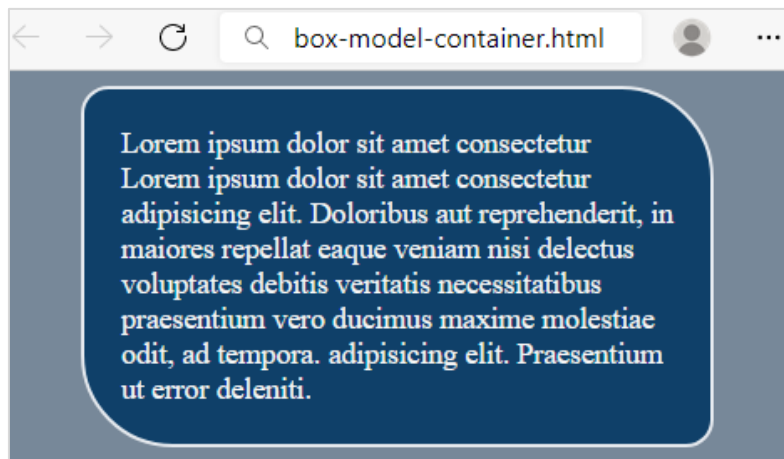


Exercise: HTML and CSS: Box Model, Containers and Flexbox

1. Box Model Container

Create a web page like the following:



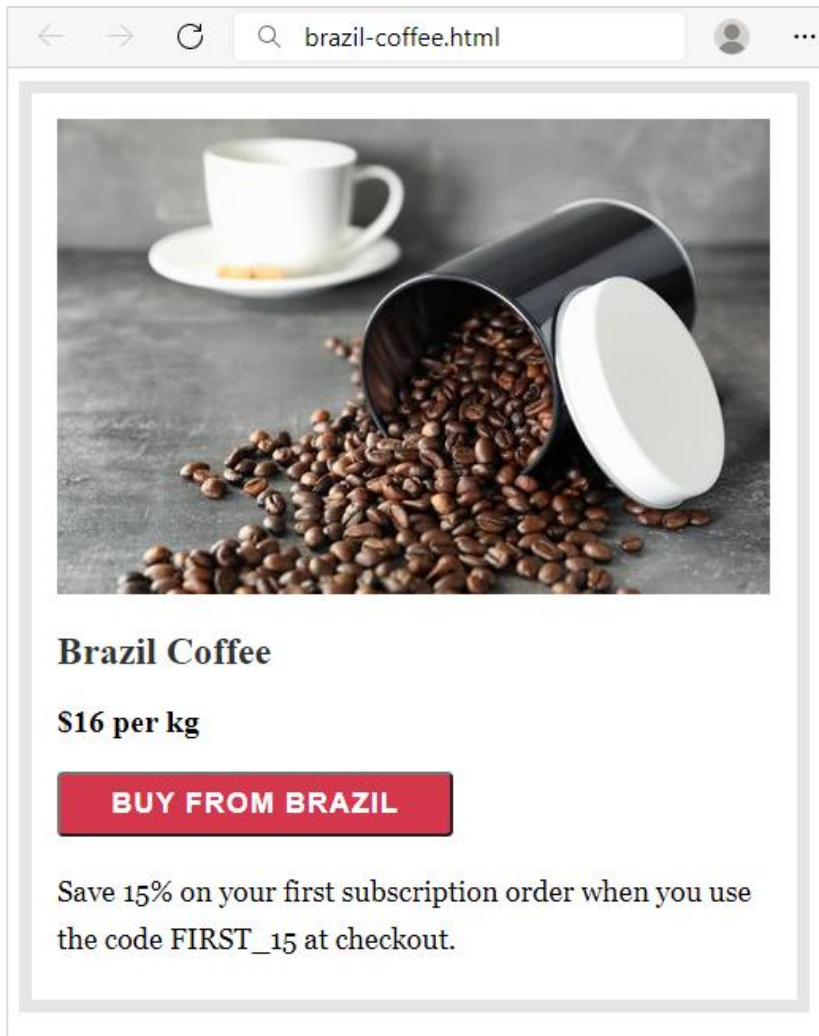
Requirements

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 **#e6eaeef**
 - Top left and bottom right border radius: **15px**
 - Top right and bottom left border radius: **50px**

2. Brazil Coffee

Create a web page like the following:



Requirements

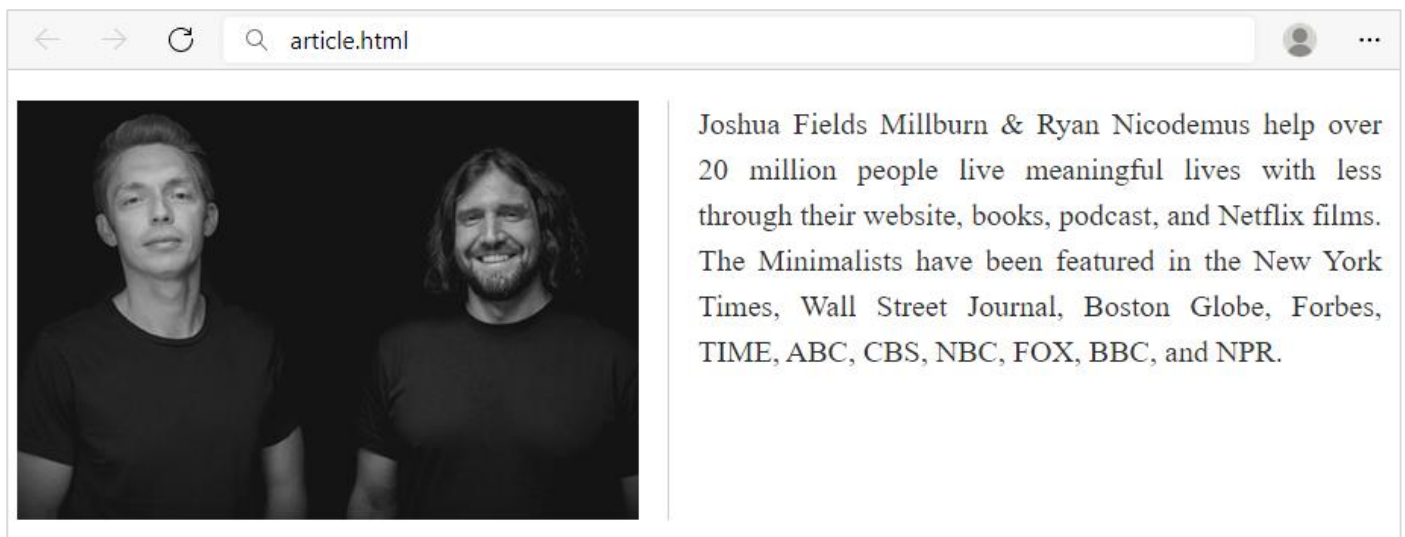
HTML with `<body>` that contains: `<section>` which has ``, `<h2>`, `<div>`, `<button>` and `<p>`.

CSS:

- `<section>`
 - Solid border with size **8px** and color **#e6e6e6**
 - 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**
 - Font size: **20px**
- `<button>`
 - Width: **250px**

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

3. Article



Requirements

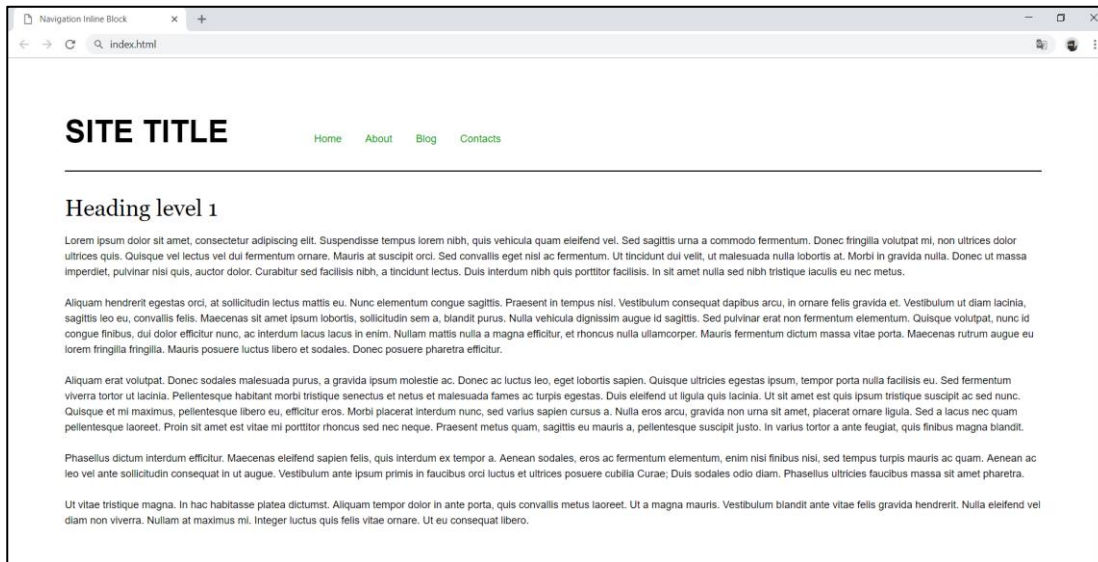
You will be given a skeleton with **filled HTML** and an **empty CSS** file. Write the missing **CSS** following the guidelines in the task.

- **<main>**
 - Width: **900px**
 - Height: **140px**
- ****
 - **Solid right border** with size **1px** and color **#d1d1d1**
 - Float the images on the **left**
 - Right margin: **19px**
 - Right padding: **19px**

- **<p>**
 - Font size: **20px**
 - Height of the line: **30px**
 - Text color: **#2e2e2e**
 - Text align: **justify**

4. Navigation Inline Block

Create a web page like the following:

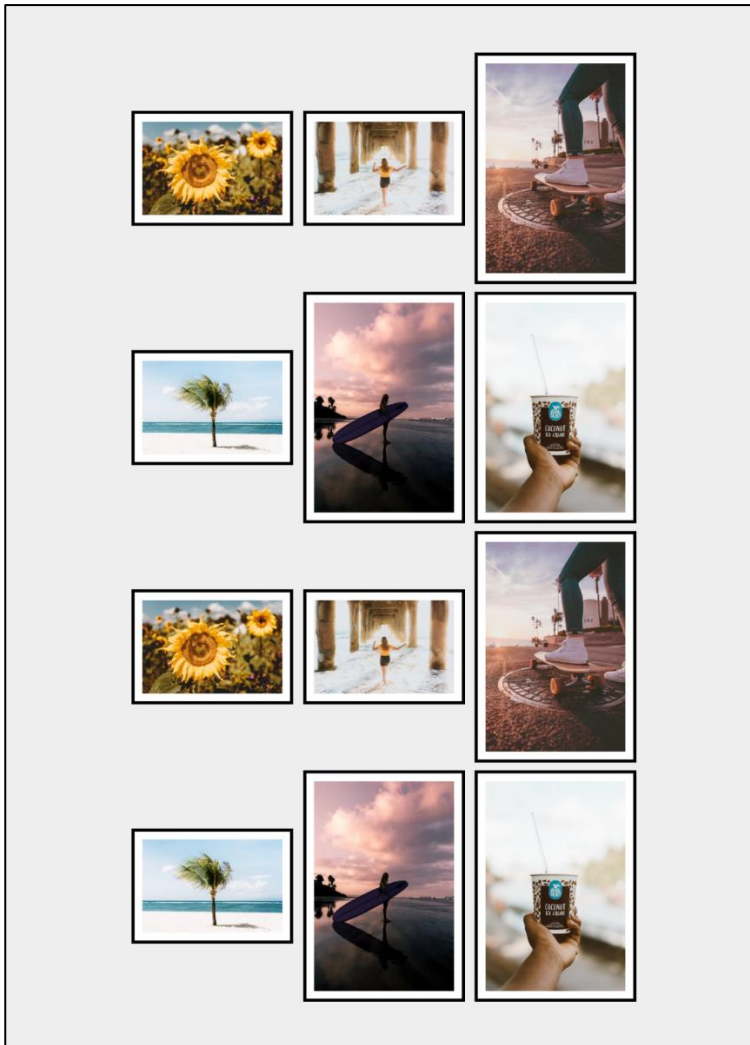


Requirements

- 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
 - Add four list items in **nav** tag with **a** tags inside
 - Add **display: inline-block;** style for each item in the **nav**

5. Photo Gallery Inline Block

Create a web page like the following:



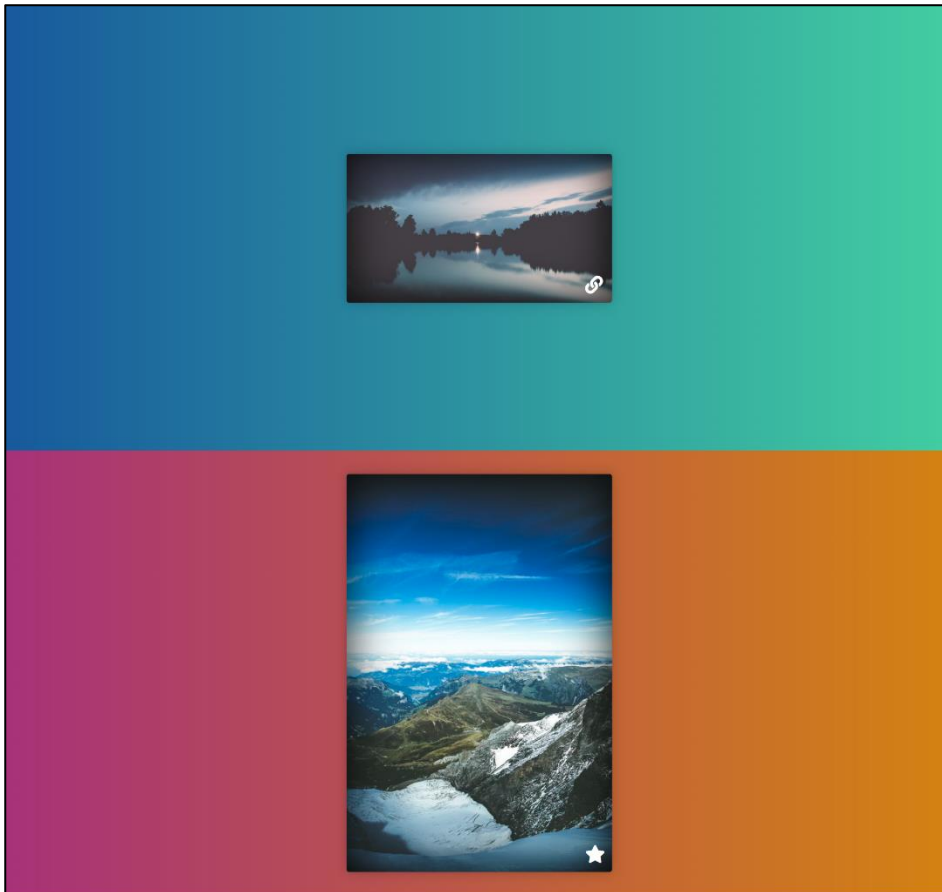
Requirements

- 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**

6. Position Playground

Create a web page like the following:



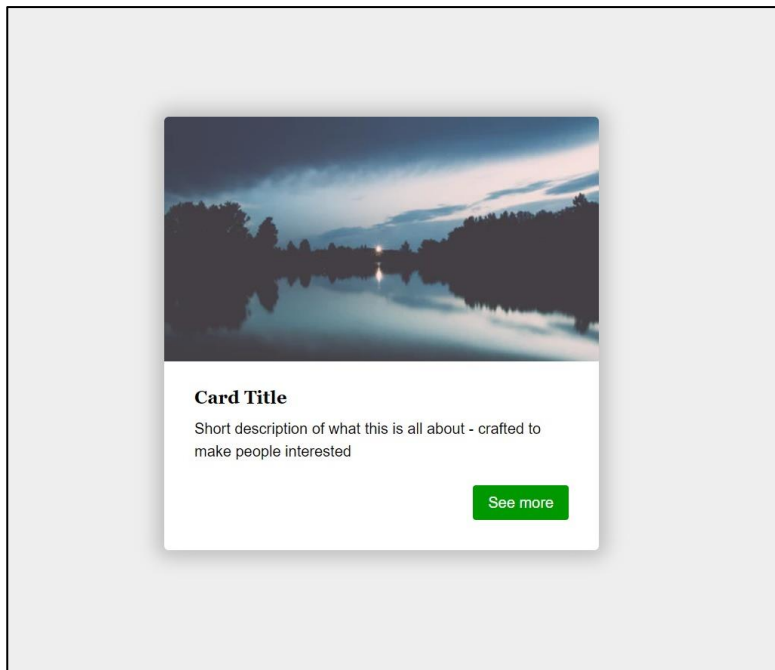
- Change the document title to "**Positioning Playground**"
- Import [Font Awesome](#) into your **CSS** file

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**

7. 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**

8. Navigation

Create a web page like the following:

Heading level 1

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse tempus lorem nibh, quis vehicula quam eleifend vel. Sed sagittis urna a commodo fermentum. Donec fringilla volutpat mi, non ultrices dolor ultrices quis. Quisque vel lectus vel dui fermentum ornare. Mauris at suscipit orci. Sed convallis eget nisl ac fermentum. Ut tincidunt dui velit, ut malesuada nulla lobortis at. Morbi in gravida nulla. Donec ut massa imperdiet, pulvinar nisi quis, auctor dolor. Curabitur sed facilisis nibh, a tincidunt lectus. Duis interdum nibh quis porttitor facilisis. In sit amet nulla sed nibh tristique iaculis eu nec metus.



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Categories

- [Stuff](#)
- [Something](#)
- [Important](#)
- [Dogs](#)

Social

- [Facebook](#)
- [Twitter](#)
- [Google+ < really?](#)

Heading level 2

Aliquam erat volutpat. Donec sodales malesuada purus, a gravida ipsum molestie ac. Donec ac luctus leo, eget lobortis sapien. Quisque ultrices egestas ipsum, tempor porta nulla facilisis eu. Sed fermentum viverra tortor ut lacinia. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Duis eleifend ut ligula quis lacinia. Ut sit amet est quis ipsum tristique suscipit ac sed nunc. Quisque et mi maximus, pellentesque libero eu, efficitur eros. Morbi placerat interdum nunc, sed varius sapien cursus a. Nulla eros arcu, gravida non urna sit amet, placerat ornare ligula. Sed a lacus nec quam pellentesque laoreet. Proin sit amet est vitae mi porttitor rhoncus sed nec neque. Praesent metus quam, sagittis eu mauris a, pellentesque suscipit justo. In varius tortor a ante feugiat, quis finibus magna blandit.

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Proin sit amet est vitae mi porttitor rhoncus sed nec neque. Praesent metus quam, sagittis eu mauris a, pellentesque suscipit justo. In varius tortor a ante feugiat, quis finibus magna blandit.

Author Name

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Heading level 2



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Maecenas eleifend sapien felis, quis interdum ex tempor a. Aenean sodales, eros ac fermentum elementum, enim nisi finibus nisi, sed tempus turpis mauris ac quam. Aenean ac leo vel ante sollicitudin consequat in ut augue. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Duis sodales odio diam. Phasellus ultricies faucibus massa sit amet pharetra.

- Change the document title to "**Navigation**"

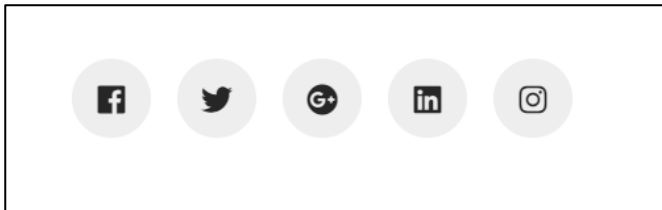
Requirements

- 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
 - Add a **section** inside the **article**
- Create an **aside** element with two sections inside
 - 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

9. Social Media Icons

Create a web page like the following:



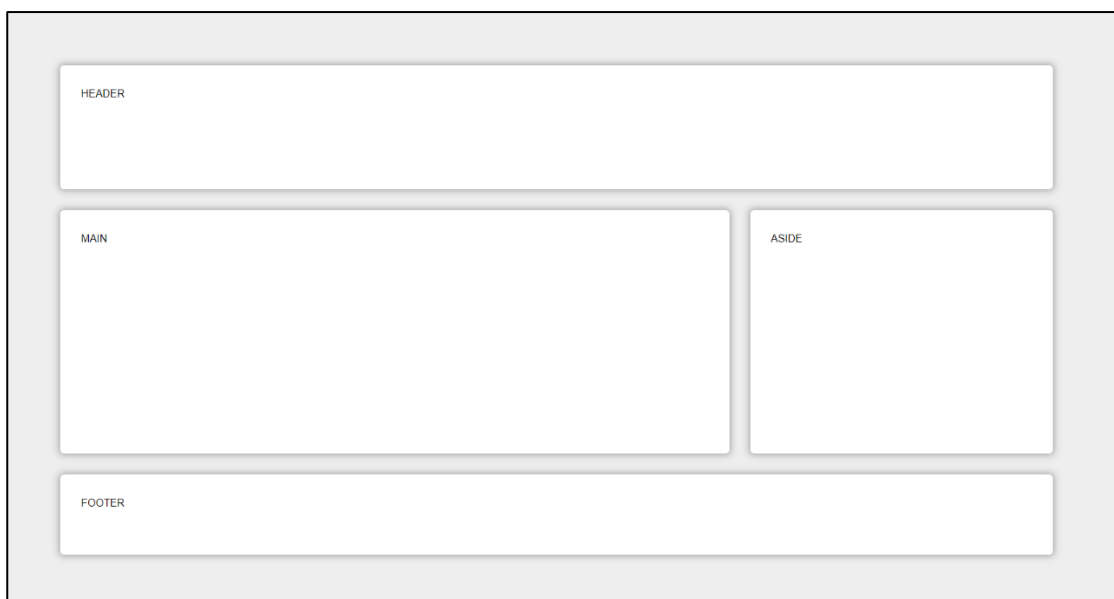
- Change the document title to "**Social Media Icons**"
- Use **FontAwesome** to add social icons

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

10. Flexbox Layout

Create a web page like the following:



- Change the document **title** to "**Flexbox Layout**"

Requirements

- Create **header**, **main**, **aside** and **footer** elements
- `<body>`
 - background color - #EEE;
 - padding - 5rem;
 - display - **flex**;
 - flex-wrap - **wrap**;
- Each element (`<header>`, `<main>`, `<aside>`, `<footer>`) must have
 - padding - 2rem;
 - background color - #FFF;
 - border-radius - 0.4rem;
 - color - #000;
- `<header>` and `<footer>`
 - flex-basis - 100%;
- `<main>`
 - flex - 8 1 40rem;
- `<aside>`
 - flex - 2 1 20rem;

11. FlexModel Articles

Create a web page like the following:



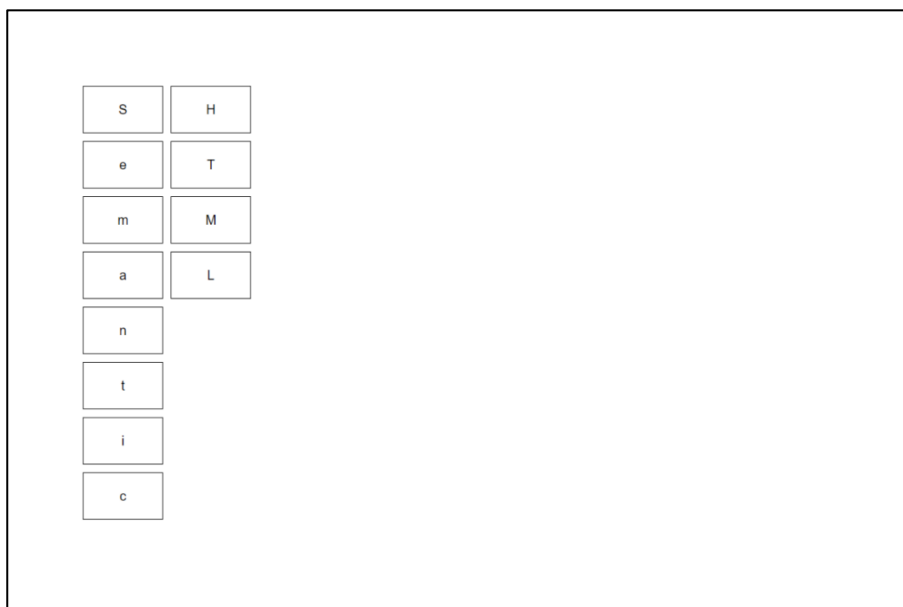
- Change the document **title** to "Articles"

Requirements

- Create a **section** with three articles inside
- The article should have a **h2** title and a paragraph (**p**)
- Fonts
 - Font family **Helvetica**, **sans-serif** with line height **1.5** for the **html**
 - Font family **Georgia**, **serif** with line height **1.2** for the headings
- Change the **section** display property to **flex** and set **justify-content: space-between**
- Set on the section **max-width 70vw**

12. ABC Game

Create a web page like the following:



- Change the document **title** to "ABC Game"

Requirements

- Create a **div** with class **container** and twelve **span** tags inside
- Type the letters in the **spans** EXACTLY as they are in the file **text.txt**
- Use font-family: **Helvetica, sans-serif**, with **font-size: 20px**
- Change the **div** display property to **flex** and align the items in center
- Set on the **div** **max-width: 15vw** and **height 35rem**
- The **span** must have
 - Border width - **1px**
 - Border color - **black**
 - Border style - **solid**
- To arrange the letters, use the **flex property order**

13. Calendar

Create a web page like the following:

Workweek					REMINDERS
1 Monday	2 Tuesday	3 Wednesday	4 Thursday	5 Friday	
Weekend					SPECIAL DATES
6 Saturday		7 Sunday			

- Change the document title to "**Calendar**"

Requirements

- Create a **div** with class **container** and two sections inside
 - First **section** has class **week**
 - Second **section** has class **notes**
- Use **span** tags for all content
- Change the **div** and **sections** display property to **flex** and align the items in **center**
- Set on the **div** **max-width 65vw**
- The span must have
 - Border width - **1px**
 - Border color - **black**
 - Border style - **solid**
- For the section with class notes use the property **flex-direction column**
- Set on all HTML elements the property **box-sizing: border-box**

14. Navigation Flexbox

Create a web page like the following:

Heading level 1

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse tempus lorem nibh, quis vehicula quam eleifend vel. Sed sagittis urna a commodo fermentum. Donec fringilla volutpat mi, non ultrices dolor ultrices quis. Quisque vel lectus vel dui fermentum ornare. Mauris at suscipit orci. Sed convallis eget nisi ac fermentum. Ut tincidunt dui velit, ut malesuada nulla lobortis at. Morbi in gravida nulla. Donec ut massa imperdiet, pulvinar nisi quis, auctor dolor. Curabitur sed facilisis nibh, a tincidunt lectus. Duis interdum nibh quis porttitor facilisis. In sit amet nulla sed nibh tristique iaculis eu nec metus.

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Aliquam erat volutpat. Donec sodales malesuada purus, a gravida ipsum molestie ac. Donec ac luctus leo, eget lobortis sapien. Quisque ultricies egestas ipsum, tempor porta nulla facilisis eu. Sed fermentum viverra tortor ut lacinia. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Duis eleifend ut ligula quis lacinia. Ut sit amet est quis ipsum tristique suscipit ac sed nunc. Quisque et mi maximus, pellentesque libero eu, efficitur eros. Morbi placerat interdum nunc, sed varius sapien cursus a. Nulla eros arcu, gravida non urna sit amet, placerat ornare ligula. Sed a lacus nec quam pellentesque laoreet. Proin sit amet est vitae mi porttitor rhoncus sed nec neque. Praesent metus quam, sagittis eu mauris a, pellentesque suscipit justo. In varius tortor a ante feugiat, quis finibus magna blandit.

Phasellus dictum interdum efficitur. Maecenas eleifend sapien felis, quis interdum ex tempor a. Aenean sodales, eros ac fermentum elementum, enim nisi finibus nisi, sed tempus turpis mauris ac quam. Aenean ac leo vel ante sollicitudin consequat in ut augue. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Duis sodales odio diam. Phasellus ultricies faucibus massa sit amet pharetra.

Ut vitae tristique magna. In hac habitasse platea dictumst. Aliquam tempor dolor in ante porta, quis convallis metus laoreet. Ut a magna mauris. Vestibulum blandit ante vitae felis gravida hendrerit. Nulla eleifend vel diam non viverra. Nullam at maximus mi. Integer luctus quis felis vitae ornare. Ut eu consequat libero.

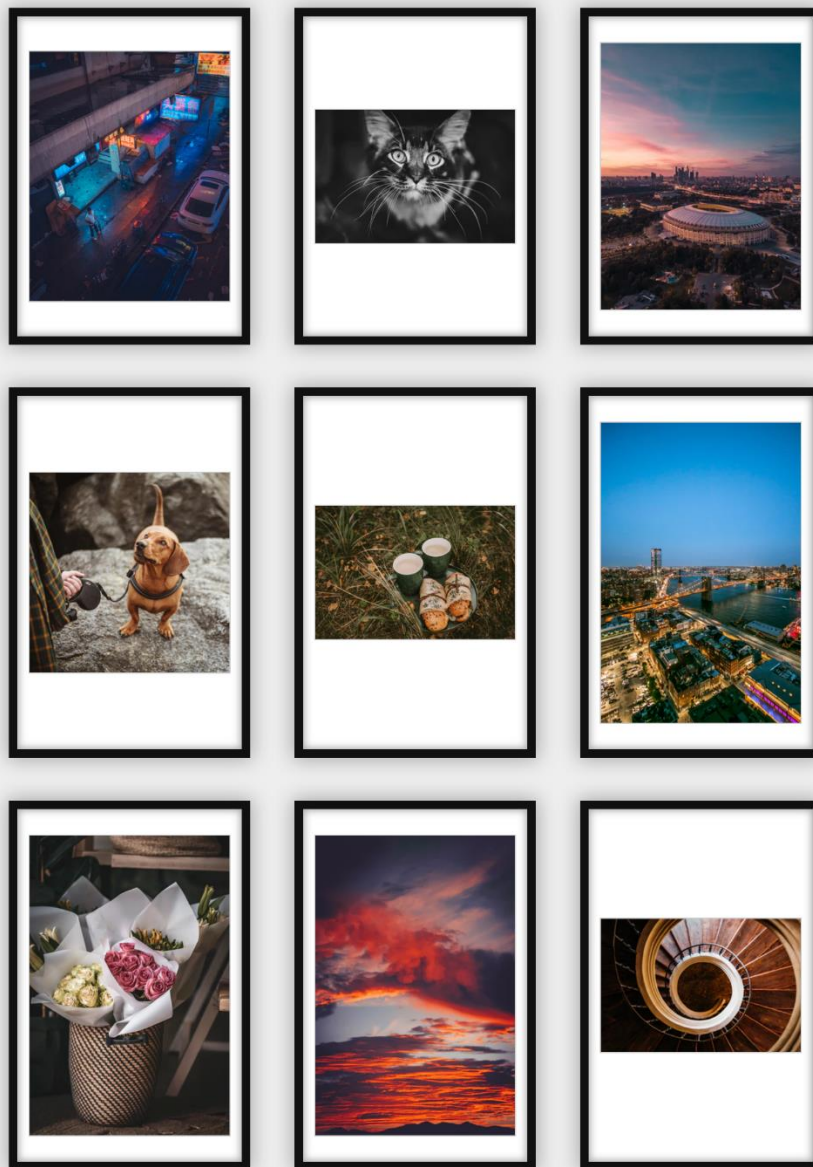
- Change the document title to "Navigation - Flexbox"

Requirements

- Divide the **body** into **header** and **main** tag
- The **bottom border** in the **header** must have
 - Border width - **2px**
 - Border color - **rgb(0, 0, 0)**
 - Border style - **solid**
- The **display** property of the header must be **flex**
- The **unordered** list in the header must have **display** property **flex**
- The **anchors** text color in the navigation must be **rgb(0, 153, 0)**

15. Photo Gallery – Flexbox

Create a web page like the following:



- Change the document title to "**Photo Gallery - Flexbox**"

Requirements

- Add section with class **gallery** (**section.gallery**)
- Add **unordered list** with **list** items and **images** inside
- Change the **body**, **ul** and **li** display property to **flex**
- Set the **ul** property **justify-content** to be equal to **space-between**

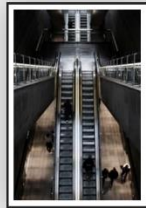
16. Blog Layout – Flexbox

Create a web page like the following:

SITE TITLE

Heading level 1

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse tempus lorem nibh, quis vehicula quam eleifend vel. Sed sagittis urna a commodo fermentum. Donec fringilla volutpat mi, non ultrices dolor ultrices quis. Quisque vel lectus vel dui fermentum ornare. Mauris at suscipit orci. Sed convallis eget nisi ac fermentum. Ut tincidunt dui velit, ut malesuada nulla lobortis at. Morbi in gravida nulla. Donec ut massa imperdiet, pulvinar nisi quis, auctor dolor. Curabitur sed facilisis nibh, a tincidunt lectus. Duis interdum nibh quis porttitor facilisis. In sit amet nulla sed nibh tristique laculis eu nec metus.



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Categories

- Stuff
- Something
- Important
- Dogs

Social

- Facebook
- Twitter
- Google+ < really?

Heading level 2

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Author Name

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Heading level 2



Ut vitae tristique magna. In hac habitasse platea dictumst. Aliquam tempor dolor in ante porta, quis convallis metus laoreet. Ut a magna mauris. Vestibulum blandit ante vitae felis gravida hendrerit. Nulla eleifend vel diam non viverra. Nuliam at maximus mi. Integer luctus quis felis vitae ornare. Ut eu consequat libero.

Maecenas eleifend sapien felis, quis interdum ex tempor a. Aenean sodales, eros ac fermentum elementum, enim nisi finibus nisi, sed tempus turpis mauris ac quam. Aenean ac leo vel ante sollicitudin consequat in ut augue. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Duis sodales odio diam. Phasellus ultricies faucibus massa sit amet pharetra.

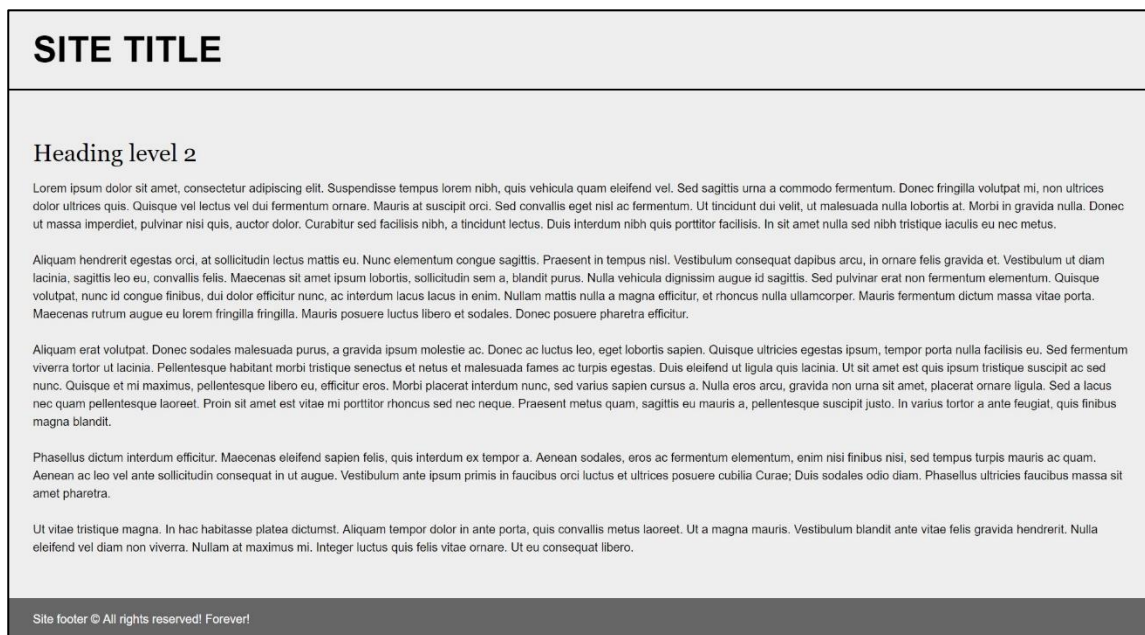
- Change the document title to "Blog Layout - Flexbox"

Requirements

- The entire content must be in **div** container with **class** page (**div.page**)
- The page container (**div**) must be **flexed** and **wrapped**
- **Body background** color must be **rgb(238, 238, 238)**
- **Image background** color should be **rgb(255, 255, 255)**
- **Blockquote** font family must be **Georgia, serif**
- The **anchors** text **color** in the aside section must be **rgb(0, 153, 0)**
- Page **headings** font family must be **Georgia, serif**

17. Sticky Footer – Flexbox

Create a web page like the following:



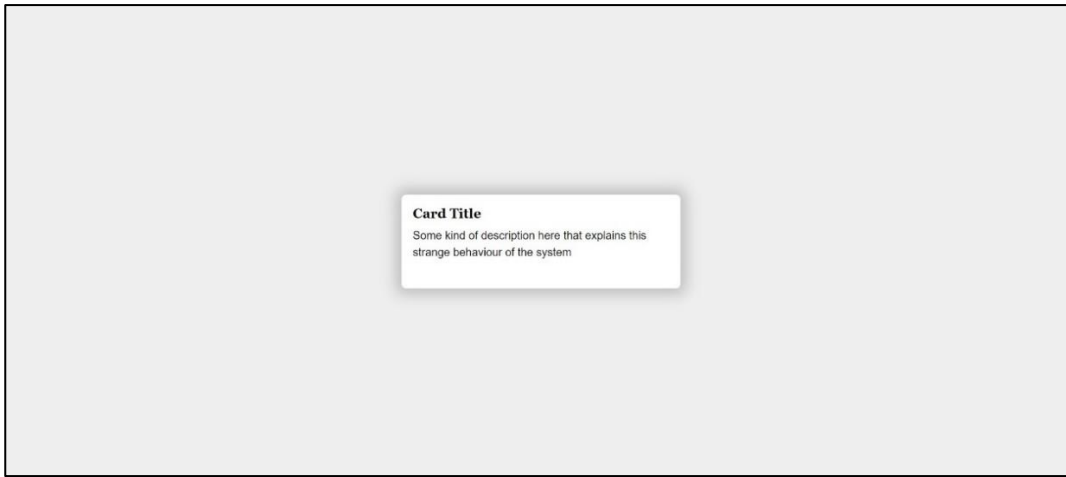
- Change the document title to "Sticky Footer - Flexbox"

Requirements

- Divide your content into **header**, **main** and **footer** tags
- The **body** must have **flex** display property
- The **body background** must be **rgb(238, 238, 238)**
- Set **height** to the body: **100vh**
- Font family **Helvetica, sans-serif**
- The **footer** should be at the bottom of the page
 - The **footer** text color must be **rgb(255, 255, 255)**
 - The **footer** background color must be **rgb(102, 102, 102)**

18. Center Flexbox

Create a web page like the following:



- Change the document title to "**Center Flexbox**"

Requirements

- The **body background** color must be **rgb(238, 238, 238)**
- The body **display** property must be **flex**
- The content must be placed into **div** with **class** card (**div.card**)
 - The **div** background color must be **rgb(255, 255, 255)**