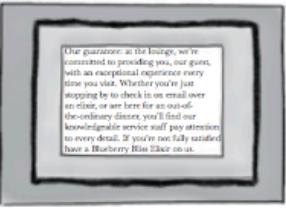
The Sow the Seeds Fund is a project of the Minneapolis-based Institute for Agriculture and Trade Policy (IATP), working in partnership with natural food co-ops and other nonprofits to support local organizations and farmers working to build a healthy, equitable local food system.

## Justified Text

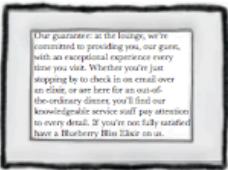
# Box model



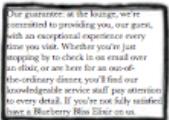
# Boxes



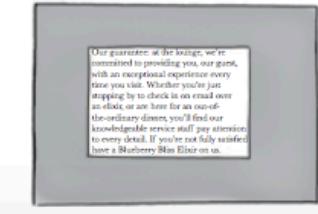
You can style a box to have padding, a border, and a margin.



Or, just padding and a border.

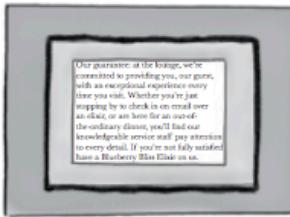


Or just a border.

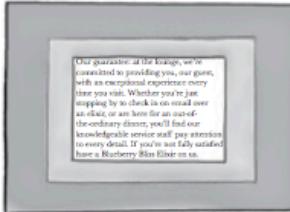


Or a margin with no border and no padding.

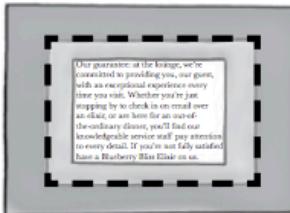
# Borders



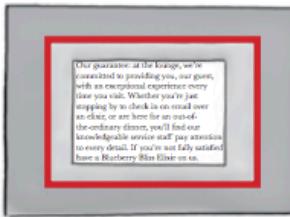
You can have solid borders, thick or thin.



Or no border at all.

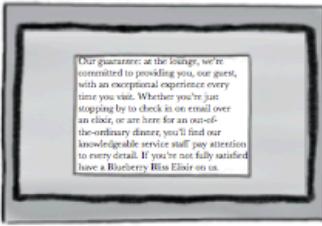


Or choose from eight different styles of borders, like dashed.



Or even color your borders.

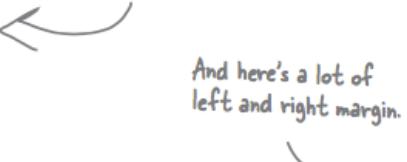
# Padding



With CSS you can control padding on any side of the content area. Here we've got a lot of left and right padding.



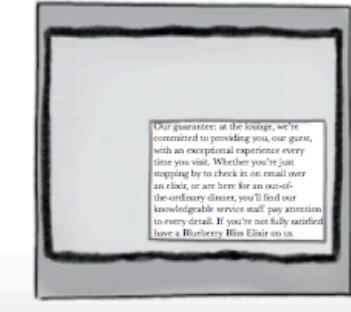
And here a lot of top and bottom padding.



And here's a lot of left and right margin.



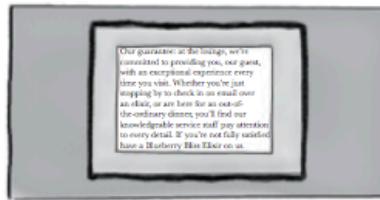
And here the content is offset to the bottom right with padding on the top and left.



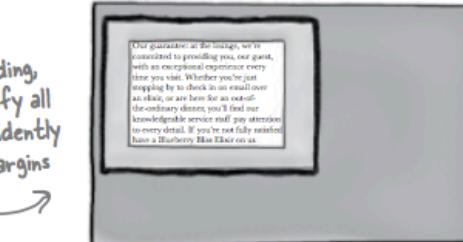
# Margins



You have the same level of control over the margins. Here there's a lot of top and bottom margin.

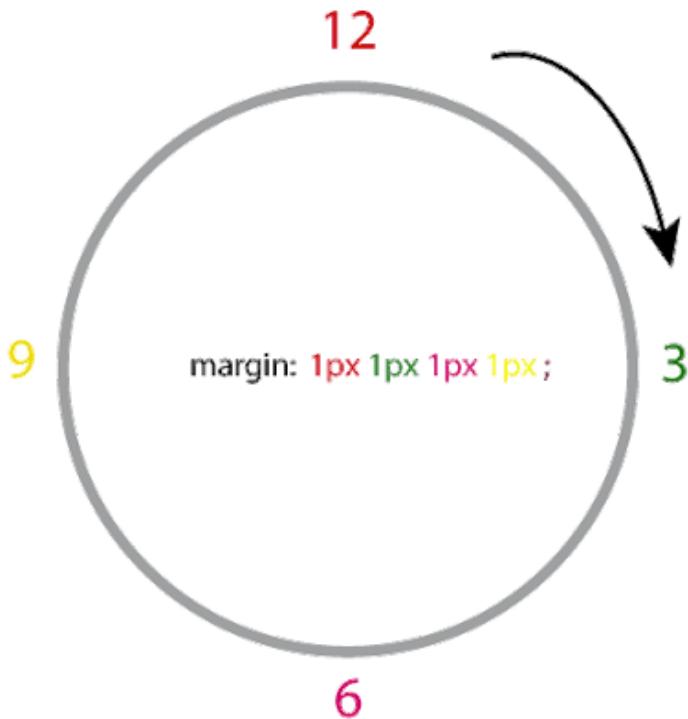


And here's a lot of left and right margin.



And like padding, you can specify all sides independently to create margins like this.

# Box model



# Inspectarea elementelor

The screenshot shows the browser's developer tools open to the "Elements" tab. A specific element, `.homepage .logo-title`, is selected in the main pane. The "Styles" panel on the left lists the following CSS rules:

```
element.style {  
}  
.homepage .logo-title {  
    color: #969EA2;  
    font-size: 1.1em;  
    margin-bottom: 3em;  
    text-align: center;  
}  
p {  
    line-height: 1.6em;  
    margin: 0 0 15px;  
}
```

The "Elements" panel at the bottom shows the full DOM tree of the page, starting with the `<body>` tag.

# Box model

< p class="guarantee">

Our guarantee: at Starbuzz, we're committed to providing you, our guest, with an exceptional experience every time you visit.

</ p >

# Box model

```
.guarantee {  
    border-color: black;  
    border-width: 1px;  
    border-style: solid;  
    background-color: #a7cece;  
}
```

# Box model

```
.guarantee {  
    border-color: black;  
    border-width: 1px;  
    border-style: solid;  
    background-color: #a7cece;  
    padding: 25px;  
    margin: 30px;  
}
```

# Box model

```
.guarantee {  
    line-height:      1.9em;  
    font-style:       italic;  
    font-family:      Georgia, "Times New Roman", Times, serif;  
    color:           #444444;  
    border-color:     black;  
    border-width:     1px;  
    border-style:     solid;  
    background-color: #a7cece;  
    padding:          25px;  
    margin:           30px;  
    background-image: url(images/background.gif);  
}
```



[https://github.com/miezuit/html\\_css\\_training/blob/master/starbuzz/images/background.gif](https://github.com/miezuit/html_css_training/blob/master/starbuzz/images/background.gif)

# Box model

```
.guarantee {  
    line-height:          1.9em;  
    font-style:           italic;  
    font-family:          Georgia, "Times New Roman", Times, serif;  
    color:                #444444;  
    border-color:          black;  
    border-width:          1px;  
    border-style:           solid;  
    background-color:      #a7cece;  
    padding:               25px;  
    margin:                30px;  
    background-image:      url(images/background.gif);  
    background-repeat:     no-repeat;  
    background-position:   top left;  
}
```

Go with **solid**,  
the original.

Go with  
**double**, I'm  
twice the fun.

I'm the border  
that's got the  
**groove**.

► Go with me, I've  
been better since  
the **outset**.

# Borduri

Once you go  
**dotted** you'll  
never go back.

Ignore dotted,  
use **dashed**.

I'm the only  
“in” style:  
**Inset**.

I'm more fun;  
I've got **ridges**.

# Borduri

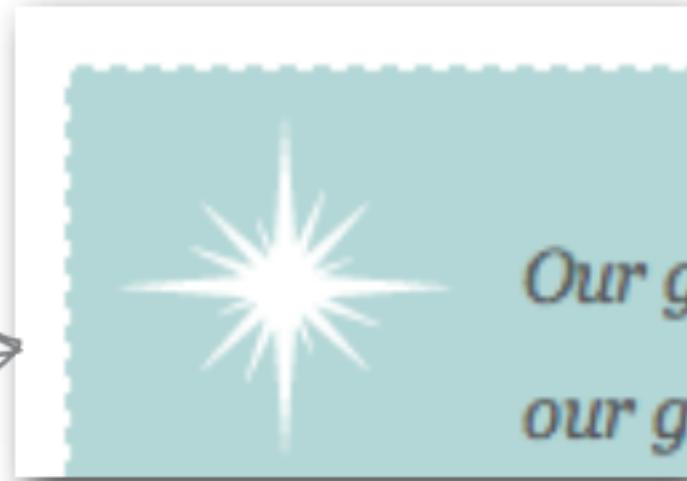
```
border-width: thin;  
border-width: 5px;
```

<hr/>	1px
<hr/>	2px
<hr/>	3px
<hr/>	thin
<hr/>	medium
<hr/>	thick
<hr/>	4px
<hr/>	5px
<hr/>	6px

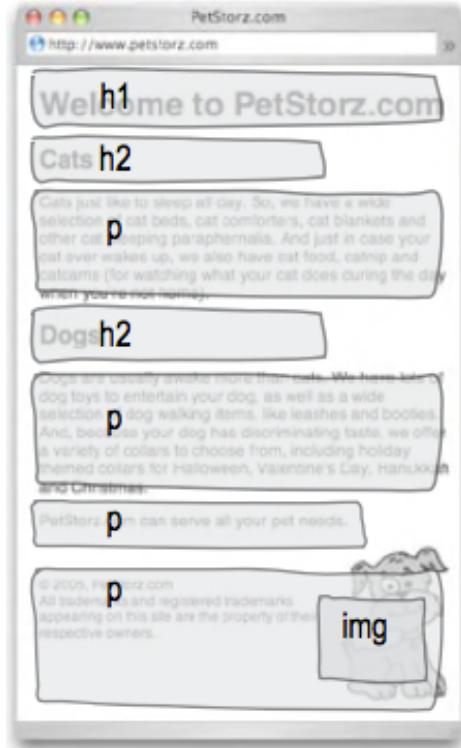
# Borduri

```
border-style: dashed;
```

```
border-color: white;
```

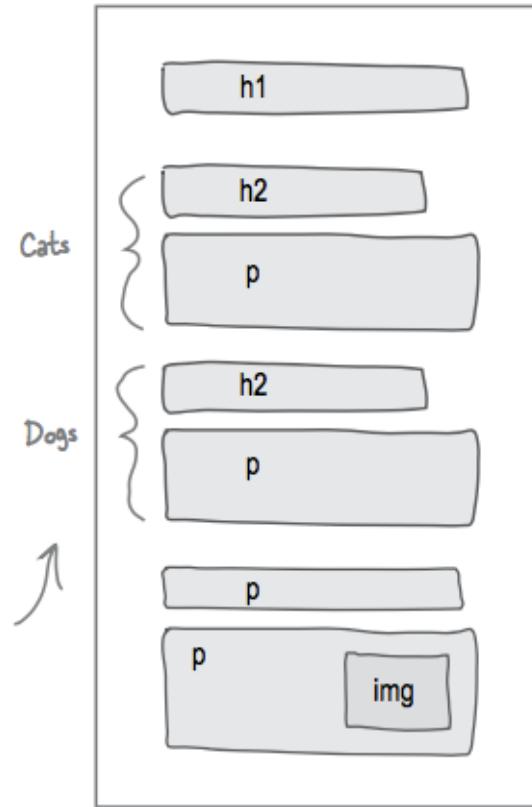


# <div>



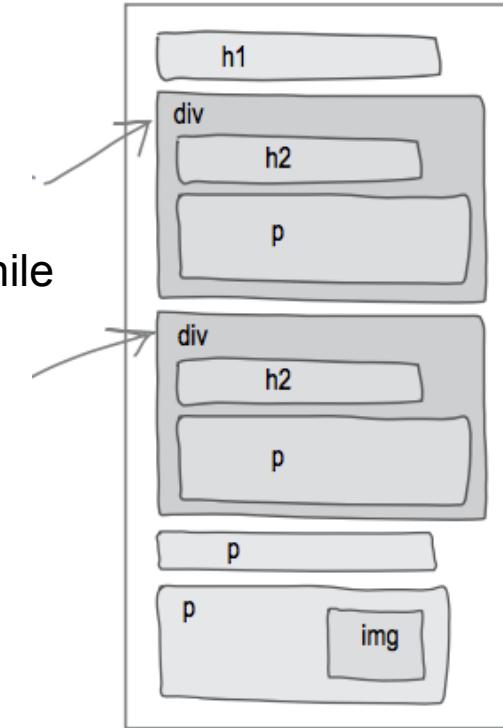
# <div>

Identificăm secțiunile logice:



# <div>

Folosim tagul <div> pentru a marca secțiunile



# Div & span

Folosiți dar nu abuzați de <div>uri în paginile HTML.  
Adăugați structură pentru a separa conținutul în părți logice pentru claritate și stilizare.

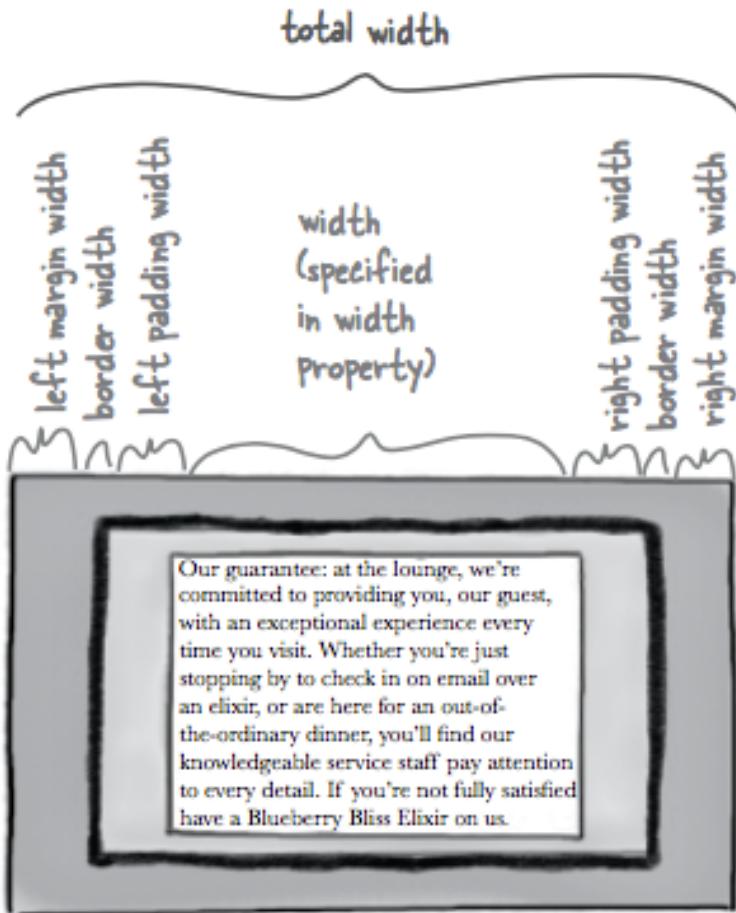
Adăugarea de <div>uri pentru a înlocui alte tag-uri HTML sau pentru a crea prea multă structură complică pagina și îngreunează citirea ei.

# <div>

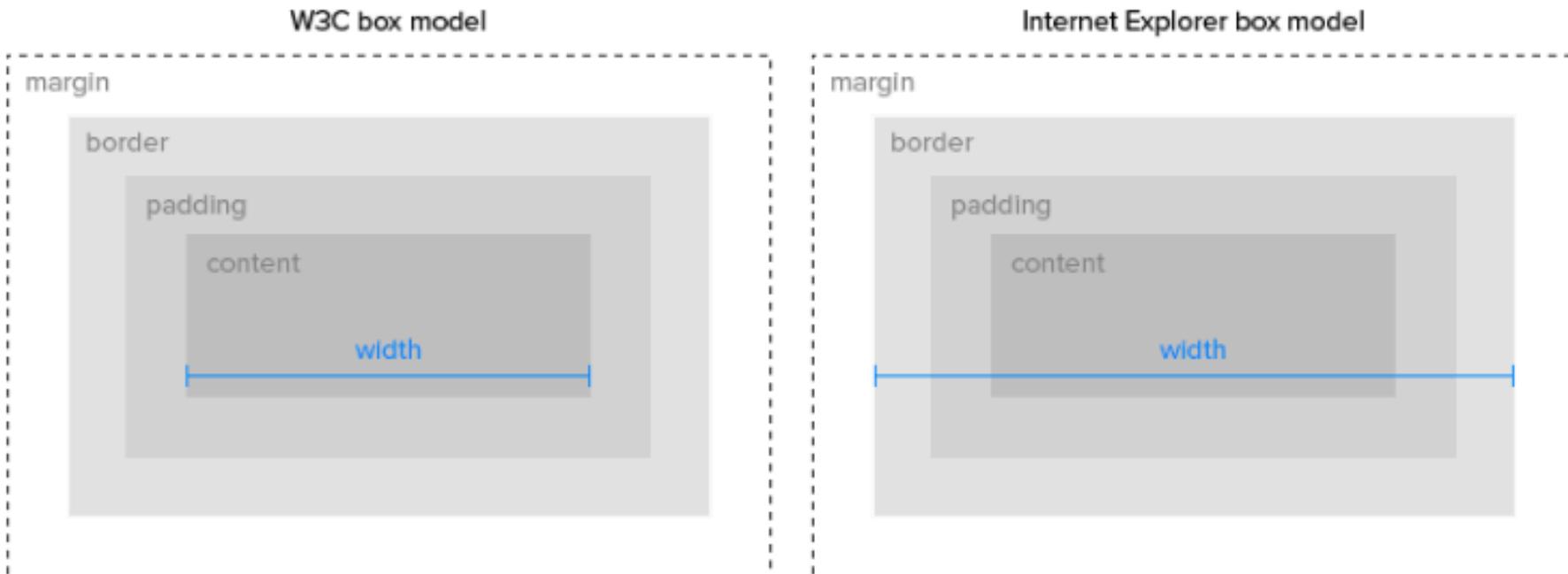
```
#drinks {  
    border-width: thin;  
  
    border-style: solid;  
  
    border-color: #007e7e;  
  
    width: 200px;  
}  
}
```



Lungimea cutiei

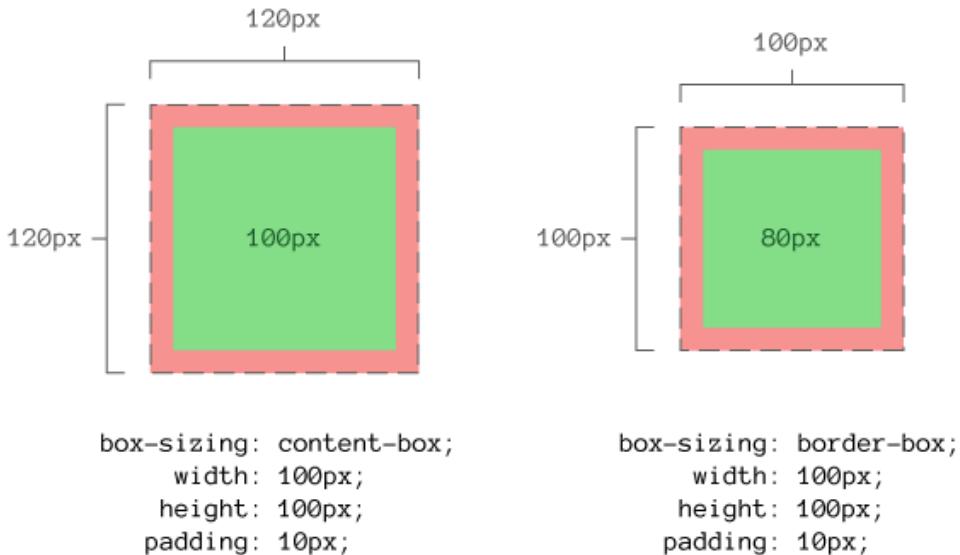


# Box sizing



# CSS Box Sizing

content-box  border-box



Padding



Content area

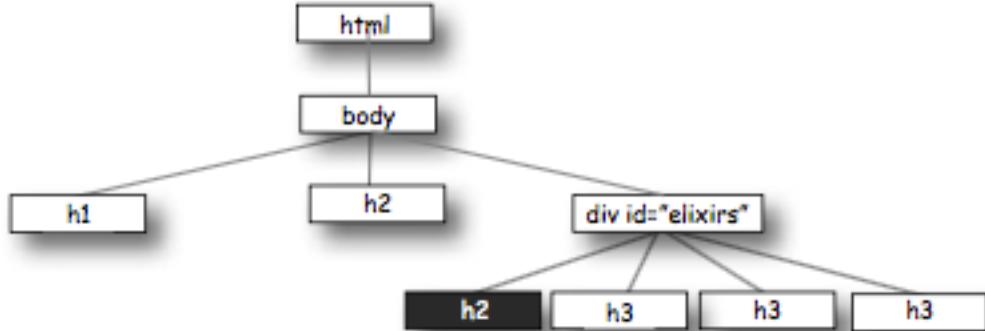


Element border

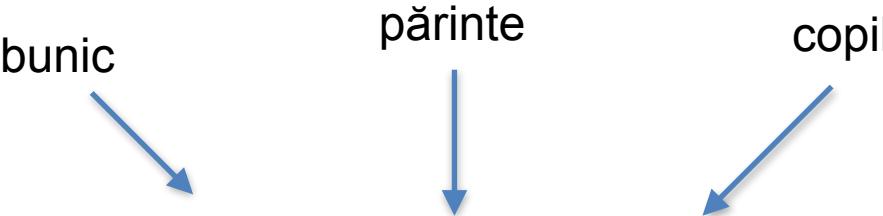
# Selectori CSS - Părinte-copil

```
div h2 {  
    color: black;  
}
```

```
#elixirs h2 {  
    color: black;  
}
```



# Selectori CSS - Părinte-copil



```
#elixirs blockquote h2 {  
    color: blue;  
}
```

bunic

părinte

copil

# <span>

Elementele **<span>** pot separa logic conținutul care este **inline** așa cu **<div>**urile separă conținutul la nivel de **bloc**.

# Starbuzz DJ

## What's playing

We're frequently asked about the music we play at the lounge, and no wonder, it's great stuff. Just for you, we keep a list here on the site, updated weekly. Enjoy.

- Buddha Bar, **Claude Challe**
- When It Falls, **Zero 7**
- Earth 7, **L.T.J. BUKEM**
- Le Roi Est Mort, Vive Le Roi!, **Enigma**
- Music for Airports, **Brian Eno**



Melodia: text italic

Artistul: text bold

# Starbuzz DJ



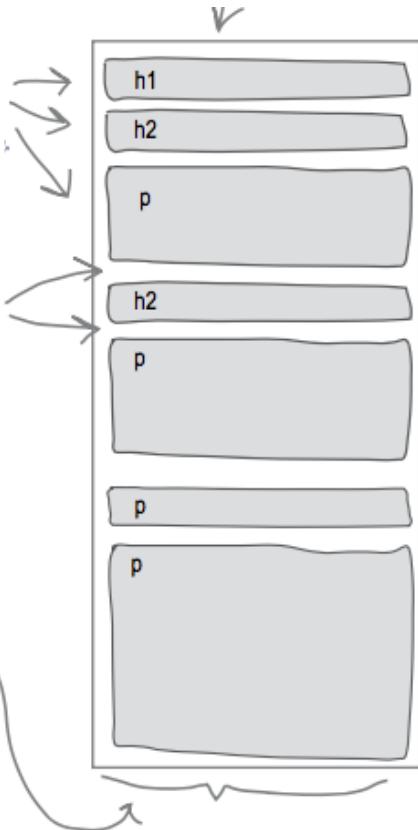


# Flow - aranjarea elementelor

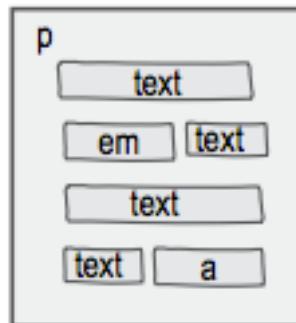
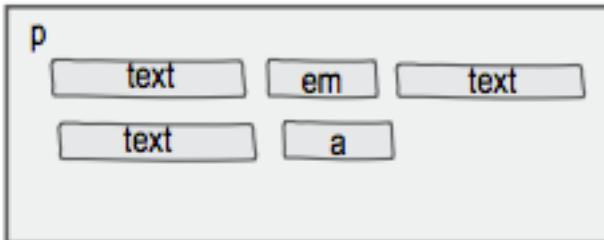
Blocurile sunt afișate în ordinea în care apar

Fiecare bloc este pe o linie nouă

Blocurile ocupă întreaga lățime

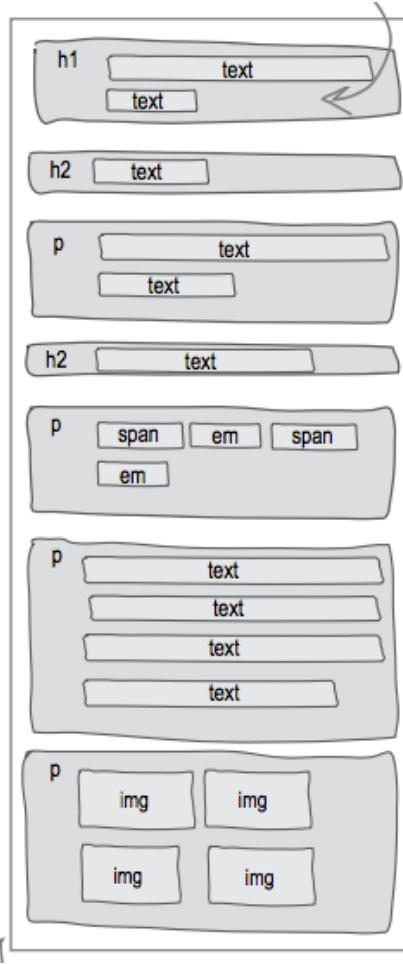
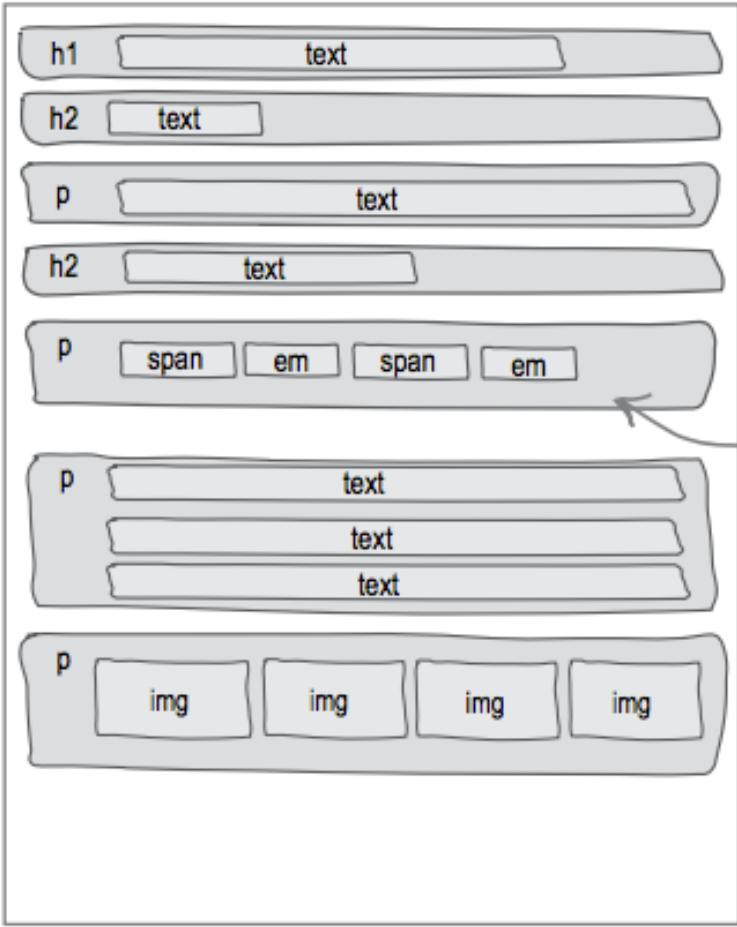


# Flow - aranjarea elementelor

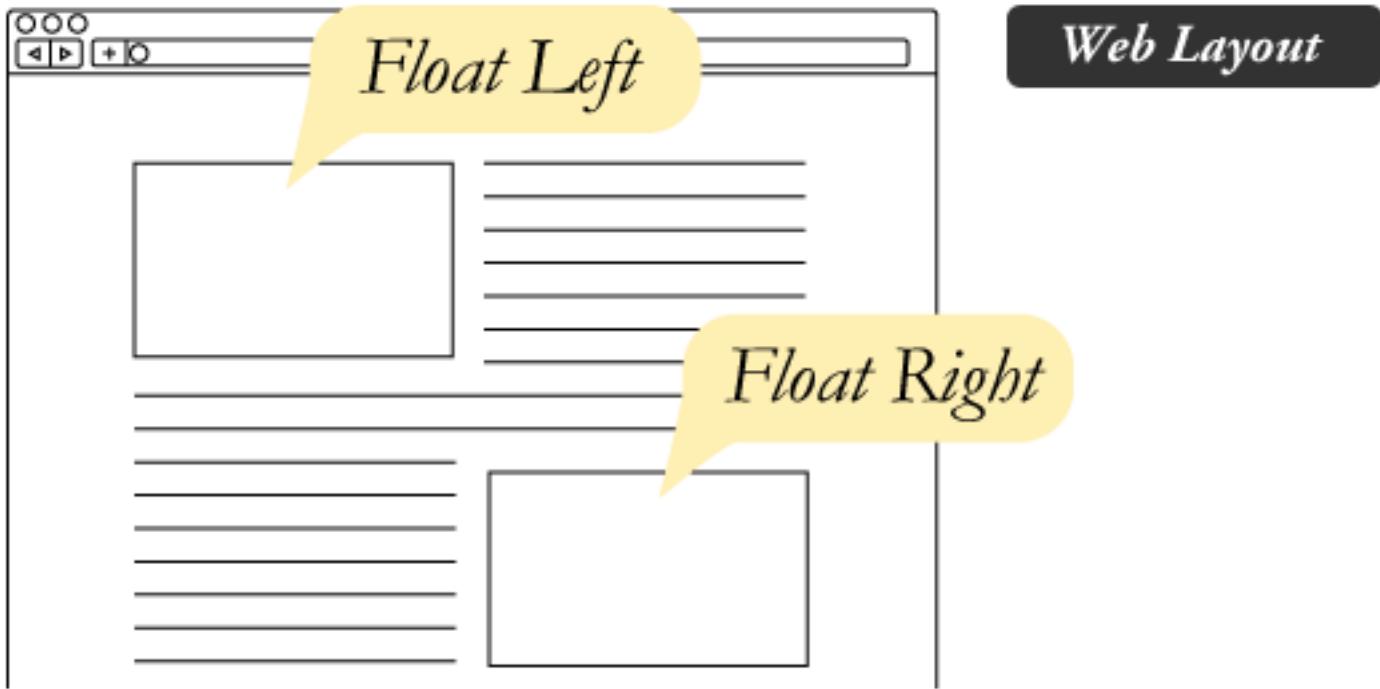


Elementele inline sunt afișate în ordinea în care apar.

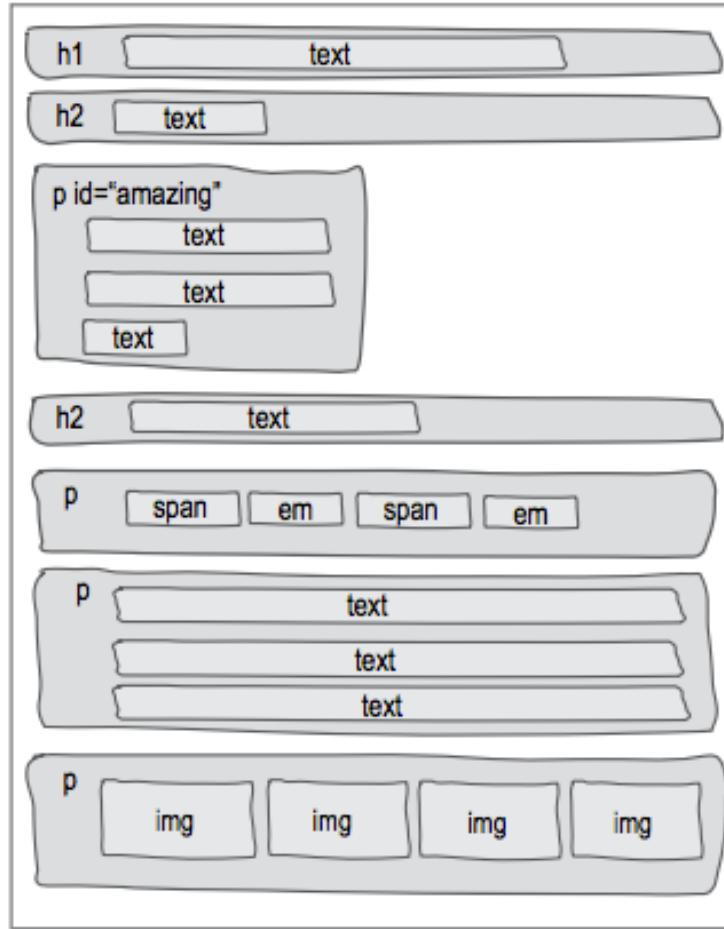
Dacă nu au loc trec pe o linie nouă.



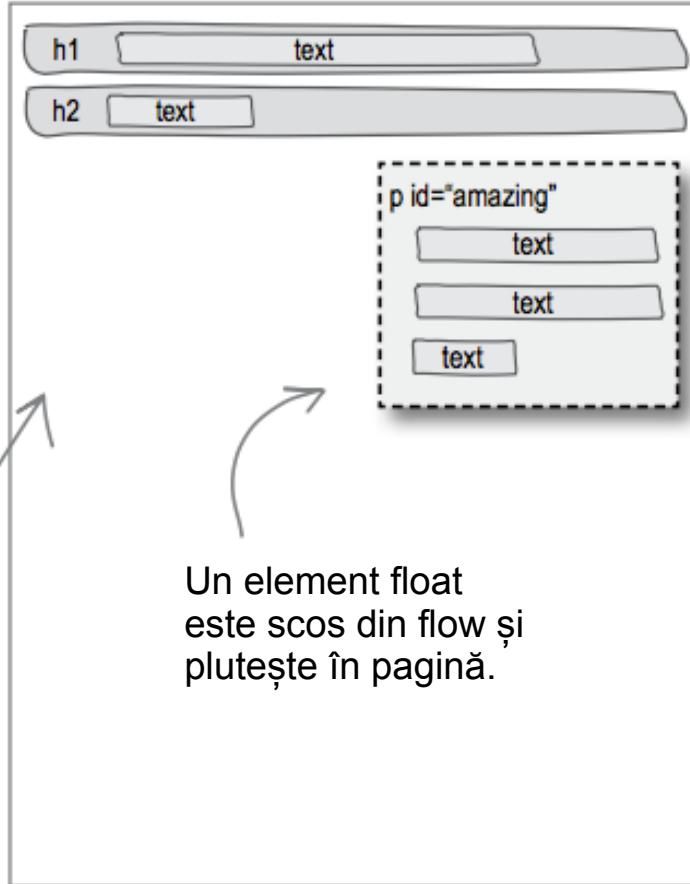
# Float

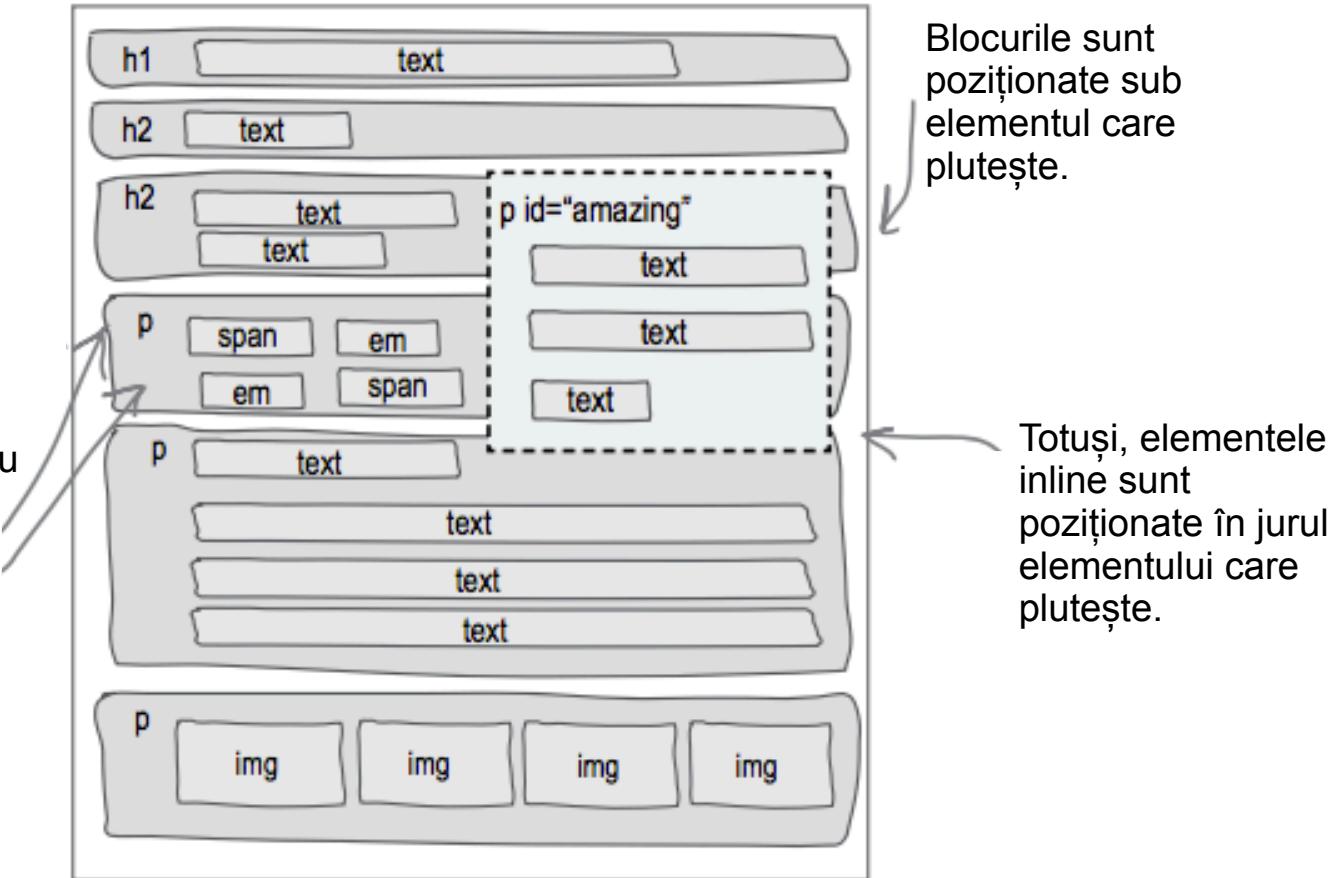


```
#amazing {  
    width: 200px;  
}
```



```
#amazing {  
    width: 200px;  
    float: right;  
}
```





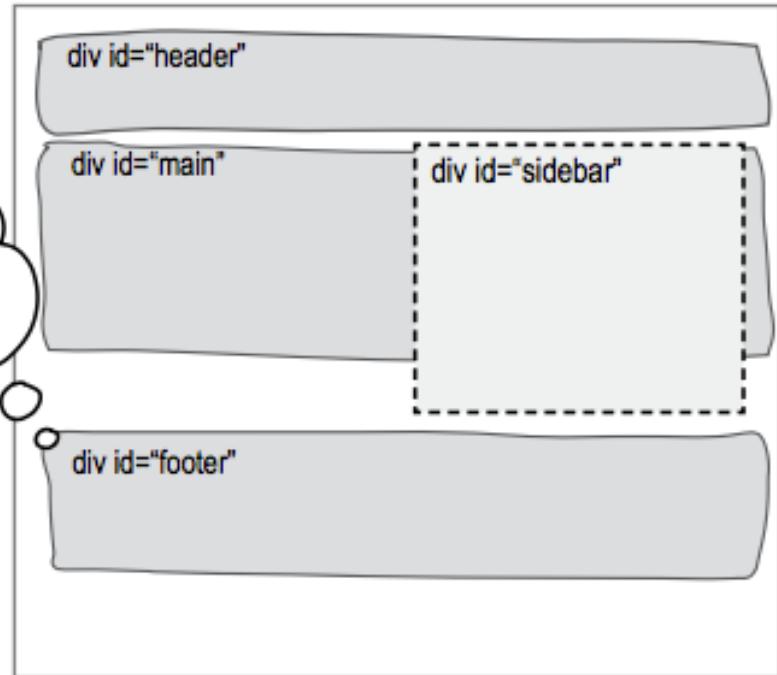


# Flow - exercițiu

[https://github.com/miezuit/html\\_css\\_training/tree/master/starbuzz-start](https://github.com/miezuit/html_css_training/tree/master/starbuzz-start)

```
#footer {  
    background-color: #675c47;  
    color: #efe5e9;  
    text-align: center;  
    padding: 15px;  
    margin: 10px;  
    font-size: 90%;  
    clear: right;  
}
```

Don't even think  
about putting a  
floating element to the  
right of me.



# Aliniere pe centru

```
#allcontent {  
    width: 800px;  
    padding-top: 5px;  
    padding-bottom: 5px;  
    background-color: #675c47;  
    margin-left: auto;  
    margin-right: auto;  
}
```



Atunci când punem margin "auto", browserul își dă seama care sunt dimensiunile corecte ale marginilor și se asigură că marginea din stânga este egală cu cea din dreapta iar conținutul este centrat față de elementul în care se află elementul nostru (elementul părinte).

# Exercițiu

float: left



float: right



margin-left: auto

margin-right: auto



Starbuzz Coffee

providing all the caffeine you need to power your life, just drink it.

**BEVERAGES**

House Blend, \$3.49  
Mocha Cafe Latte, \$2.35  
Cappuccino, \$2.89  
Chai Tea, \$1.89

**ELEXIRS**  
*We proudly serve elixirs brewed by our friends at the Head First Lounge*

Green Tea Cooler, \$2.99  
Raspberry Iced Concentration, \$2.99  
Blueberry Bliss Elixir, \$2.99  
Cranberry Antioxidant Blast, \$2.99  
Chai Chiller, \$2.99  
Black Bean Brew, \$2.99

**QUALITY COFFEE, QUALITY CAFFEINE**

At Starbuzz Coffee, we are dedicated to filling all your caffeine needs through our quality coffees and teas. Sure, we want you to have a great cup of coffee and a great coffee experience as well, but we're the only company that actively monitors and optimizes caffeine levels. So stop by and fill your cup, or order online with our new Bean Machine online order form, and get that quality Starbuzz coffee that you know will meet your caffeine standards.

And, did we mention coffee? We've just started funding the guys doing all the wonderful research at the [Coffee Bar](#). If you want the latest on coffee and other caffeine products, stop by and pay them a visit.

**OUR STORY**

"A man, a plan, a coffee bean". Okay, that doesn't make a palindrome, but it resulted in a damn good cup of coffee. Starbuzz's CEO is that man, and you already know his plan: a Starbuzz on every corner. In only a few years he's executed that plan and today you can enjoy Starbuzz just about anywhere. And, of course, the big news this year is that Starbuzz teamed up with Head First readers to create Starbuzz's Web presence, which is growing rapidly and helping to meet the caffeine needs of a whole new set of customers.

**STARBUZZ COFFEE BEVERAGES**

We've got a variety of caffeinated beverages to choose from at Starbuzz, including our House Blend, Mocha Cafe Latte, Cappuccino, and a favorite of our customers, Chai Tea.

We also offer a variety of coffee beans, whole or ground, for you to take home with you. Order your coffee today using our online [Bean Machine](#), and take the Starbuzz Coffee experience home.

© 2000, Starbuzz Coffee  
All trademarks and registered trademarks appearing on this site are the property of their respective owners.

clear: both



# Tabele

A photograph of a person's hands holding an open, aged notebook. The left page contains a table with six columns: City, Date, Temperature, Altitude, Population, and Diner Rating. The right page is blank. The hands are visible at the top and bottom edges of the notebook.

City	Date	Temperature	Altitude	Population	Diner Rating
Walla Walla, WA	June 15	75	1,204 ft	29,686	4/5
Magic City, ID	June 25	74	5,312 ft	50	3/5
Bountiful, UT	July 10	91	4,226 ft	41,173	4/5
Last Chance, CO	July 23	102	4,780 ft	265	3/5
Truth or Consequences, NM	August 9	93	4,242 ft	7,289	5/5
Why, AZ	August 18	104	860 ft	480	3/5

# Tabele

<b>City</b>	<b>Date</b>	<b>Temp</b>	<b>Altitude</b>	<b>Population</b>	<b>Diner Rating</b>
Walla Walla, WA	June 15th	75°	1,204 ft	29,686	4/5
Magic City, ID	June 25th	74°	5,312 ft	50	3/5
Bountiful, UT	July 10th	91°	4,226 ft	41,173	4/5
Last Chance, CO	July 23rd	102°	4,780 ft	265	3/5
Truth or Consequences, NM	August 9th	93°	4,242 ft	7,289	5/5
Why, AZ	August 18th	104°	860 ft	480	3/5

```
<body>
  <table>
    <tr>
      <th>City</th>
      <th>Date</th>
      <th>Temperature</th>
      <th>Altitude</th>
      <th>Population</th>
      <th>Diner Rating</th>
    </tr>
    <tr>
      <td>Walla Walla, WA</td>
      <td>June 15th</td>
      <td>75</td>
      <td>1,204 ft</td>
      <td>29,686</td>
      <td>4/5</td>
    </tr>
    <tr>
      <td>Magic City, ID</td>
      <td>June 25th</td>
      <td>74</td>
      <td>5,312 ft</td>
      <td>50</td>
      <td>3/5</td>
    </tr>
  </table>
</body>
</html>
```

The diagram illustrates the structure of an HTML table with various annotations:

- Annotations:**
  - A curved arrow points from the opening `<table>` tag to the first row (`<tr>`).
  - A dotted arrow points from the `<th>Date</th>` header to the second column of the first row.
  - A curved arrow points from the closing `</table>` tag to the last row (`<tr>`).
  - A dotted arrow points from the `<td>August 9th</td>` cell to the second column of the last row.
- Table Structure:**

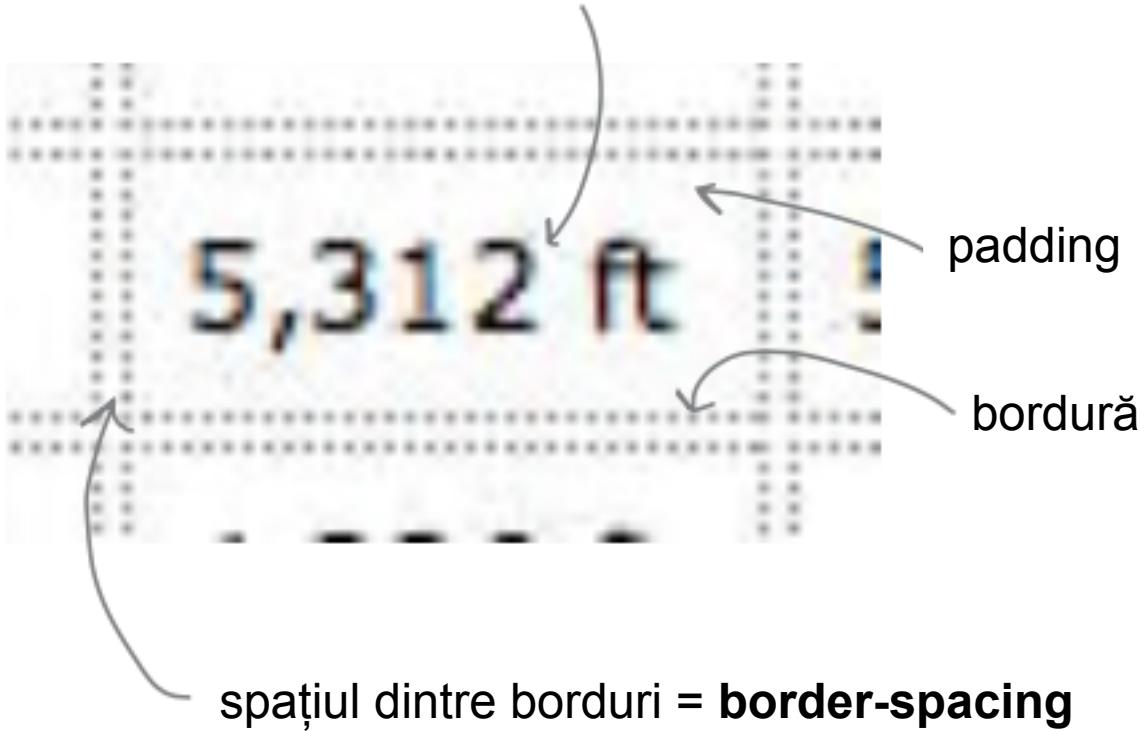
City	Date	Temp	Altitude	Population	Diner Rating
Walla Walla, WA	June 15th	75°	1,204 ft	29,686	4/5
Magic City, ID	June 25th	74°	5,312 ft	50	3/5
Bountiful, UT	July 10th	91°	4,226 ft	41,173	4/5
Last Chance, CO	July 23rd	102°	4,780 ft	265	3/5
Truth or Consequences, NM	August 9th	93°	4,242 ft	7,289	5/5
Why, AZ	August 18th	104°	860 ft	480	3/5

# Tabele

```
table {  
    margin-left: 20px;  
    margin-right: 20px;  
    border: thin solid black;  
    caption-side: bottom;  
}  
  
td, th {  
    border: thin dotted gray;  
    padding: 5px;  
}  
  
caption {  
    font-style: italic;  
    padding-top: 8px;  
}
```

stilul css pentru tabele

conținut



spațiul dintre borduri = **border-spacing**

# Tabele

```
table {  
    margin-left: 20px;  
    margin-right: 20px;  
    border: thin solid black;  
    caption-side: bottom;  
    border-collapse: collapse;  
}
```

bordurile se contopesc



# Stilul listelor

```
li {  
    list-style-type: disc;  
}  
  
li {  
    list-style-image: url(images/backpack.gif);  
    padding-top: 5px;  
    margin-left: 20px;  
}
```

# Formulare

Completezi  
formularul și  
îl trimiți

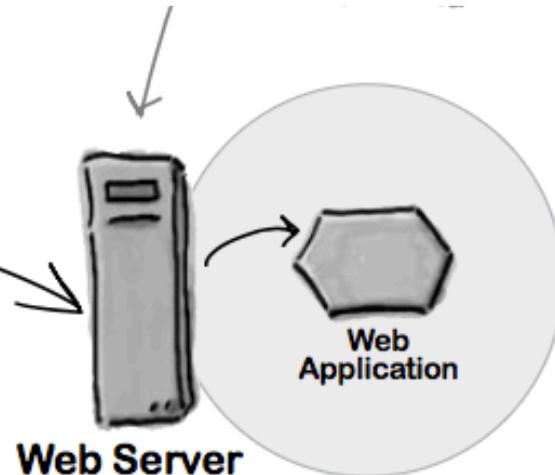
1



Browserul  
împachatează  
formularul și îl trimite  
către un server

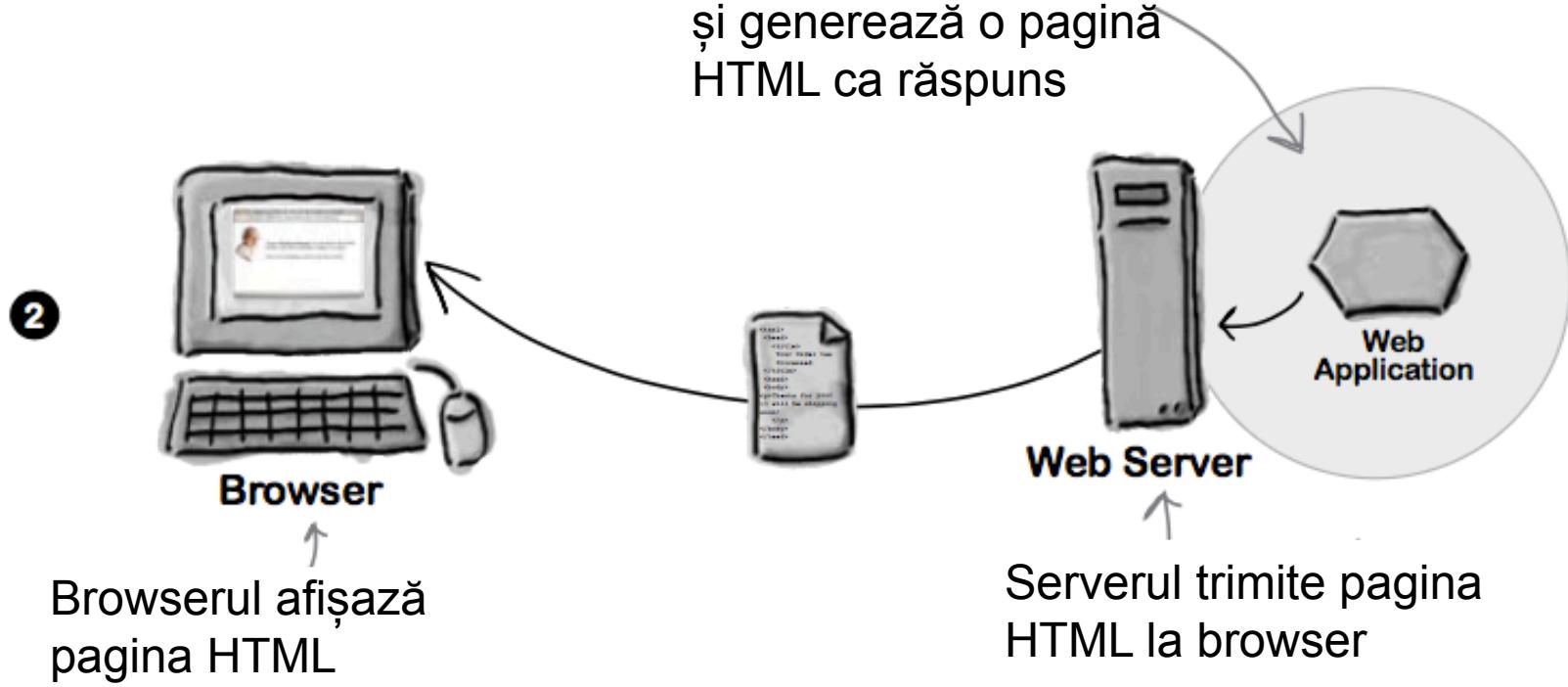


Serverul primește  
formularul și îl trimită  
la o aplicație web  
PHP pentru procesare



# Formulare & pagini dinamice

Aplicația PHP  
procesează formularul  
și generează o pagină  
HTML ca răspuns



**A** Just type in your name (and click Submit) to enter the contest: <br />

**B** First name: <input type="text" name="firstname" value="" /> <br />

**C** Last name: <input type="text" name="lastname" value="" /> <br />

**D** <input type="submit" />

</p>

</form>

We've got the <form> element itself.

And a bunch of elements nested inside it.

**A**

Just type in your name (and click Submit) to enter the contest:

**B**

First name:

**C**

Last name:

**D**

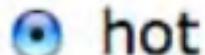
# Formulare

```
<input type="text" name="fullname" /> Name: Buckaroo Banzai
```

```
<input type="submit" />
```

Submit

```
<input type="radio" name="hotornot" value="hot" />
```



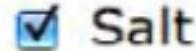
hot

```
<input type="radio" name="hotornot" value="not" />
```



not

```
<input type="checkbox" name="spice" value="salt" />
```



Salt

```
<input type="checkbox" name="spice" value="pepper" />
```



Pepper

```
<input type="checkbox" name="spice" value="garlic" />
```



Garlic

# Formulare

## Customer feedback:

I love my new Mini Cooper! I got the red, sporty model, and I've been zipping around town like there's no tomorrow. And, my new iPod fits perfectly in the dash drink holder. Of course, now everyone else wants one, too.

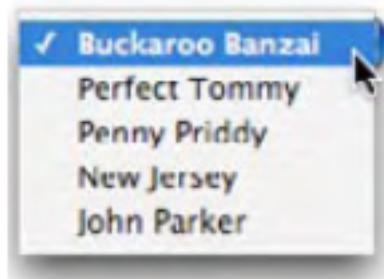
rows

cols

```
<textarea name="comments" rows="10" cols="48"></textarea>
```

# Formulare

```
<select name="characters">
    <option value="Buckaroo">Buckaroo Banzai</option>
    <option value="Tommy">Perfect Tommy</option>
    <option value="Penny">Penny Priddy</option>
    <option value="Jersey">New Jersey</option>
    <option value="John">John Parker</option>
</select>
```



# Noi tipuri de input in HTML 5

- search
- email
- url
- tel
- number
- range
- date
- month
- week
- time
- datetime
- datetime-local
- color

Number:

Date:

Color:

Range:

# Formulare exercițiu:

Choose your beans:

- House Blend
- Shade Grown Bolivia Supremo
- Organic Guatemala
- Kenya

Type:

- Whole bean
- Ground

Extras:

- Gift wrap
- Include catalog with order

Ship to:

Name:

Address:

City:

State:

Zip:

**Order Now**

# Implementați în HTML & CSS:

## Blog Idea #35

### Cool Sites Blog

I saw this type of posts (not blogs) while browsing stumbleupon and must say this is very viral topic idea.

Collect less known or unknown, but useful sites and create a blog listing them. Your blog will get millions of visitors from just Stumbleupon.com

[www.blogsked.com](http://www.blogsked.com)

## KEEP.IT.SIMPLE.



### Wait, what?

Wait a minute, I said I wanted simple, but not boring. What is up with this design? There's nothing on it but white space and some text and a minimal picture. That's not what I had in mind. The type is all in Helvetica, which I like, but it doesn't excite me at all. There is just no character to anything here. It has a minimal look, but it's just too vanilla. I really need something to grab the attention of a visitor to the site and this just doesn't do it.

# Exercițiu

Your Logo Using a single layout to create several different looks.

Home | About | Services | Contact Us



## About

And then some plain text would go in here saying something about the section we're in. Probably some glowing statement about the company or whatever.

- [About Us](#)
- [How We Work](#)
- [Testimonials](#)
- [Contact Support](#)

## How We Work

Morbi non dui. Aenean ionim titor, placentia, blandit aliquam, hendrerit nec, velit. Praesent et pede. Etiam non tellus. Fusce adipisicong. Nunc varius commodo enim. In hac habitasse platea dictumst.

Cuisque portitor, pede non nratum mollis, ante dui semper libero, eu placent magna dolor at odio. In mollis. Nullam vehicula rhoncus ante. Vivamus vehicula velit ac nich. Curabitur eget justo at lupus elementum dapibus.

Praesent bibendum mauris. In sed elit. Aenean septem mauris, commodo sit amet, laoreet sed, sodales vel, est. Nunc ut odio.

Curabitur justo tellus, faucibus quis, vehicula vitae, vulputate a, massa. Morbi tempus ullamcorper volt. Donec vito est. Mauris suscipit venenatis perut. Suspenisse sed toror a mi egestas pretium. Cuisque nec massa ac pede auctor aliquam. Pellentesque tincidunt neque nec arcu.

# Ce ați învățat?

- Div
- Span
- Flow
- Box model
- Float
- Tabele
- Formulare



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