Assignment Activity Unit 2

Department of Computer Science, UoPeople

CS 2205-01 - AY2025-T3

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I’ve uploaded the source codes in the github repo.   
Repo link: <https://github.com/amm926616/CS-2205-01-Web-Programming-1---AY2025-T3/tree/main/unit2>

# 1. Homepage (homepage.html)

The homepage is the main landing page, showcasing interactive elements like number blocks and a nested list.

# Key HTML Elements

* Header (h1)
  + Displays the website's title.
* Number Blocks (.number-blocks and .number-block)
  + These are interactive colored blocks that respond to user interactions.
* Nested List (.nested-list)
  + A list that is initially hidden and can be revealed dynamically.
* Attraction Information (.attraction-info)
  + Displays details about famous travel destinations such as the Eiffel Tower and the Colosseum.

# 2. Travel Stores (travel-stores.html)

The travel-stores.html page likely features a table with travel stories, showcasing different travel experiences with images.

# Key HTML Elements

* Table (table)
  + Displays travel-related data in an organized tabular format.
* Table Rows and Columns (th, td)
  + Defines the structure of the table, where th represents the headers and td holds the content.
* Images (img)
  + Used to display travel photos, with a hover effect that changes opacity.

# 3. CSS Styles Explanation

The CSS file (style.css) controls the appearance of both pages.

# General Styles

css

CopyEdit

body {

font-family: Arial, sans-serif;

margin: 0;

padding: 20px;

background-color: #f4f4f4;

}

* Sets the font to Arial for a clean look.
* Adds padding and a light-gray background.

# Header Styles

css

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h1 {

text-align: center;

color: #333;

}

* Centers the heading (h1) and colors it dark gray.

# Homepage Styles

# Number Blocks

css

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.number-blocks {

display: flex;

justify-content: center;

gap: 20px;

margin-top: 20px;

}

* Uses Flexbox to center the blocks.
* Adds spacing (gap: 20px).

css

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.number-block {

width: 100px;

height: 100px;

display: flex;

justify-content: center;

align-items: center;

font-size: 24px;

font-weight: bold;

color: white;

cursor: pointer;

border-radius: 10px;

transition: transform 0.3s ease;

}

* Defines square blocks (100x100px).
* Centers the text inside each block.
* Applies rounded corners (border-radius: 10px).
* Adds a hover effect that slightly enlarges the block (scale(1.1)) when hovered.

css

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.number-block:hover {

transform: scale(1.1);

}

* Hover Effect: The block enlarges smoothly when hovered.

# Number Block Colors

css

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#block1 { background-color: #ff6f61; }

#block2 { background-color: #6b5b95; }

#block3 { background-color: #88b04b; }

#block4 { background-color: #ffa500; }

* Assigns unique background colors to each block.

# Nested List

css

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.nested-list {

display: none;

margin-top: 20px;

}

* Initially hidden (display: none;) until triggered by JavaScript.

css

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.nested-list h2 {

color: #333;

}

* Dark gray text color for the nested list title.

css

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.nested-list ol {

color: #555;

}

.nested-list ul {

color: #777;

list-style-type: square;

}

* Ordered (ol) and unordered (ul) lists have different shades of gray.
* The unordered list uses square bullets.

# Travel Stores Styles

# Table Styling

css

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table {

width: 100%;

border-collapse: collapse;

margin-top: 20px;

}

* Makes the table full-width (100%).
* Collapses borders for a clean look.

css

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table, th, td {

border: 2px solid #333;

}

* Borders around table elements (th, td).

css

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th, td {

padding: 10px;

text-align: center;

}

* Padding for readability and center alignment.

css

CopyEdit

th {

background-color: #333;

color: white;

}

* Table headers (th) have a dark background with white text.

css

CopyEdit

tr:nth-child(even) {

background-color: #f2f2f2;

}

* Zebra striping for alternating row colors.

css

CopyEdit

tr:hover {

background-color: #ddd;

}

* Hover effect: Row background turns light gray.

# Image Styles

css

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img {

width: 150px;

height: auto;

border-radius: 10px;

transition: opacity 0.3s ease;

}

* Images are resized (width: 150px) while keeping their aspect ratio.
* Rounded corners (border-radius: 10px).
* Smooth opacity change (transition: opacity 0.3s ease).

css

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img:hover {

opacity: 0.7;

}

* Hover effect: The image fades slightly.

# Attraction Info Box

css

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.attraction-info {

margin-top: 50px;

padding: 20px;

background-color: white;

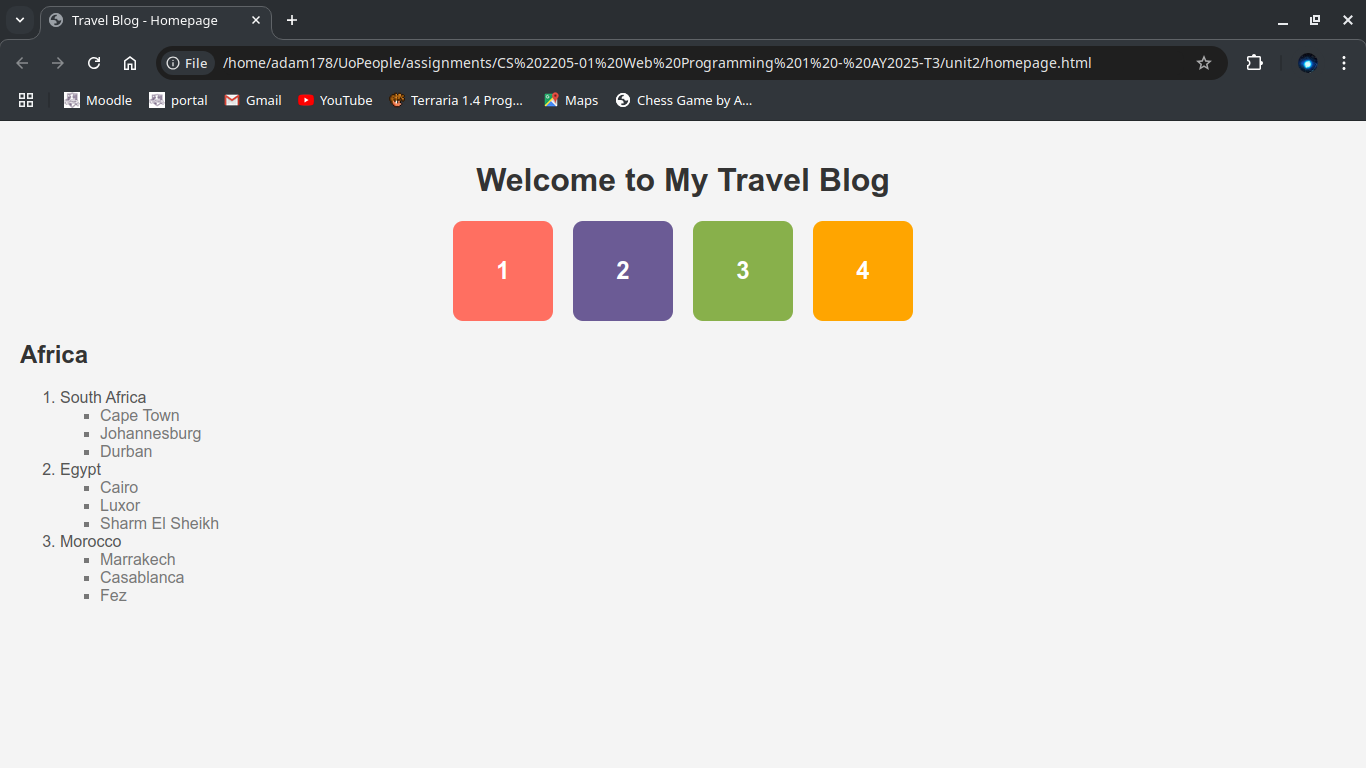
border-radius: 10px;

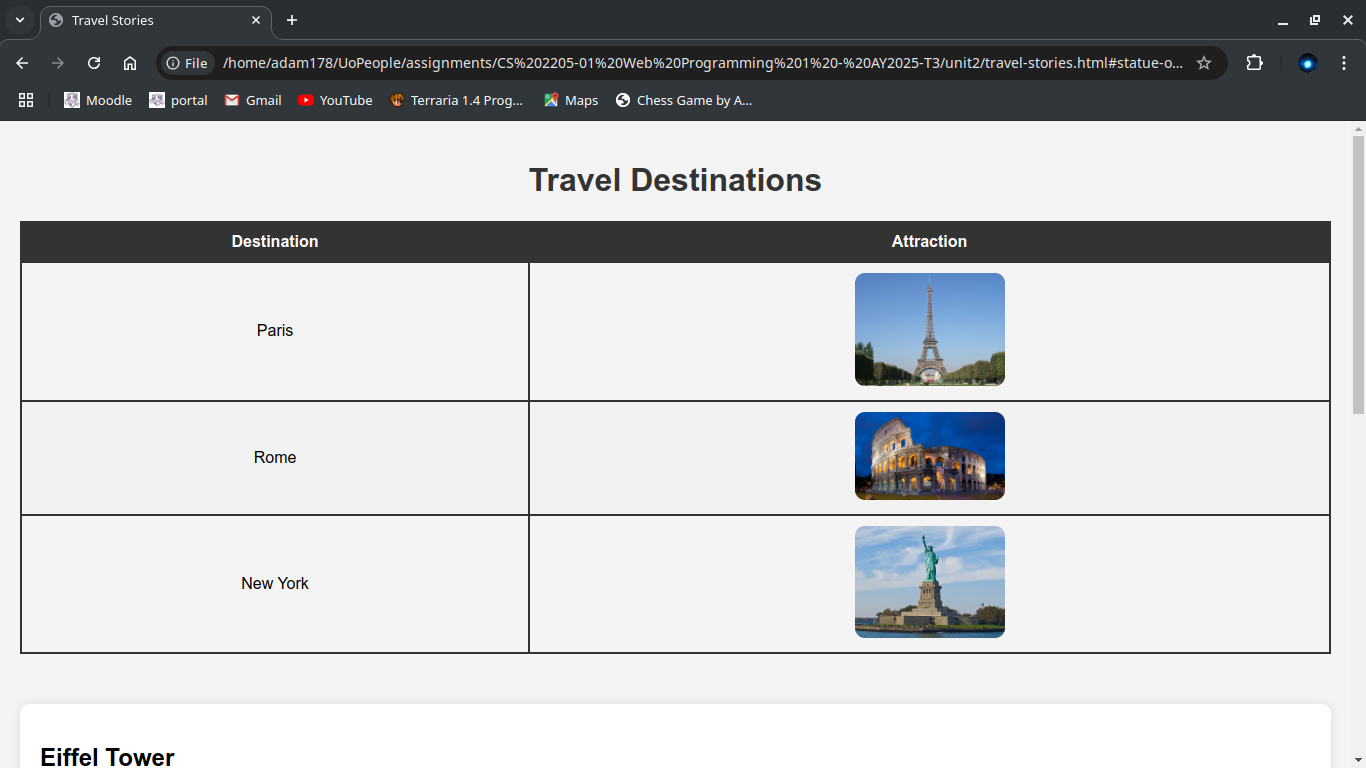
box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

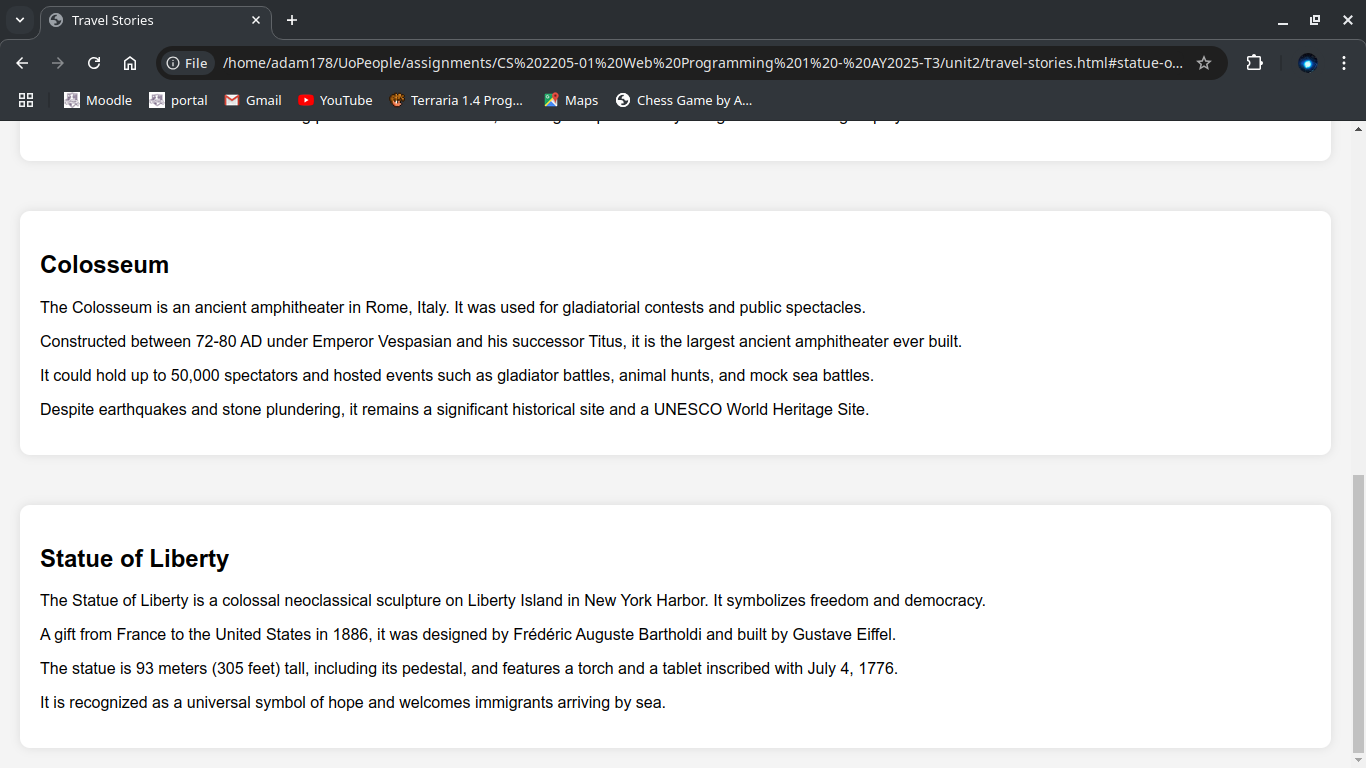
}

* Adds a white background with rounded edges.
* Box shadow gives it a soft floating effect.

**Screenshots**

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