Exercise: Box Model and Position
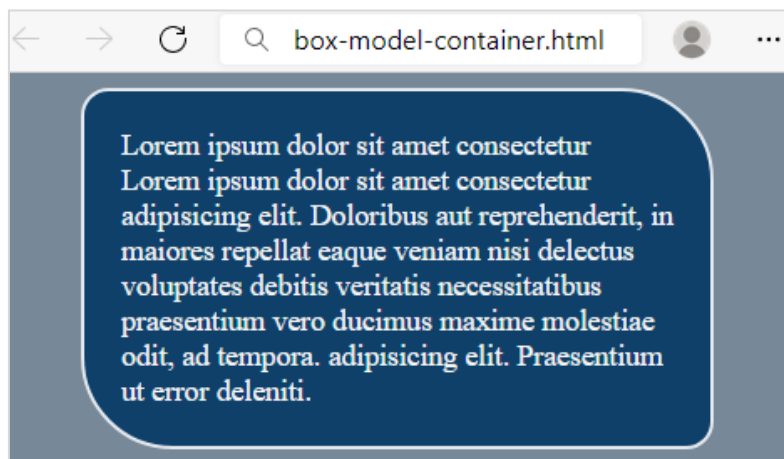
Problems for exercises and homework for the "HTML and CSS" course @ SoftUni.

1. Box Model Container

Create a web page like the following:

Requirements

You will be given a skeleton with **filled HTML** and an **empty CSS** file. Write the missing **CSS** following the guidelines in the task.

- **<body>**:
  - Background color: **lightslategray**
- **<p>**:
  - Width: **300px**
  - Paddings: **20px**
  - **Auto** margins
  - Background color: **#0F4069**
  - Text color: **whitesmoke**
  - **Solid** border with size **2px** and color **#e6eaef**
  - Top left and bottom right border radius: **15px**
  - Top right and bottom left border radius: **50px**

2. Scrolling Article
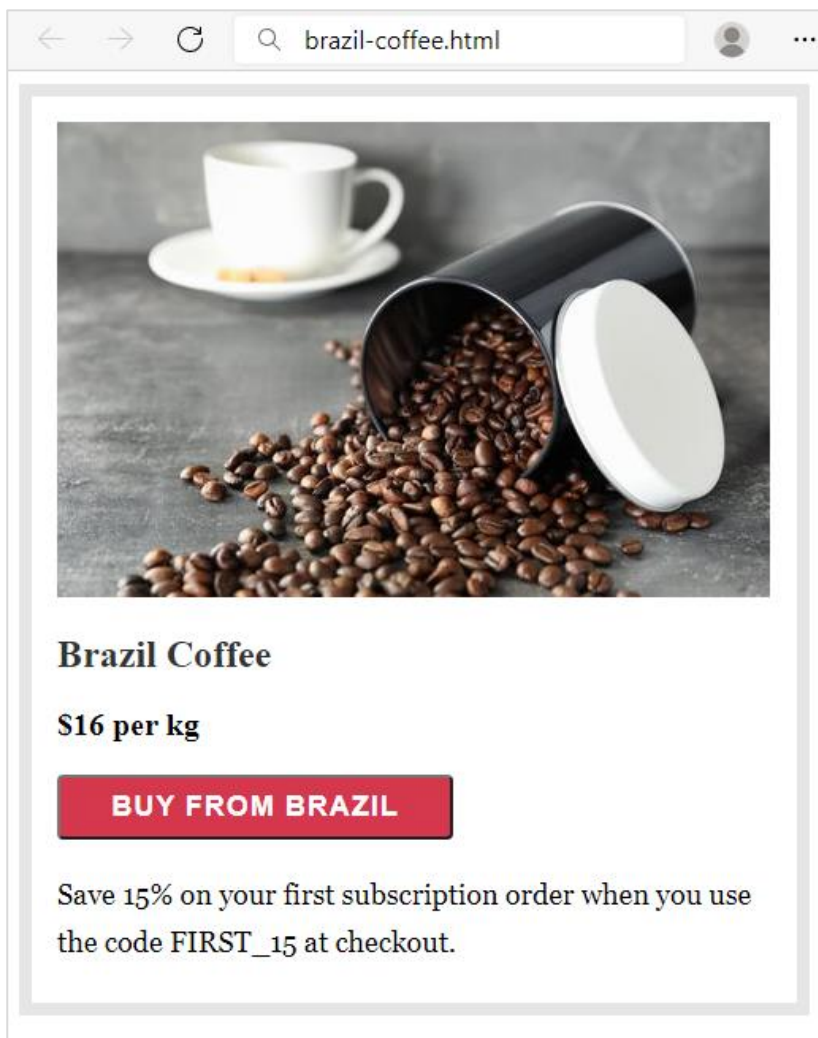
Create a web page like the following:
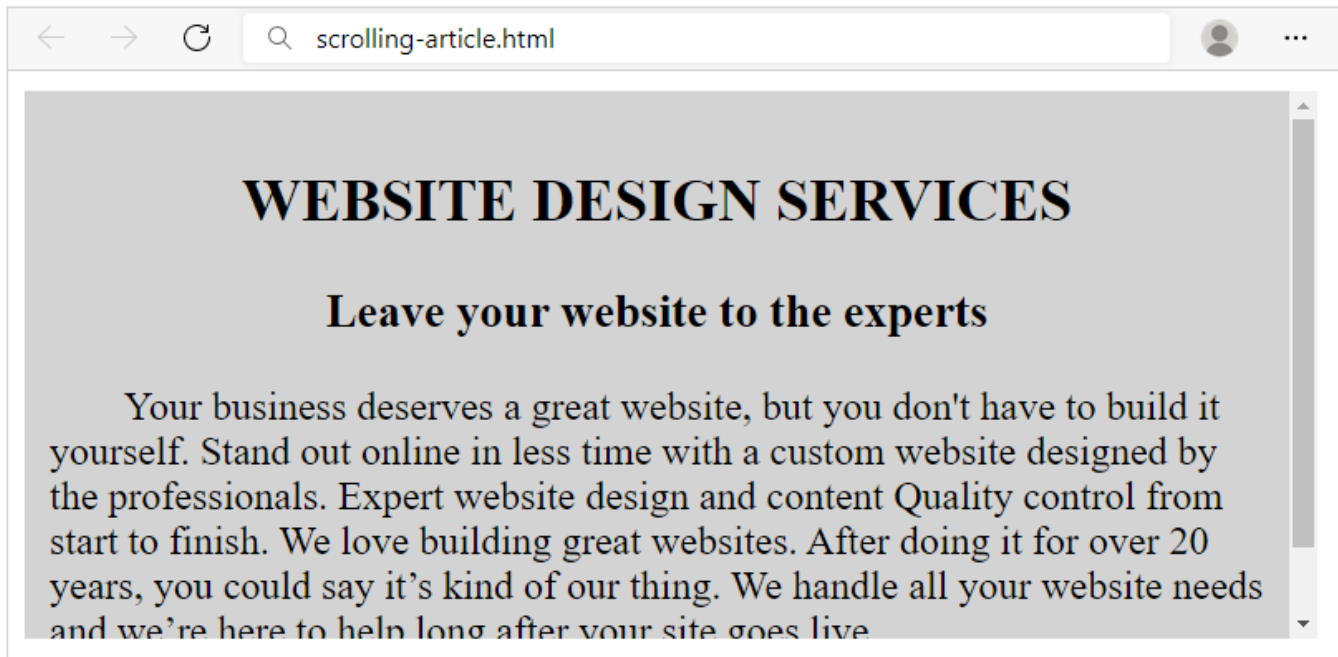
Requirements

HTML with **`<body>`** that contains: **`<section>`** with **`<article>`** which has **`<h2>`**, **`<h3>`** and **`<p>`**.

CSS:

- **`<article>`**:
  - Width: **500px**
  - Height: **200px**
  - Background color: **lightgray**
  - Paddings: **10px**
  - **Auto** overflow
- **`<h2>`**:
  - All characters to be **UPPERCASE**
  - Align the **text** to the **center**
- **`<h3>`**:
  - Align the **text** to the **center**
- **`<p>`**:
  - Indent text in the first line **30px**

3. Brazil Coffee

Create a web page like the following:

Requirements

HTML with **\<body\>** that contains: **\<section\>** which has **\<img\>**, **\<h2\>**, **\<div\>**, **\<button\>** and **\<p\>**.

CSS:

- **\<section\>**:
    - **Solid** border with size **8px** and color
    - Paddings: **16px**
    - Width: **451px**
    - Height: **540px**
- **\<h2\>**:
    - Font: **Merriweather**
    - Generic Font: **serif**
    - Font weight **700**
    - **Top** & **bottom** margin **1.2rem**
    - **Left** & **right** margin **0**
    - Color: **rgb(51, 51, 51)**
- **\<div\>**:
    - Font weight **600**

- o Font size: **20px**
- **`<button>`**:
    - o Width: **250px**
    - o Font : **Work Sans**
    - o Generic Font: **sans-serif**
    - o Font weight **600**
    - o Font size: **18px**
    - o Border radius: **4px**
    - o Background color: **#d5384d**
    - o Text color: **#fff**
    - o Letter spacing: **1px**
    - o Align the **text** to the **center**
    - o **Top** & **bottom** padding **8px**
    - o **Left** & **right** padding **16px**
    - o Top margin: **20px**
    - o Bottom margin: **20px**
- **`<p>`**:
    - o Fonts: **Georgia**, **Cambria**, **Times New Roman**, **Times**
    - o Generic Font: **serif**
    - o Font size: **18px**
    - o Height of the line: **30px**
    - o Top margin: **0**
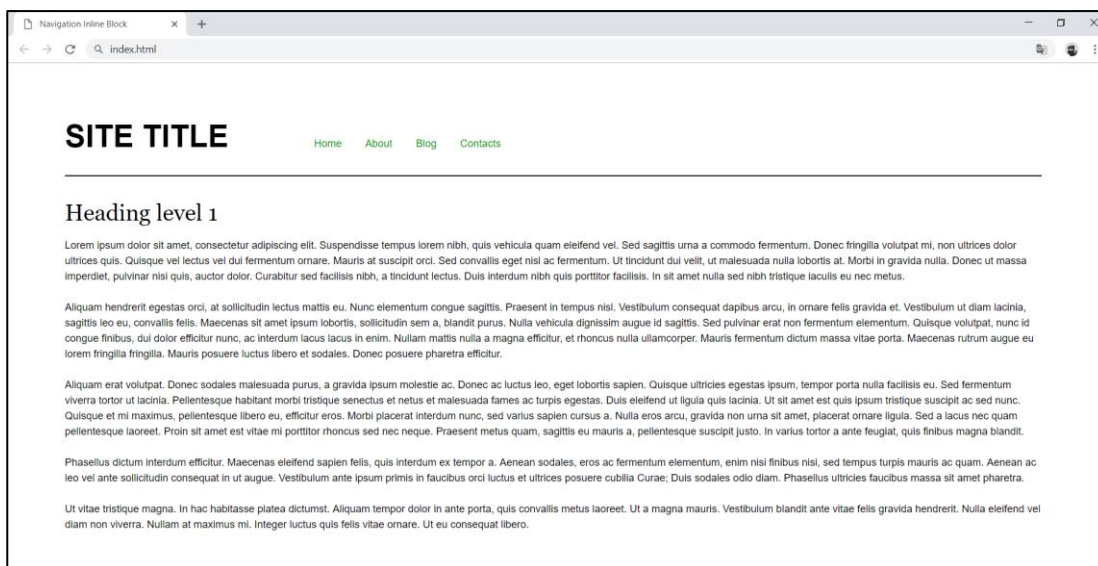
4. Article
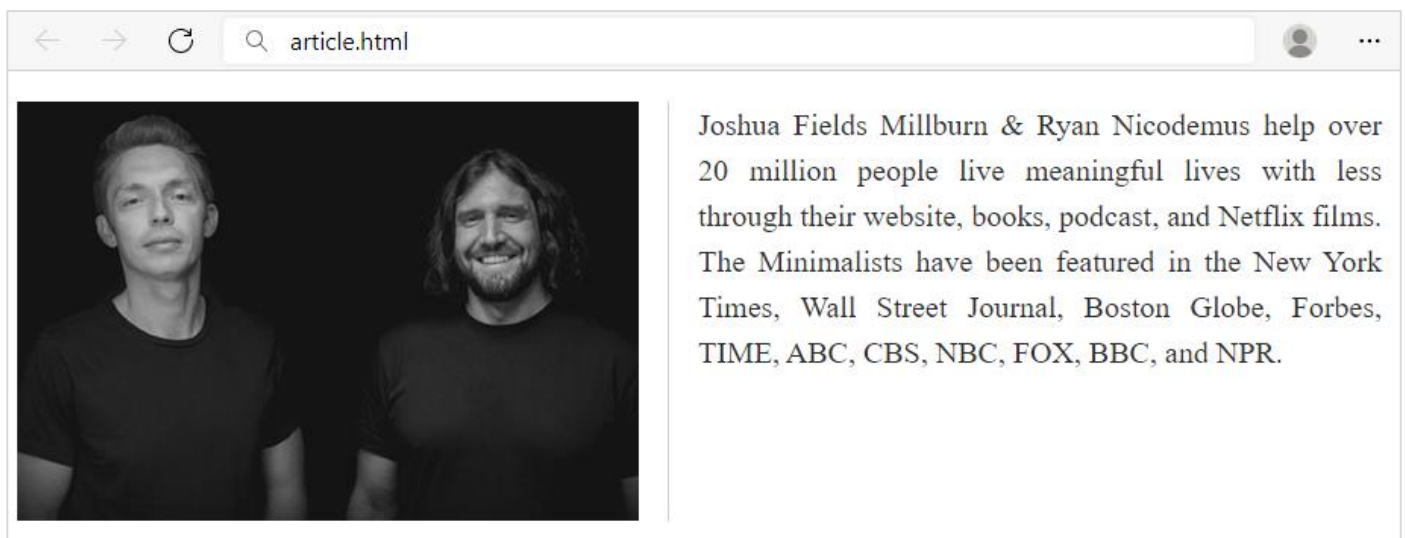
Requirements

You will be given a skeleton with **filled HTML** and an **empty CSS** file. Write the missing **CSS** following the guidelines in the task.

- **`<main>`**:
    - o Width: **900px**
    - o Height: **140px**
- **`<img>`**:
    - o **Solid right border** with size **1px** and color **#d1d1d1**

Follow us:

- o Float the images on the **left**
- o Right margin: **19px**
- o Right padding: **19px**
- **<p>**:
  - o Font size: **20px**
  - o Height of the line: **30px**
  - o Text color: **#2e2e2e**
  - o Text align: justify

5. Blog Article

Requirements

You will be given a skeleton with **filled HTML** and an **empty CSS** file. Write the missing **CSS** following the guidelines in the task.

- **<body>**:
  - o Background color: **#02475e**
- **<article> :**
  - o **<h2>**:
    - Font size: **36px**
    - Text color: **#fefecc**
    - Margins: **12px**
    - Align the text to the **center**
  - o **<p>**:
    - Text color: **#eee**
    - Font: **Arial**
    - Generic Font: **sans-serif**
    - Height of the line: **24px**
    - Paddings: **10px**
    - Indent text in the first line **30px**
  - o **<div>**:
    - Bottom margin: **30px**
    - **Solid top** border with size **2px** and color **#fff**
    - **Relative** position
    - Top coordinates: **20px**
  - o **<span>**:

- Width: **120px**
- Font size: **14px**
- Align the **text** to the **center**
- **Top** & **bottom** paddings **3px**
- **Left** & **right** paddings **5px**
- **Top** & **bottom** margins **0**
- **Left** & **right** margins **auto**
- Background color: **#fff**
- Display the span as **block**
- **Relative** position
- Top coordinates: -**11px**
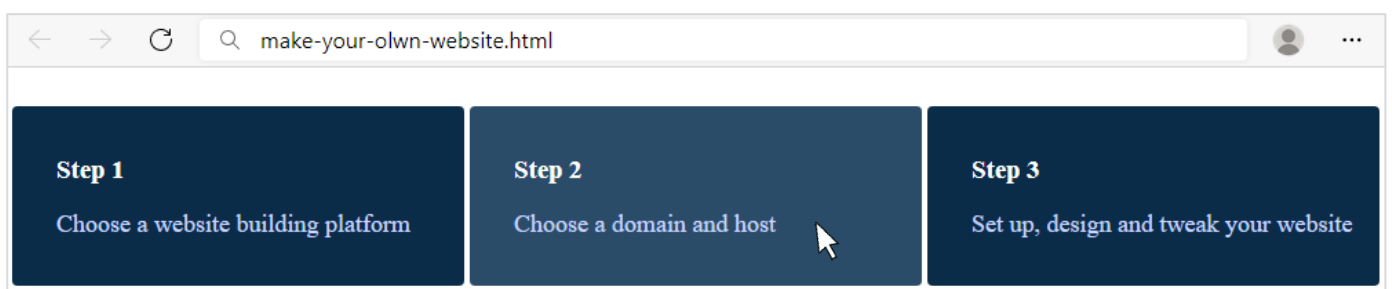
6. Navigation Inline Block

Create a web page like the following:

Requirements

- Change the document title to "**Navigation Inline Block**"
- Divide your content into `header` and `main` tags
- Add font to the document: **Helvetica**, **sans-serif**
- Create a navigation bar
  - o Add four list items in `nav` tag with `a` tags inside
  - o Add `display: inline-block;` style for each item in the `nav`

7. Make Your Own Website

Requirements

You will be given a skeleton with **filled HTML** and an **empty CSS** file. Write the missing **CSS** following the guidelines in the task.

- **<div>**:
    - o Width: **280px**
    - o Display the divs as **inline-block**
    - o Padding top, right and bottom: **16px**
    - o Padding left: **32px**
    - o Top margin: **20px**
    - o Background color: **#0A2C48**
    - o Text color: **#fff**
    - o Radius of the border: **4px**
- **<div>** on mouse **hover:**
    - o Background color: **#2A4C68**
- **<p>**:
    - o Text color: **#c9d6ff**
    - o Font size: **18px**

8. Photo Gallery Inline Block

Create a web page like the following:

Follow us:
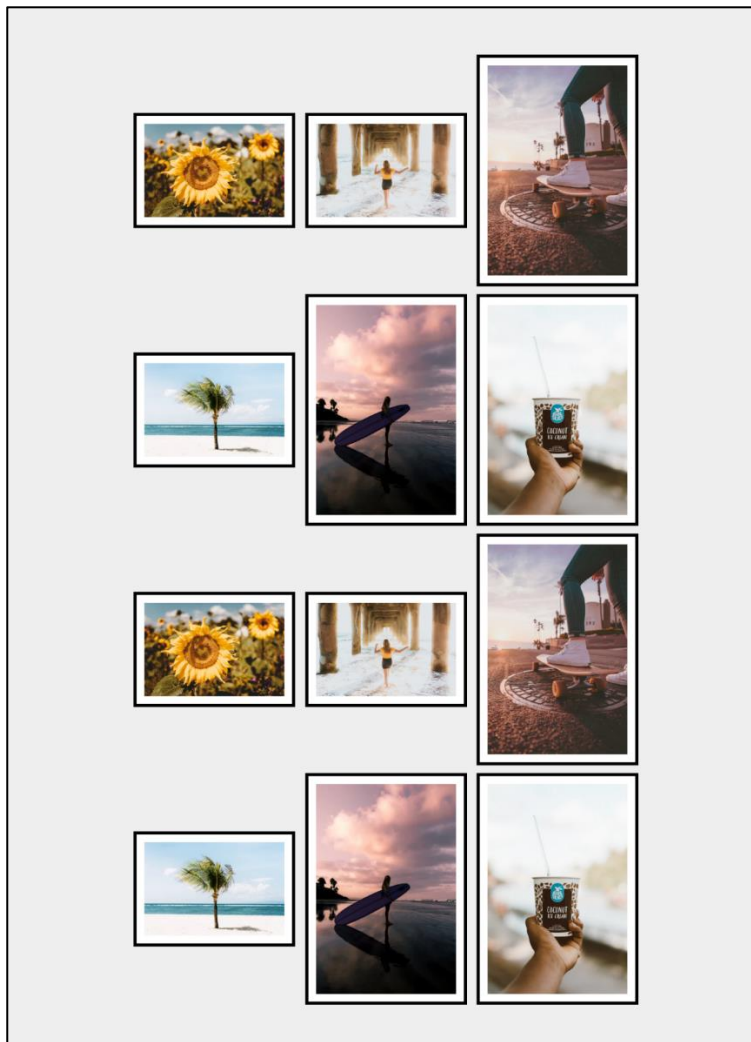
Requirements

- Change the document title to "**Photo Gallery - Inline Block**"
- Create unordered list with **class gallery** (**ul.gallery**)
- Add list items with images inside
- **<body>**
    - Padding: **5rem**
    - Background color: **#eee**
- **.gallery**
    - Width: **100%**
    - Margin: **0 auto**
    - Align the text to the **center**
- **li**
    - Width: **18rem**
    - Display the list as **inline-block**
    - Background color: **#fff**
    - **Solid** border with size **0.4rem** and color **#000**
    - Padding: **1rem**
    - Vertical align: **middle**
    - Margin: **0.5rem**
- **img**
    - display: **block**
    - width: **100%**
    - height: **auto**

9. Blog Layout Inline Block

Create a web page like the following:

Requirements

- Change the document title to "**Blog Layout Inline Block**"
- Add font to the document: **Helvetica**, **sans-serif**
- Use `article` tag to create an article
  - Divide the article content into header, section and footer tags
- Use `aside` tag to create aside for the **Latest Posts**
- Use background with color - `rgb(238, 238, 238)`
- Use `rgb(51, 51, 51)` color for the text

10. Position Playground

Create a web page like the following:
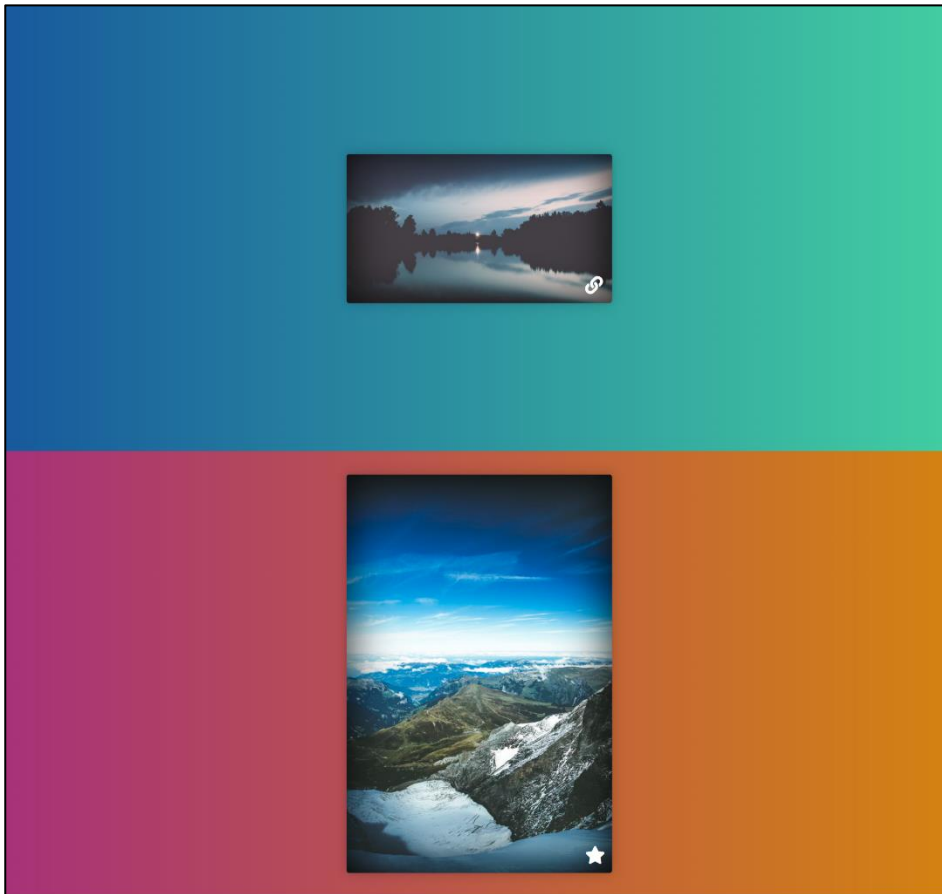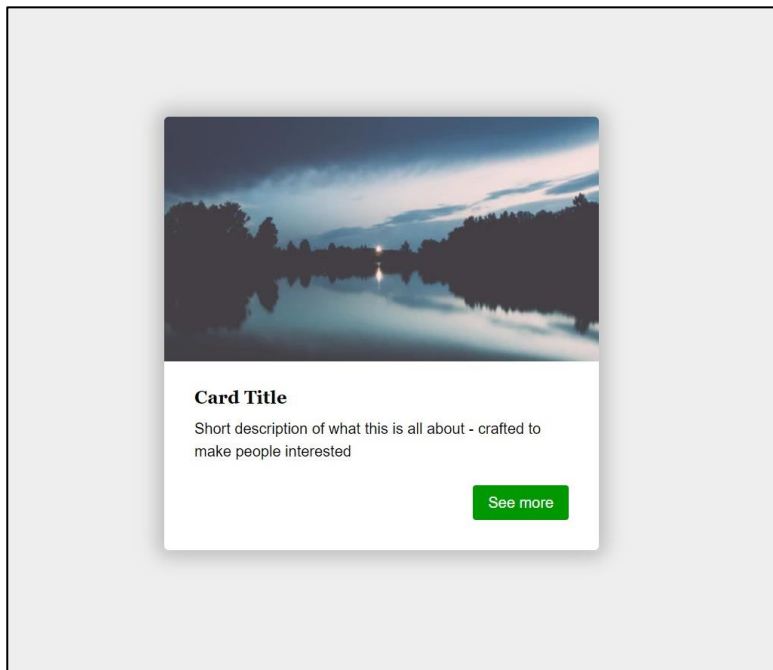

- Change the document title to "**Positioning Playground**"
- Import Font Awesome into your **CSS** file

Requirements

- Add two container units **(divs)** with class `viewport` inside the body
  - Inside each one adds section with class **card** *(`section.card`)*
    - Change the display property to **block**
    - Try to center the section with position property **absolute**

11. Center Position and Transform

Create a web page like the following:

- Change the document title to "**Center Position and Transform**"

Requirements

- **Section** tag must have **class="card"**
- Create section with two **divs**
    - First div contains image
    - Second div contains: **<h3>**, **<p>** and **a** tags
- Use **rgb(238, 238, 238)** for body background
- Use **rgb(255, 255, 255)** for card background
- Use **rgb(0, 153, 0)** for card button background
- Use font **Georgia, serif** with size **1em/1.2** for the headings
- Set the image position property to **absolute**

12. Navigation

Create a web page like the following:
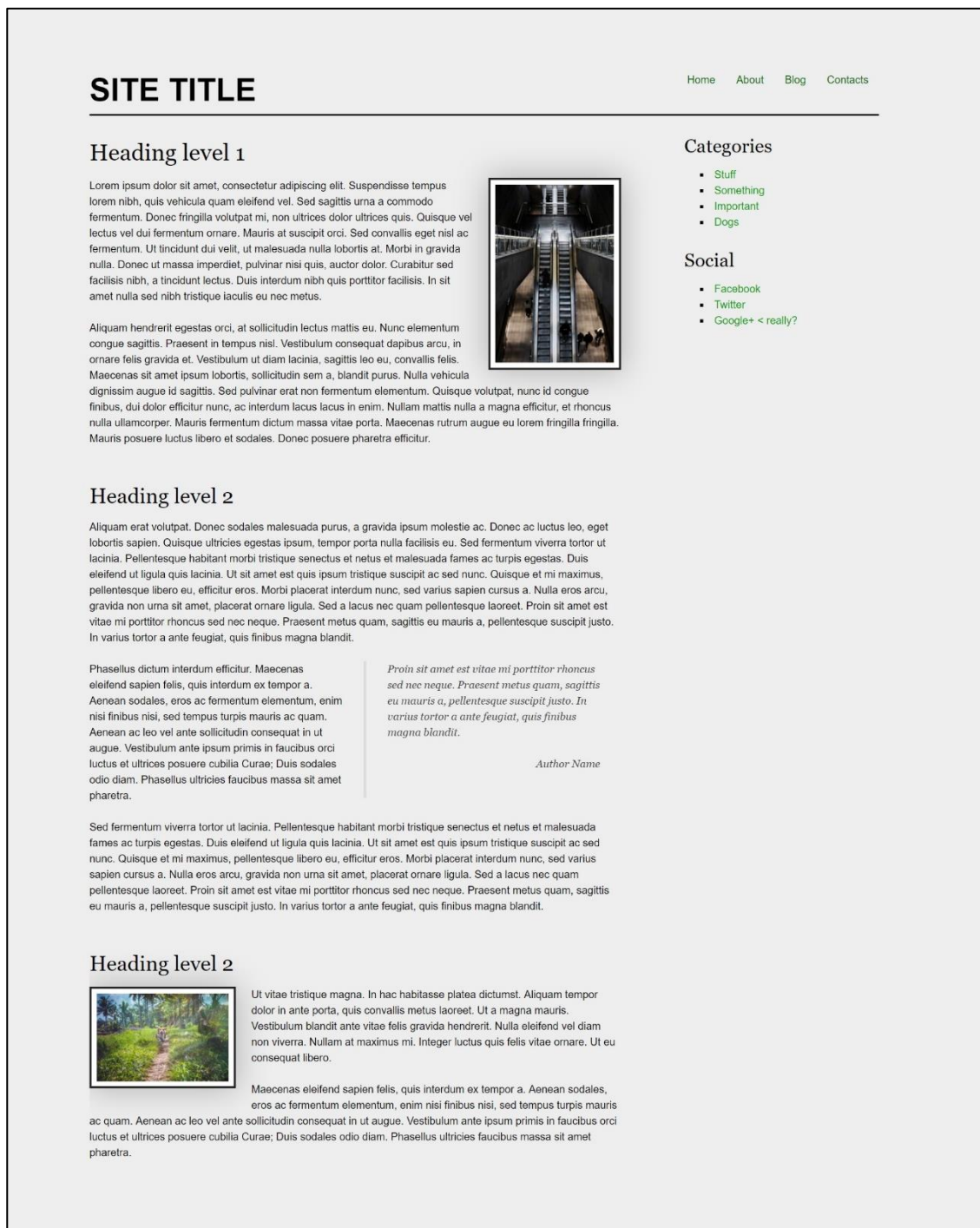
- Change the document title to "**Navigation**"

Requirements

- Create a **header** with a **p** for as title
    - Inside the **header** add a **nav** with a **ul** and 4 **li** elements
- Create a **main**, which contains an **article** with a **header** and **h1** heading

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- o Add a **section** inside the **article**
- Create an **aside** element with two sections inside
  - o The sections should have a **h3** heading and a navigation - **nav** with **ul**, **li** and **a** elements
- Use **rgb(0, 102, 0)** for the anchors
- Use **rgb(238, 238, 238)** for body background
- Use **rgb(255, 255, 255)** for image background and **rgba(0, 0, 0, 0.25)** for image box shadow
- Use font **Georgia, serif** for the blockquote
- Use font **Georgia, serif** with size **1em/1.2** for the headings

13. New Offer

Create a web page like the following:
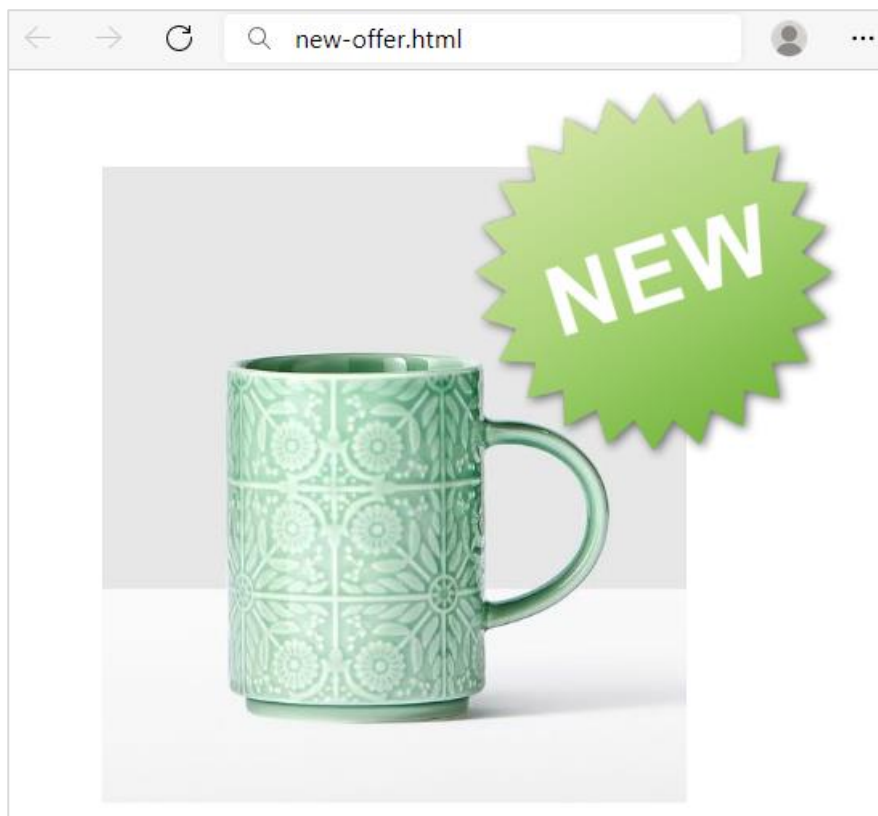
Requirements

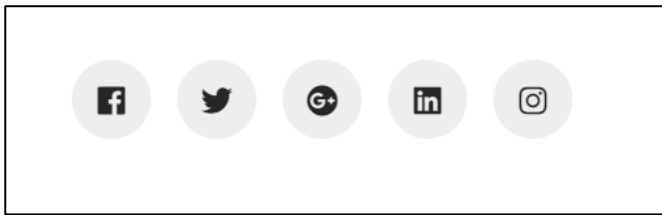**HTML** with **<body>** that contains **<main>** and two **<img>**.

<img> with **new.png** need **class="new"**.

CSS:

- **<main>**:
  - o Width: **700px**
  - o Height: **500px**
  - o Margins: **60px**
- **img.new**:
  - o **Relative** position
  - o Top coordinates: **-200px**
  - o Right coordinates: **150px**

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14. Social Media Icons

Create a web page like the following:

- Change the document title to "**Social Media Icons**"
- Use **FontAwesome** to add social icons

Requirements

- All you need for your HTML are **ul**, **li** and **a** tags
- Change the **ul** display property to **inline-block**
- Remove list items default style
- Each **a** tag must have **border-radius: 50%;**
- Check the provided screenshots to see the **hover** effects

15. Interior Design Studio

Create a webpage like the following:
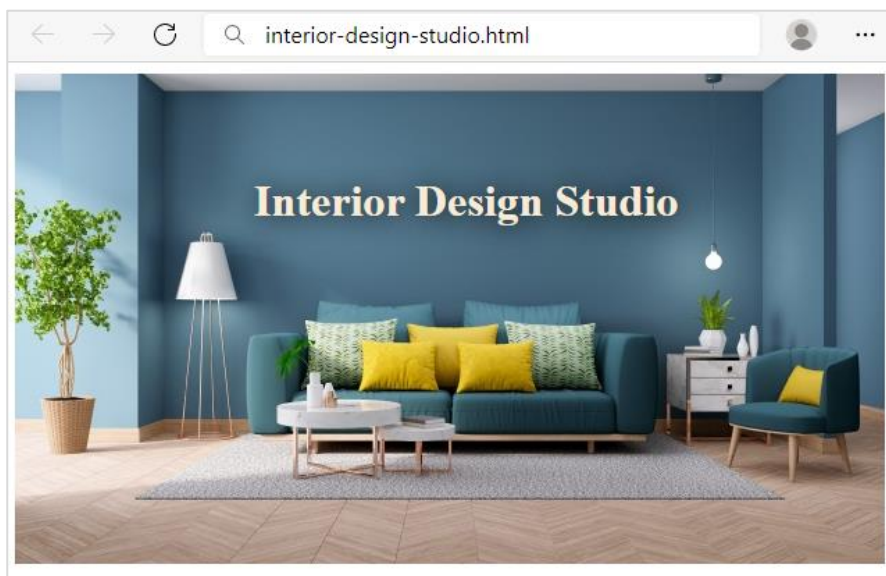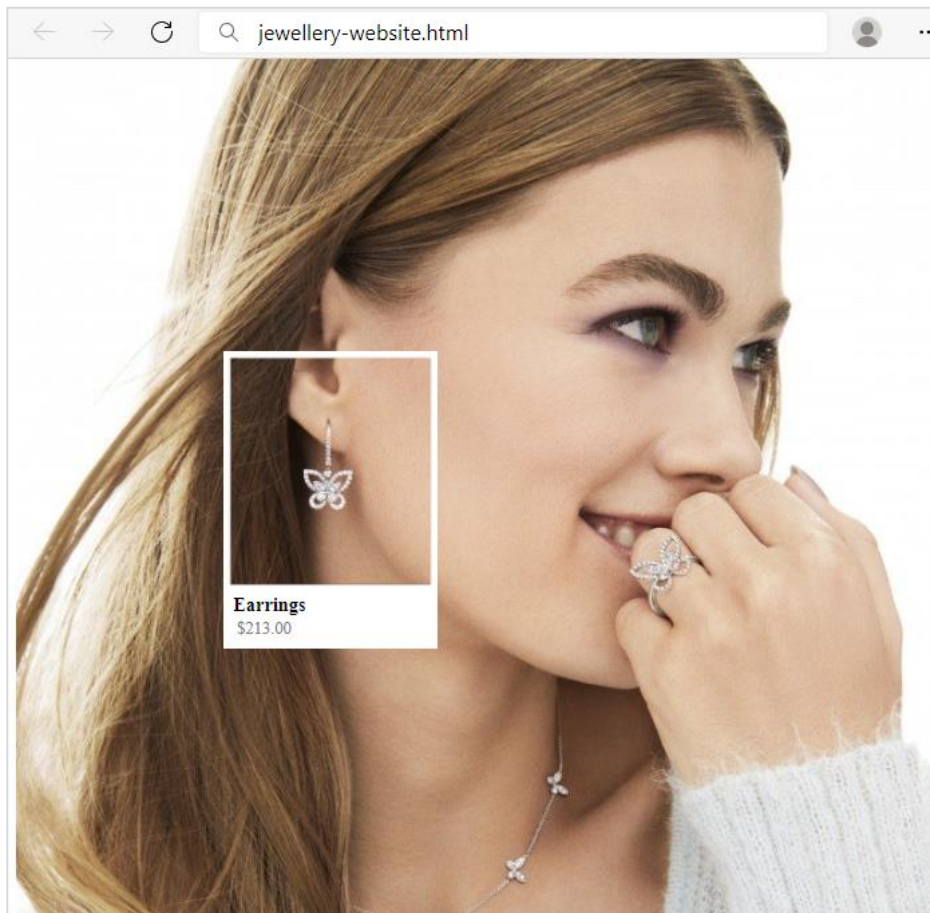

Requirements

HTML with **<body>** that contains **<h1>** and **<img>**.

CSS:

- **<h1>**
  - **Absolute** position
  - **Top** coordinates: **60px**

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o **Left** coordinates: **180px**

o Text color: **antiquewhite**

o `text-shadow: 1px 1px 20px black;`

16. Jewellery Website

Requirements

You will be given a skeleton with **filled HTML** and an **empty CSS** file. Write the missing **CSS** following the guidelines in the task.

- `<section>`
    o Set the position to **absolute**
    o Use the **coordinates**: **250px** and **180px** to position the **frame** correctly
- `<h3>`
    o Font size: **16px**
    o Margin: **0px**
- `<span>`
    o Padding left: **3px**
    o Text color: **gray**
    o Font size: **14px**
- `<div>`
    o Set the position to **relative**
    o Use the **coordinates**: **50px** and **8px** to position the **text** correctly

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