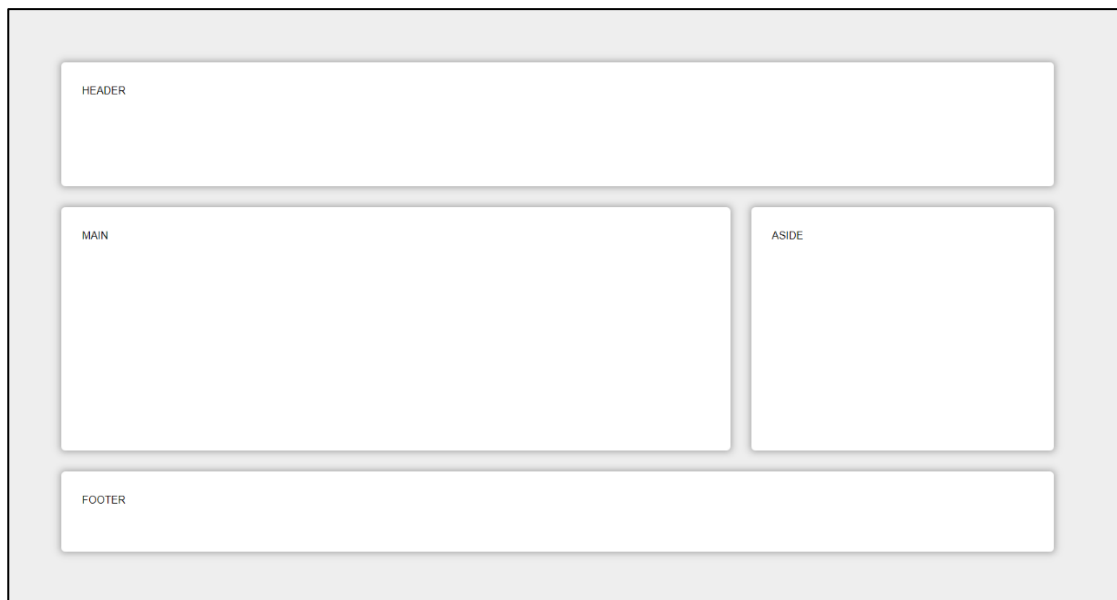


Exercise: Flexbox

Problems for exercises and homework for the ["HTML and CSS" course @ SoftUni](https://judge.softuni.org/Contests/3335/Flexbox). Submit your solutions in the SoftUni Judge system at <https://judge.softuni.org/Contests/3335/Flexbox>.

1. 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;

2. FlexModel Articles

Create a web page like the following:

The power of music

We can all think of at least one song that, when we hear it, triggers an emotional response. It might be a song that accompanied the first dance at your wedding, for example, or a song that reminds you of a difficult break-up or the loss of a loved one.

Reducing pain and anxiety

By analyzing 72 randomized controlled trials involving more than 7,000 patients who received surgery, researchers found those who were played music after their procedure reported feeling less pain and anxiety than those who did not listen to music, and they were also less likely to need pain medication.

An effective stress reliever

The study researchers, including Prof. Isabelle Peretz of the Center for Research on Brain, Music and Language at the University of Montreal in Canada, suggested the repetitive pattern of the music the infants listened to reduced distress, possibly by promoting "entrainment".

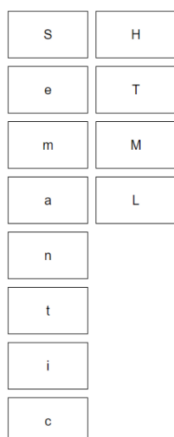
- Change the document **title** to "**Articles**"

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**

3. 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**

4. 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**

5. Navigation Flexbox

Create a web page like the following:



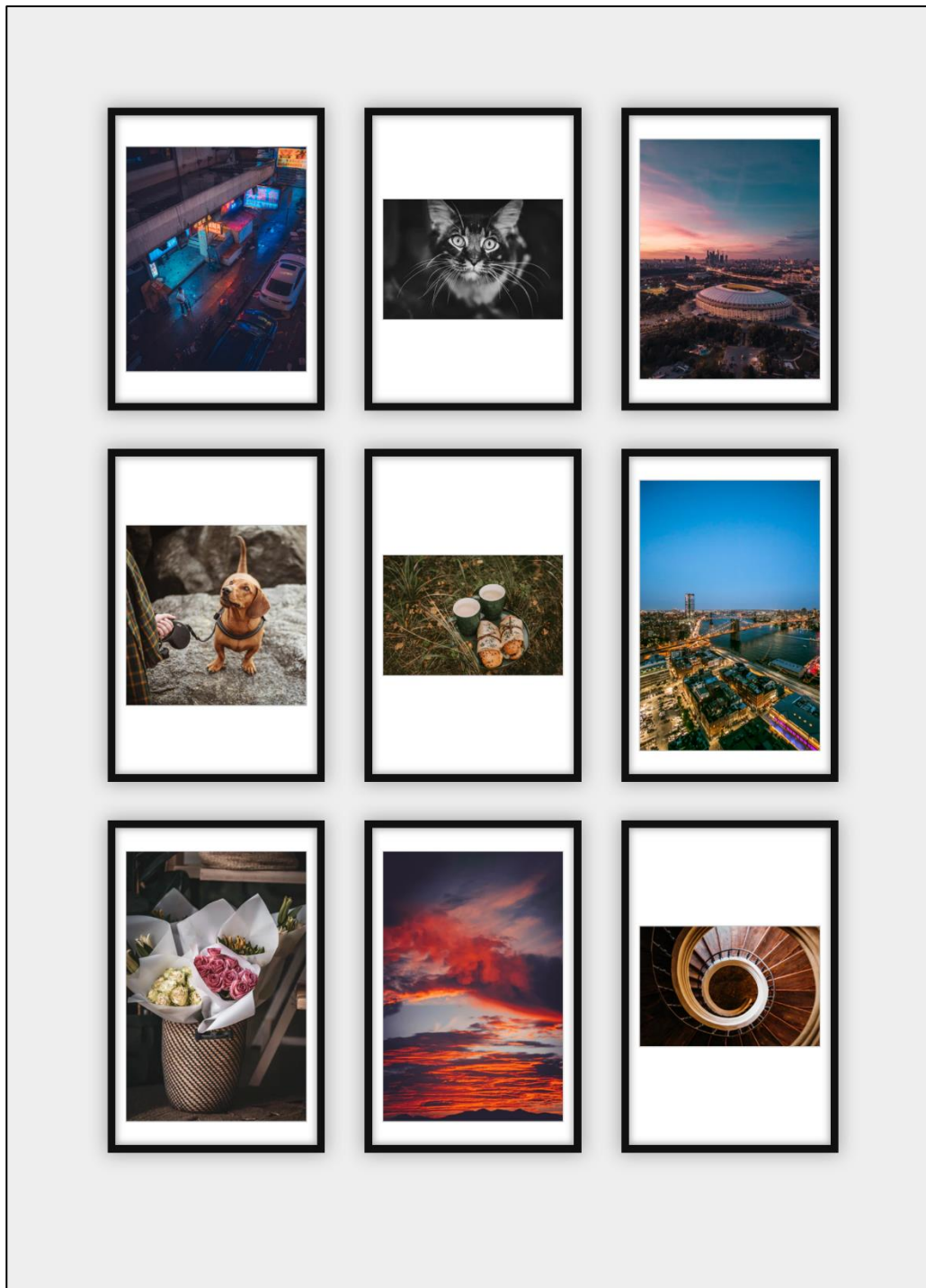
- Change the document title to "Navigation - Flexbox"

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)**

6. Photo Gallery – Flexbox

Create a web page like the following:



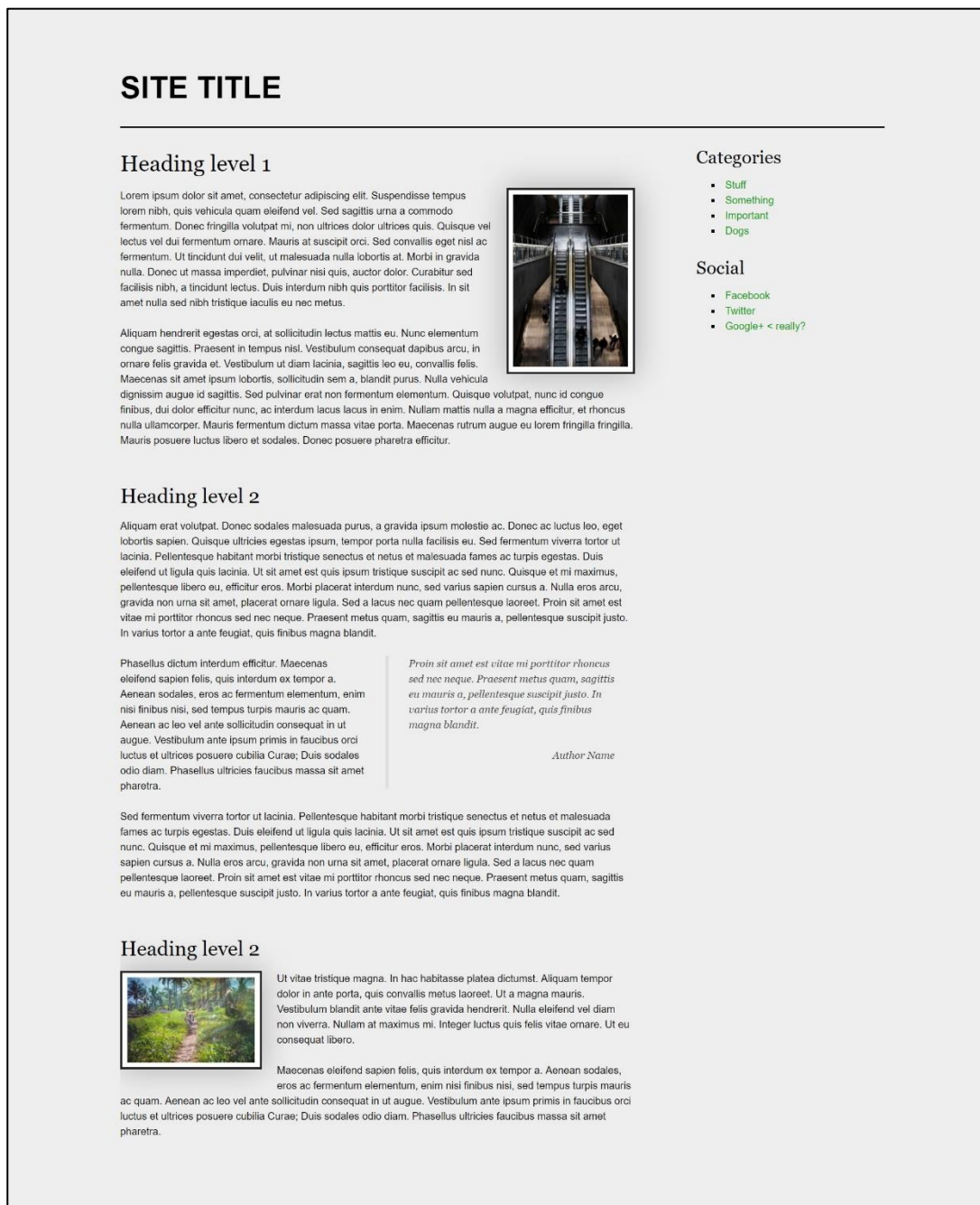
- Change the document title to "**Photo Gallery - Flexbox**"

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**

7. Blog Layout – Flexbox

Create a web page like the following:



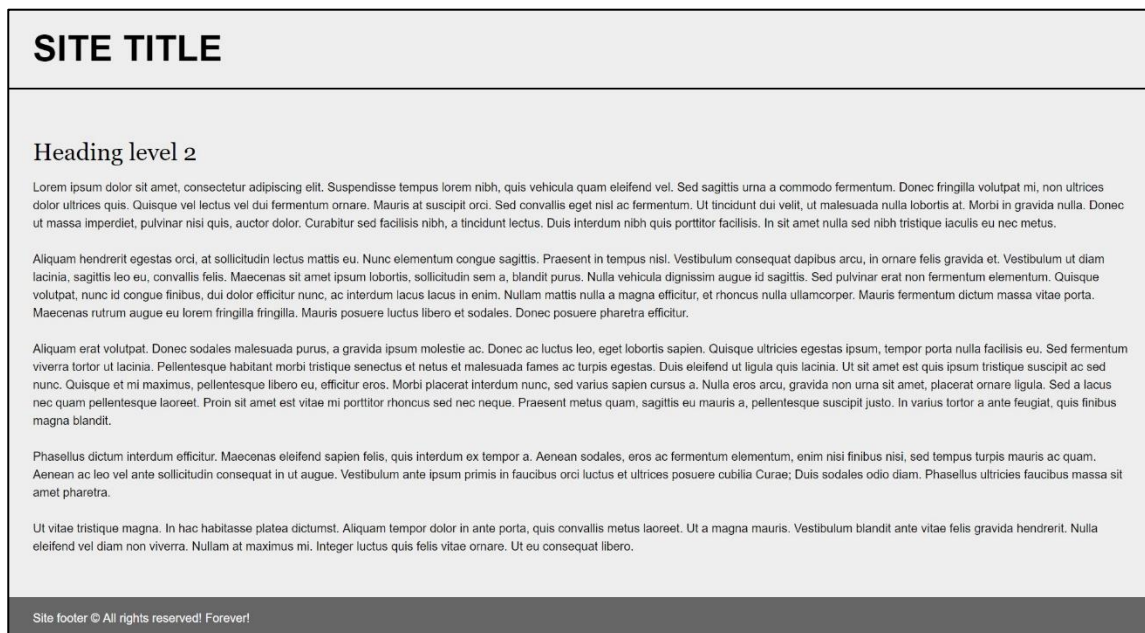
- Change the document title to "Blog Layout - Flexbox"

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**

8. Sticky Footer – Flexbox

Create a web page like the following:



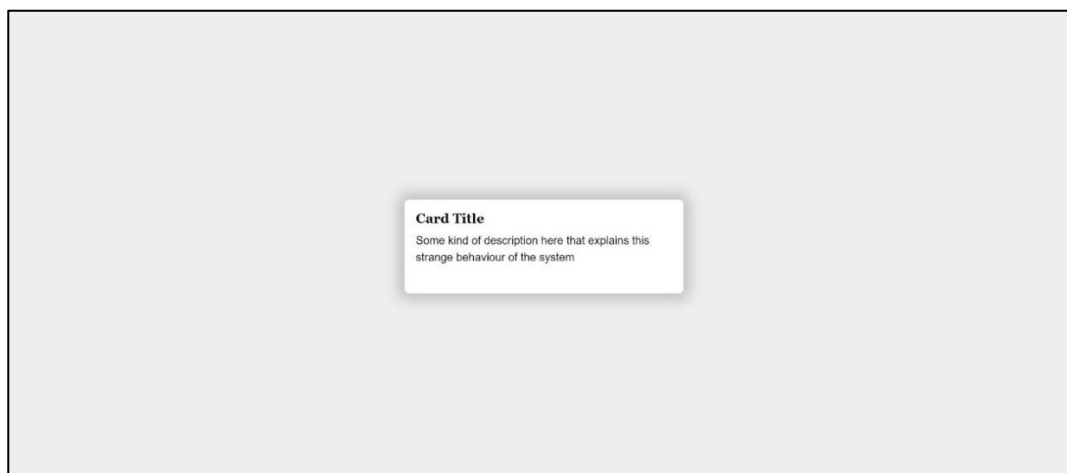
- Change the document title to "Sticky Footer - Flexbox"

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)**

9. Center Flexbox

Create a web page like the following:



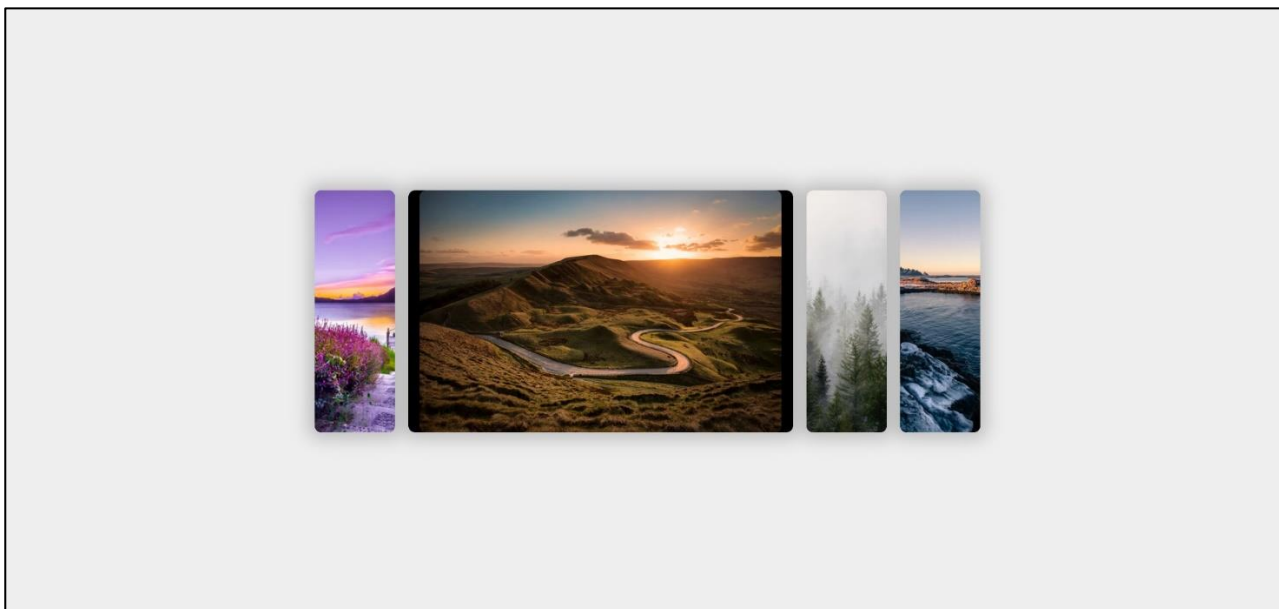
- Change the document title to "**Center Flexbox**"

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)**

10. Expanding Flex Cards

Create a web page like the following:



- Change the document title to "**Expanding Flex Cards**"

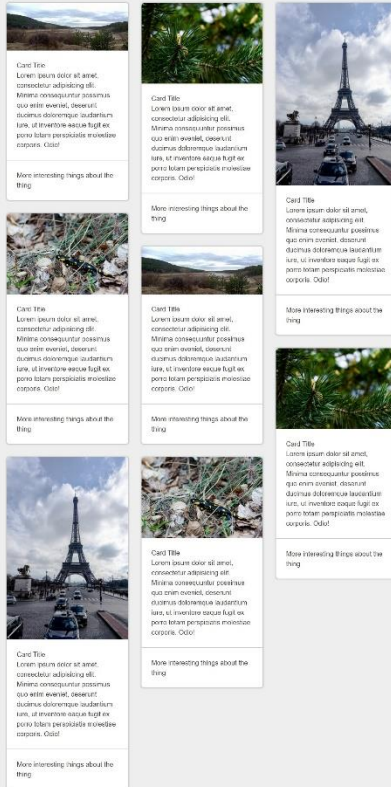
Requirements

- Body background color must be **rgb(238, 238, 238)**
- The body display property must be **flex**
 - Align the items in **center**
- The entire page content must be inside **section** with class named **container** (**section.container**)
- The container display property must be **flex**

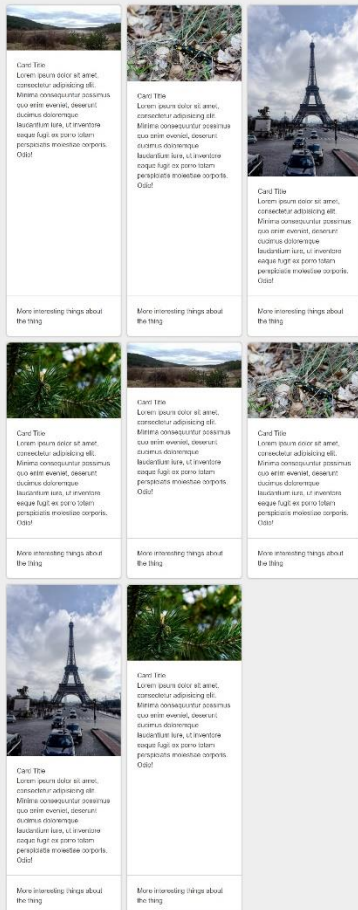
11. Cards with CSS Columns and Flexbox

Create a web page like the following:

Layout Masonry



Layout Flex



- Change the document title to "Cards with CSS Columns and Flexbox"

Requirements

- Body **background** color must be **rgb(238, 238, 238);**
- Use **h2** for the heading
- The content should be divided in two parts:
 - First part is container unit (**div**) with classes **cards-layout** and **masonry**
- Second part is container unit (**div**) with classes **cards-layout** and **flex**
- Every "**card**" has:
 - **img tag**
 - **section**
 - **h3 tag**
 - **p tag**
 - **footer**