Assignment 2 – Styling Your Famous City Web Page with CSS

Course: Web Foundations

Weight: 15%

Total Marks: 120

Tools: Visual Studio Code, Git, GitHub, GitHub Pages

Objective

In this assignment, you will apply CSS to style your existing index.html page from Assignment 1 according to a predefined set of layout and design rules to visually enhance the layout and improve user experience. The purpose is to demonstrate your ability to interpret and implement CSS specifications and clearly show your understanding by commenting your CSS code. The design and colour scheme are your choice, but you must follow the requirements outlined below. Ensure you are starting with HTML code that met the requirements of assignment 1.

This is a prescriptive assignment. You must match the specifications exactly. You are expected to figure out how to implement each rule based on what we've covered in class. Your CSS comments will show your reasoning and understanding.

Important Note on Academic Integrity

Avoid using template code or AI-generated snippets. Write all code yourself. For Assignment 2, if I suspect the use of AI, an academic integrity incident will be filed. You are not permitted to use AI in any way for this assignment. For help, consult W3Schools or your course notes.

Instructions

You will style a webpage using the following CSS requirements. For each rule, you must:

- Implement the correct CSS.
- Add a descriptive comment explaining what the rule is doing and why it's used.
- Match the syntax and structure expectations demonstrated in class.

Assignment Requirements

Best Practices (10 marks)
- Link the provided CSS files to your index.html in the correct order.
- Do not add anything extra
- Apply consistent indentation and formatting in both HTML and CSS files.
- Add a CSS comment at the top of your styles.css file with your full name and student number.
- Use at least five different types of selectors - Provide in CSS comment to describe the type of selector you are using.
- Avoid styling the same element more than once. Group selectors where appropriate to reduce redundancy and follow DRY (Don't Repeat Yourself) principles.

Root Element + Body (2mark)
- Style the root HTML element using the font shorthand property. (You must have all 6 properties defined. Include the font size as 20px.
- Set a background-color for the entire page.

Body element (3 marks)
- Apply max width using absolute units (px), center content with margin
- Apply padding and a border – use rem units
- Set a background-color for the entire page.

Page Layout using Floats (5 marks)
- Add padding to main, aside using rem units
- Use floats to position main and aside beside each other in a 70/30 layout. (you will need to adjust widths to accommodate the box model.) Use % as the unit.
- Ensure the footer has clear property.

Header & Footer Styling (5 marks)
- Increase the font size of the header and change the colour.
- Decrease the font size of the footer.
- Apply a gradient background to both.
- Center the text
- Apply style to the section heading to adjust the colour and typography (font variant, style, weight, family, and colour) and align them.

Blockquote (5 marks)
- Set the font-style to italic to visually indicate quoted text.
- Add a light background color.
- Add internal padding for spacing inside the block using rem units.
- Add a left border (border-left) to emphasize the quote visually use rem units.

- Set width using % and use margin to center the blockquote and create space around it.
- Add a subtle box-shadow to lift it slightly off the page.

Figure + Figcaption + Image (8 marks)
- Add a border to the figure element and a radius (use rem units)
- Apply padding (use rem units)
- Set a background colour for the figure element
- For the img change the display property to block, add a border and a border radius using rem units
- Remove html size attribute and set the size in css use % units and use margin to center
- Decrease the figcaption font size and adjust the variant to small caps

iFrame (2 marks)
- Set a border using rem units
- Change the display to block and center using margin
- Remove html width attribute and set the size in css use % units

Quote (5 marks)
- Add border – set colour width and style to the section element (rem units)
- Add a box shadow to the section element – add blur, radius and a colour (use rem units)
- Decrease the width of the section using % units
- Change the font family and style and colour
- Add padding
- Center the contents using the margin

List + Links (10 marks)
- Remove underline from links add the underline back for hover, change color for each link state: link, visited, hover, active.
- Remove bullets and padding from ul.

Table (10mark)
- Make table full-width, collapse borders, set bottom margin use rem units.
- <th> Align text left, change the font weight and variant and colour and set a background colour
- <td>set padding and borders use rem units
- Alternate row colors with nth-child, and highlight rows on hover.

Form (5 marks)
- Style .form-label apply font variant, weight and colour
- Style .form-control with padding, border, rounded corners, and spacing
- Adjust widths so that all form controls are the same width – use rem units

Responsive Design (5 marks)

- Use a media query to adjust the layout and styles for smaller screens:
  - Decrease html element font size
  - Remove floats
  - Adjust widths, alignment, and spacing to all elements required to be visually appealing

Accessibility (5 marks)

Run a contrast test in Firefox Developer Tools and include a screenshot with a clear label. Ensure text, backgrounds, and interactive elements meet minimum contrast requirements. Ensure the screenshot demonstrates the test is being run.

Publishing (5 marks)

- Provide a screenshot of your GitHub commit history showing version control activity.
- Include a working link to your published GitHub Pages site.

Deliverables + Submitting:

- Screen shot of GitHub activity and accessibility colour contrast I one pdf (DO not put inside zip folder)
- Link to your live website – put in the comments of the eConestgoa Dropbox
- Submit a compressed .zip of your full project folder (code only – screenshots submitted separately).

Athens

City Overview

Athens is one of the most famous cities in the world. It is the capital city of Greece and the most important financial, industrial, maritime, political, and cultural center of the country. It is also one of the world's oldest cities while also being Europe's oldest continuously functioning capital.[2] Scholars disagree on whether the city is named for the goddess Athena, or the goddess for the city. Athens has a population of about 4 million people and is growing. It is in the prefecture, or division of the country, of Attica. Its port, Piraeus, is the largest passenger port in Europe, and the second-largest port in the world. Athens has a borderline cold semi-arid climate (BSk in the Köppen climate classification) and a hot-summer Mediterranean climate (Csa in the Köppen climate classification). The average rainfall is relatively low, due to the rain shadow from the Parnitha mountains. Frost is infrequent and snow does not occur every winter.

Athens by Moonlight

THE ACROPOLIS OF ATHENS GLOWING UNDER THE FULL MOON — A TIMELESS SYMBOL OF ANCIENT GREEK CIVILIZATION.

Words About Athens

"Athens, the eye of Greece, mother of arts and eloquence." – John Milton

Watch: Explore Athens

Explore More About Athens

Visit Athens - Official Tourism Site
Athens on Wikipedia
Athens Events Calendar

Quick Facts About Athens

FACT	DETAILS
Country	Greece
Population	Approximately 3.1 million (metro area)
Time Zone	Eastern European Time (EET, UTC+2)
Founded	5th century BC

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