
INTRO TO CODING: HTML + CSS

WELCOME TO INTRO TO CODING!

- › Visit the dashboard and keep it open:

[Google drive materials](#)

INTRO TO CODING

INTRO TO CODING: HTML + CSS

LEARNING OBJECTIVES

- Describe the role of HTML, CSS and JavaScript in web development.
- Use HTML to add structure to a basic webpage
- Use CSS to add styles to a webpage
- Describe the various opportunities to continue learning web-development

AGENDA

HTML, CSS and JavaScript

Intro to HTML

Intro to CSS

Next Steps

HTML, CSS & JAVASCRIPT

FRONT END IS MADE UP OF...

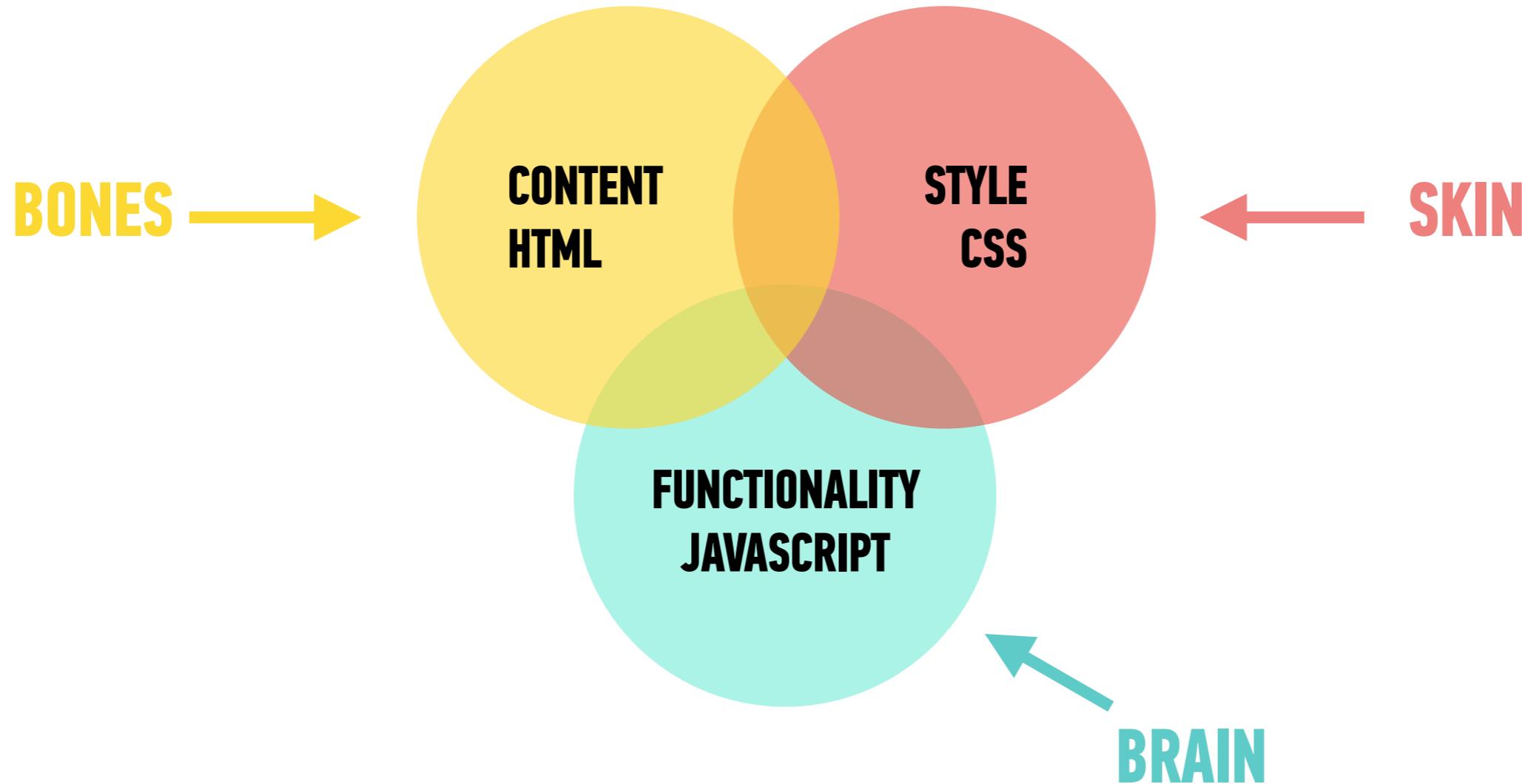
HTML

CSS

JavaScript



THE THREE AMIGOS: STRUCTURE, STYLE, BEHAVIOR



ACTIVITY: DISTINGUISH BETWEEN HTML, CSS, AND JS



DIRECTIONS

Fill in each of the blanks with HTML, CSS or JavaScript

1. Visit uber.com.
2. The words “Get there, Your day belongs to you” appears due to _____?
3. The reason for which “Become a driver” has a black background is _____?
4. Hover over the button “Become a driver” in the navigation menu. That background color change is most likely due to _____?
5. Click on the button three bar hamburger icon in the navigation menu. That interaction is most likely due to _____?

INTRO TO HTML

WHAT IS HTML?

≡ SECTIONS Q SEARCH U.S. INTERNATIONAL 中文 LOG IN ⚙

The New York Times

Monday, January 5, 2015 | Today's Paper | Video | 36°F | Dow -1.80% ↓

World U.S. Politics New York Business Opinion Technology Science Health Sports Arts Style Food Home Travel Magazine Real Estate ALL

New York City Police Sharply Cut Arrests for a Second Week

By J. DAVID GOODMAN and AL BAKER 53 minutes ago

Police officers arrested less than half as many people and wrote more than 90 percent fewer summonses than in the same period a year ago, building on a drastic drop in activity that began shortly after the murder of two uniformed patrol officers.

108 Comments

Republicans Say They'll Act Fast to Push Their Agenda

By CARL HULSE

Eager to show that it can govern well, the Republican Party that takes control of Congress beginning Tuesday is likely to begin by trying to quickly advance energy and health care legislation.

830 Comments

Afghan Cares for the Living by Carrying the Dead

By AZAM AHMED 12:07 PM ET

Malik Abdul Hakim, who has lost two sons, is revered for collecting and returning the bodies of both Taliban and government casualties.

Home Schooling: More Pupils, Less Regulation



Fred R. Conrad/The New York Times

Bess Myerson, a Beauty Queen Who Reigned in Politics, Dies

Ms. Myerson, the first Jewish Miss America, was one of a select group of American figures to parlay pop culture celebrity into positions of public influence. She was 90.

By ENID NEMY and WILLIAM McDONALD

The Opinion Pages

When Skepticism Counts

Novelist David Baldacci and others on the role of conspiracy theories in society.

- Editorial: Race and Voting Rights in Ferguson
- OP-ED COLUMNISTS
- Blow: Privilege of 'Arrest Without Incident'
- Krugman: Presidents and the Economy

The Central Crisis in New York Education

By THE EDITORIAL BOARD

New York, which regards itself as a bastion of liberalism, has the most racially and economically segregated schools in the nation.

- Editorial: Shifting Politics on the Death Penalty
- Op-Ed: Losing the Fight Against Tuberculosis

Watching

now A Judge in Wisconsin ordered a trial for **Dustin Diamond**, best known as Screech from "Saved by the Bell," on charges stemming from a bar fight on Christmas night.



Milwaukee Journal Sentinel ↗

22m Markets tumbled in Europe and the U.S. as the declining price of oil sent ripples around the world.

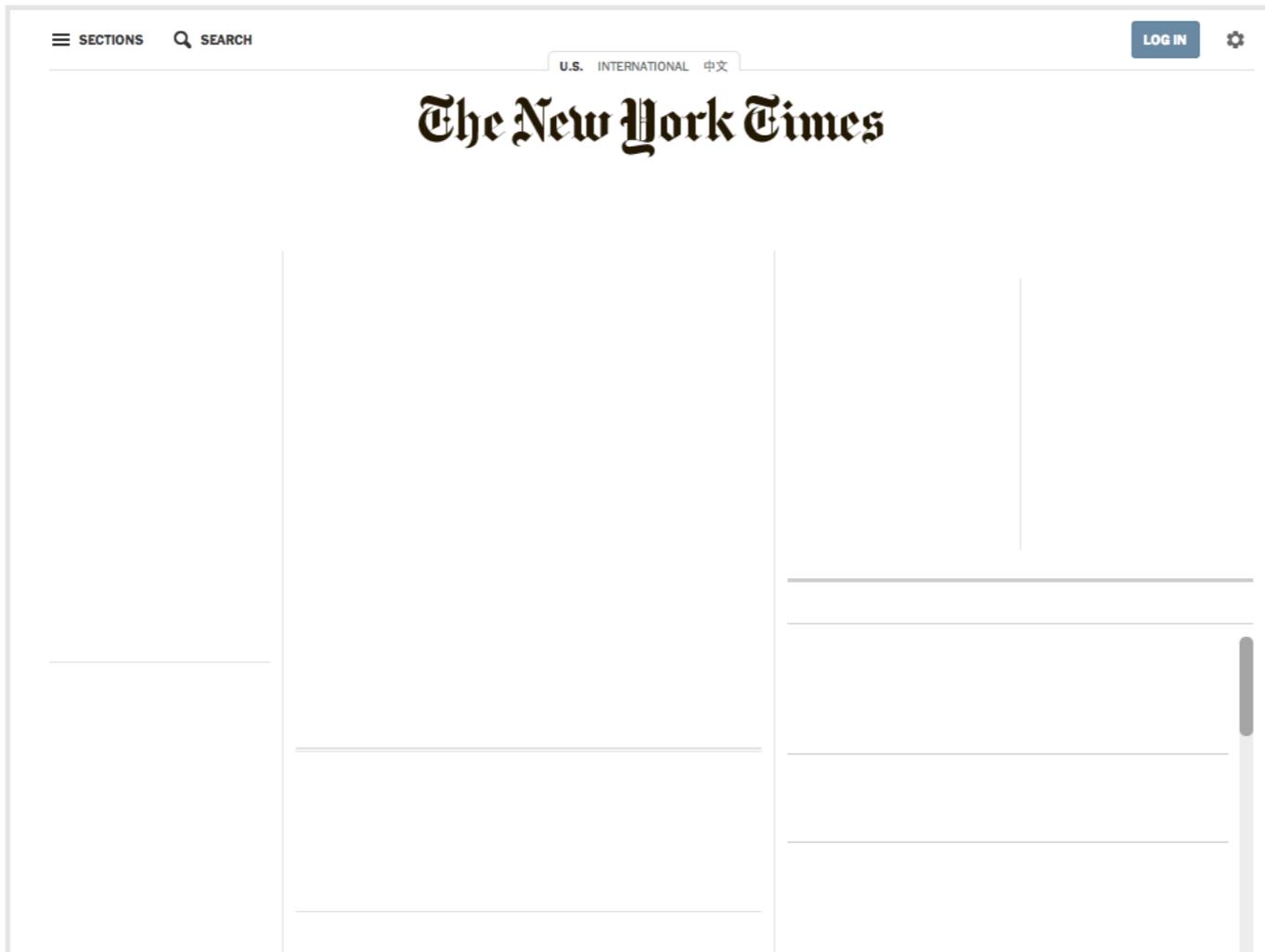
The New York Times

25m **Gov. Jerry Brown**, already California's longest-serving governor, will be sworn in Monday for his fourth term. He has said he aims to shore up the state's fiscal turnaround.



The Los Angeles Times ↗

WHAT IS HTML?



WHAT IS HTML?



The screenshot shows the front page of The New York Times website. At the top, there is a navigation bar with 'SECTIONS' and a search icon. Below the navigation is a language selector with 'U.S.', 'INTERNATIONAL', and '中文' (Chinese). On the right side of the header are 'LOG IN' and a gear icon.

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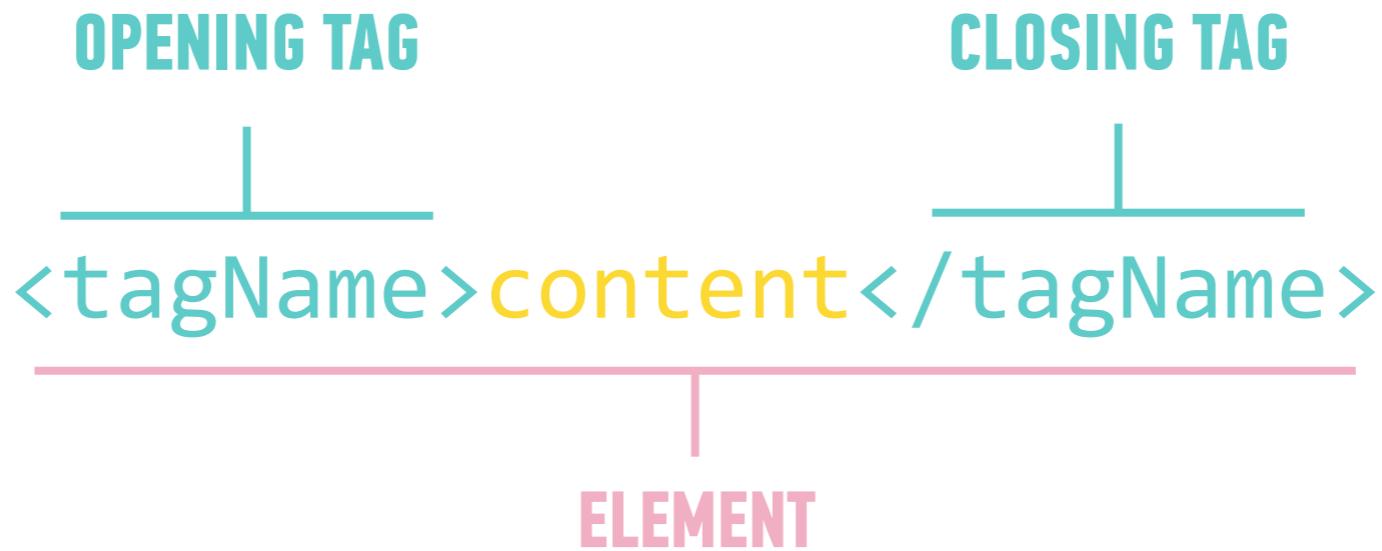
HTML : HYPER TEXT MARKUP LANGUAGE

- HTML is made up of tags
- Tags = < >
- Tags tell the browser how to format content
- e.g Will the content be formatted as an image or as a link?

<h1>Hello World!</h1>



HOW DO I WRITE HTML?



FRONT END

GUIDED PRACTICE

THE IMAGE TAG

My First Website

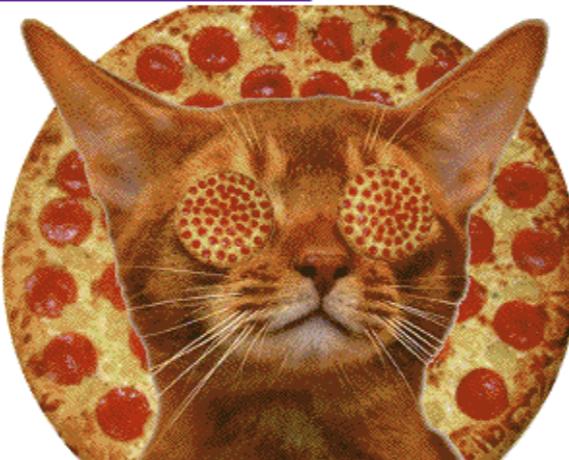
This is my first paragraph ever. Isn't it grand?

About this awesome website

Here are some of the elements used on this site:

1. Headings
2. Paragraphs
3. Lists

[Visit this awesome website](#)



STRUCTURAL TAGS — HEADINGS & PARAGRAPHS

ELEMENT	DESCRIPTION	EXAMPLE
h1	Main headings	<code><h1>The Explorer</h1></code>
h2 - h6	Subheadings	<code><h2>Articles</h2></code>
p	Paragraph of text	<code><p>This is a really cool site.</p></code>

STRUCTURAL TAGS — HEADINGS & PARAGRAPHS

My First Website

This is my first paragraph ever. Isn't it grand?

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Here are some of the elements used on this site:

STRUCTURAL TAGS — LISTS

```
<ul>
  <li>Avocados</li>
  <li>Tortilla Chips</li>
  <li>Pepper Jack Cheese</li>
</ul>
```

- Avocados
- Tortilla Chips
- Pepper Jack Cheese

```
<ol>
  <li>Learn to code</li>
  <li>Take over the world</li>
</ol>
```

1. Learn to code
2. Take over the world

STRUCTURAL TAGS — UNORDERED LISTS

ELEMENT	DESCRIPTION	EXAMPLE
ul	Unordered List	<pre> Monday Tuesday Wednesday </pre>
li	List Item	

STRUCTURAL TAGS — HEADINGS & PARAGRAPHS

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ATTRIBUTES — EXAMPLE

```
<pizza crust="thin" toppings="pepperoni"></pizza>
```

ANCHORS (LINKS TO OTHER PAGES)

Users can click on anything between the opening and closing `<a>` tags.

`<a>Amazon`



CLICKABLE TEXT

ANCHORS (LINKS TO OTHER PAGES)

There is one **required** attribute - **href** (hyperlink reference)

```
<a href="">Amazon</a>
```



HREF ATTRIBUTE:

GOES IN OPENING TAG

ANCHOR

The **href** attribute is how you specify where the link should take the user

```
<a href="http://www.amazon.com">Amazon</a>
```



PAGE THE LINK TAKES
YOU TO

THE IMAGE TAG

```

```

PATH TO IMAGE FILE INCLUDING HTTP OR HTTPS

TEXT DESCRIPTION

HTML CODE-ALONG

SOLUTION FOR EXERCISE 1

HTML

LAB — PART 1

ACTIVITY: PRACTICE WRITING HTML



DIRECTIONS

1. Open the [exercise 2 screenshot](#)

ACTIVITY: PRACTICE WRITING HTML



SOLUTION CODE

1. HTML Solution: [link](#)

INTRO TO CSS

CSS

CSS BASICS

WHAT IS CSS?

We use CSS to add *styles* to the HTML elements on our page.

What we are styling
(selector)



```
p {  
    color: blue;  
    font-size: 20px;  
    font-style: italic;  
}
```



Styles!

COLOR

PROPERTY	VALUE	DESCRIPTION	EXAMPLE
color	color	Text color	color: #22475E;
background-color	color	Background color	background-color: green;

Muir Woods

Keffiyeh next level retro, brunch *sriracha* dreamcatcher mixtape jean shorts XOXO master cleanse keytar **Kickstarter**. Neutra kale chips Vice health goth ethical, flannel single-origin coffee stumptown meditation Kickstarter mumblecore yr cronut master cleanse keytar.

```
body {  
  background-color: #22475E;  
}
```

Muir Woods

Keffiyeh next level retro, brunch *sriracha* dreamcatcher mixtape jean shorts XOXO master cleanse keytar **Kickstarter**. Neutra kale chips Vice health goth ethical, flannel single-origin coffee stumptown meditation Kickstarter mumblecore yr cronut master cleanse keytar.

```
h1, p {  
  color: #98D2BF;  
}
```

DEFAULT TEXT STYLES & BACKGROUND-COLOR

```
body {  
    background-color: #22475E;  
    color: #0D2C40;  
}
```

COLOR

MY FIRST WEBSITE

HTML and CSS Rule!



DEVELOPER'S CREED

Repeat this three times each night before you go to sleep.

"This is my website. There are many like it, but this one is mine. My website is my best friend. It is my life. I must master it as I must master my life. Without me my website is useless. Without my website I am useless."

STEPS TO CREATE A BASIC WEBPAGE:

1. Add structure using HTML
2. Add styles using CSS

THIS SITE WAS BUILT USING:

- HTML
- CSS

[Facebook](#) | [Twitter](#) | [Instagram](#)

Made with ♥ by Brainster

TYPEFACE TERMINOLOGY — PART 1

PROPERTY	VALUES	EXAMPLE
text-align	left, center, right, justify	text-align: center;
text-transform	uppercase, lowercase, capitalize	text-transform: uppercase;
text-decoration	none, <u>underline</u>	text-decoration: underline;
letter-spacing	px value	letter-spacing: 1px;

COLOR

MY FIRST WEBSITE

HTML and CSS Rule!

TYPEFACE TERMINOLOGY — PART 2

PROPERTY	VALUES	EXAMPLE
font-weight	normal, bold	font-weight: bold;
font-style	regular, italic	font-style: italic;
font-size	px value	font-size: 20px;

COLOR



40px — **MY FIRST WEBSITE**

25px — **HTML and CSS Rule!**

The image shows a solid green rectangular box. Inside the box, the text "MY FIRST WEBSITE" is centered in a large, bold, dark blue font. Below it, the text "HTML and CSS Rule!" is also centered in a smaller, bold, dark blue font. Two black horizontal lines extend from the left side of the image towards the text. The top line starts at the top of the first line of text ("MY FIRST WEBSITE") and ends under the word "WEBSITE". The bottom line starts at the top of the second line of text ("HTML and CSS Rule!") and ends under the word "Rule!". The text "40px" is positioned to the left of the top line, and the text "25px" is positioned to the left of the bottom line.

FONT FAMILY

PROPERTY	VALUES	EXAMPLE
font-family	"font name", sans-serif, serif	font-family: "Georgia", serif;

Arial Georgia

- We can provide a comma-separated list for the value.
- The browser will display the first font that is installed on that computer.

GOOGLE FONTS

Web font services — like Google Fonts — allow us to ensure that all users can see the same font.

1. Visit the link to Google Fonts on the dashboard
2. Click the tab that pops up at the bottom:



3. Click the "Embed" tab and @import
4. Copy the import code and paste it in your CSS file

```
body {  
    font-family: 'Raleway';  
}
```

```
p {  
    font-family: 'Lato';  
}
```

COLOR

Default font: "Raleway", sans-serif;

MY FIRST WEBSITE

HTML and CSS Rule!



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CSS

LAB — PART 2

CODING 101 : HTML + CSS

REFERENCE PAGES:

- Mozilla Developer Network
- W3Schools
- CSS Tricks

ACTIVITY: PRACTICE WRITING CSS



SOLUTION CODE

1. Basic version: [link](#)
2. Advanced version: [link](#)

NEXT STEPS

ACTIVITY: AFTER CLASS YOU CAN...



DIRECTIONS

1. Go to [link](#)
2. There are 5 projects available to you that cover what we went over and more.

INTRO TO CODING : HTML + CSS

MORE WORKSHOPS AND EVENTS

Академија за Web програмирање Академија за Android програмирање Академија за iOS програмирање Академија за Front End Програмирање



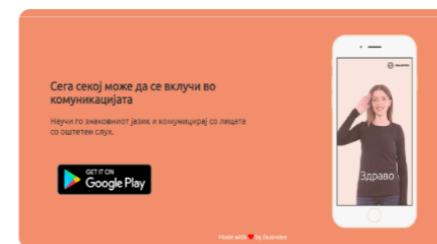
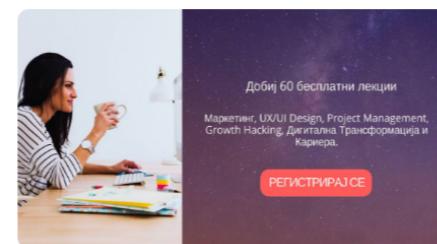
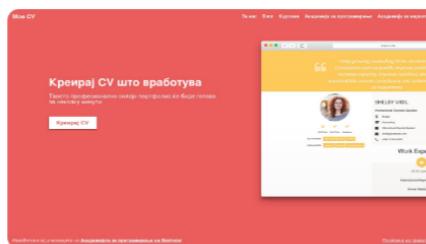
ДОМА ПРОГРАМА ЗА НАС АПЛИЦИРАЈ

АКАДЕМИИ ЗА ПРОГРАМИРАЊЕ

35 и 26 неделни програми за почетници преку кои ќе станеш програмер со работа на 3 реални апликации

→ АПЛИЦИРАЈ

Последните 3 проекти на нашите студенти



THANKS!