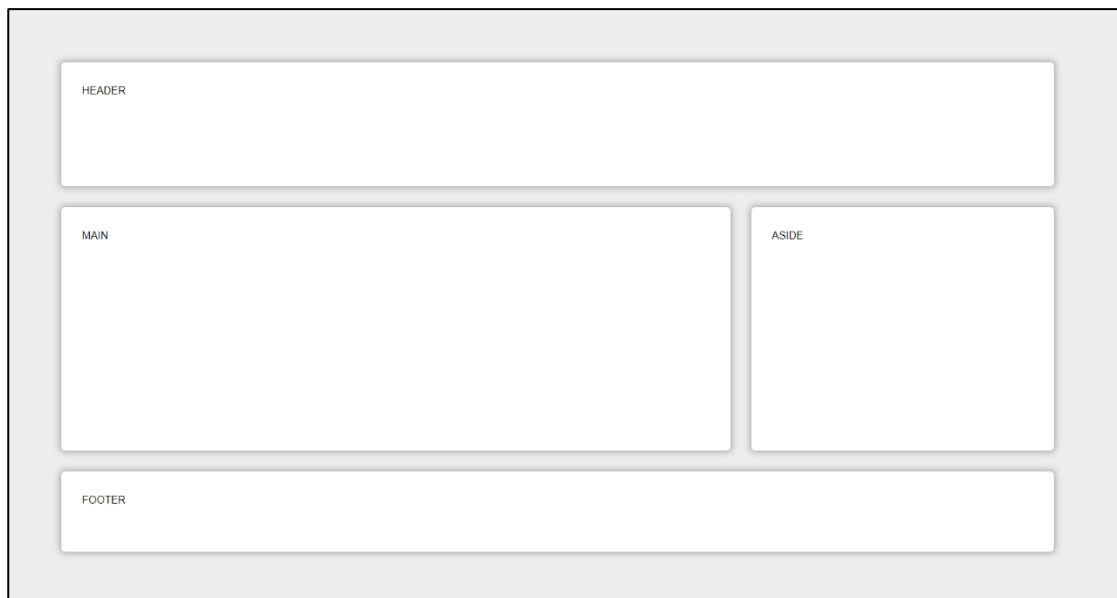


Exercise: Flexbox

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
- Set to the body display property **flex**
- Each element must have **flex grow**, **flex shrink** and **flex basis**

2. FlexModel Articles

Create a web page like the following:



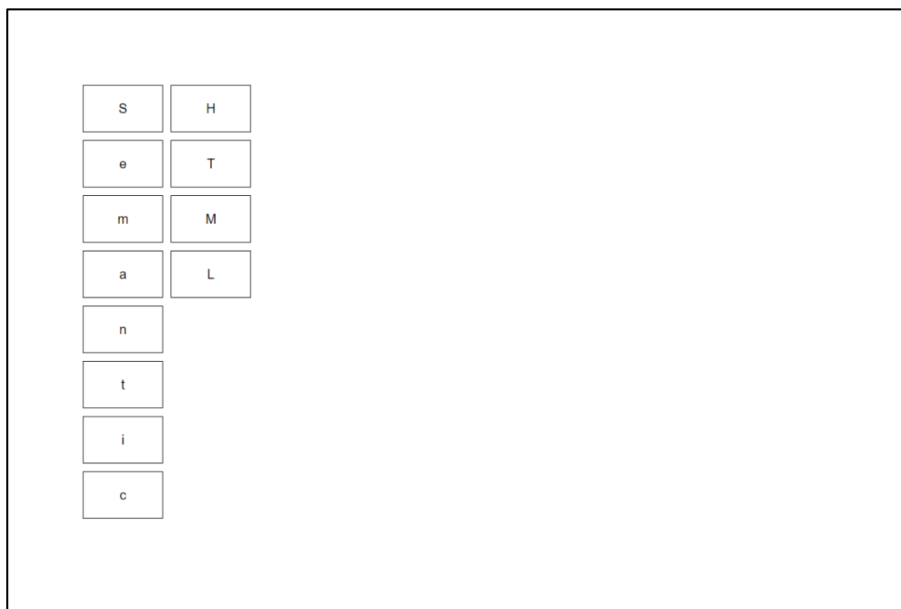
- Change the document **title** to "**Articles**"

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 font size **16px** and line height **1.5** for the **html**
 - Font family **Georgia, serif** with font size **1em** and 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:



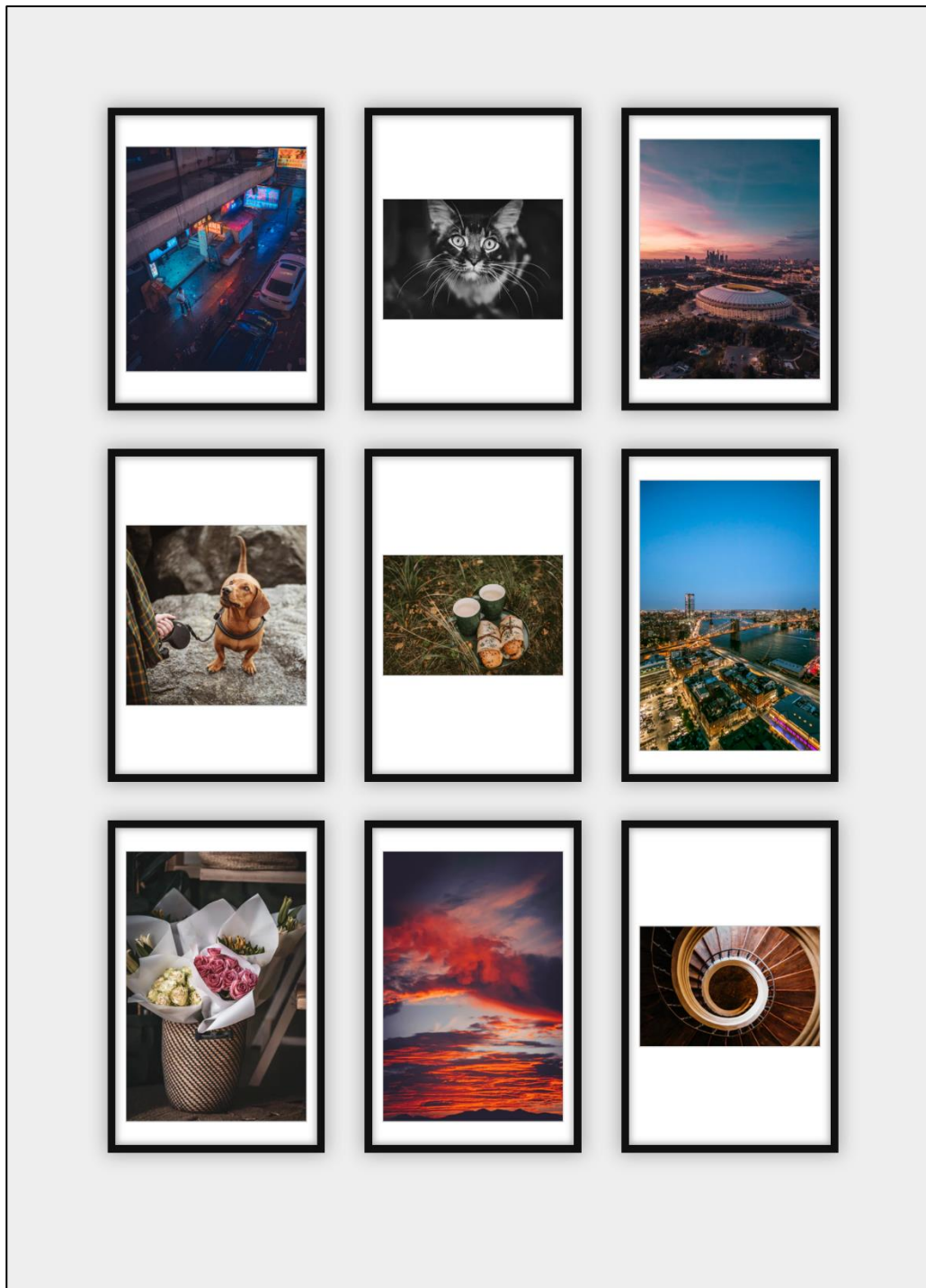
- Change the document title to "Navigation - Flexbox"

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:



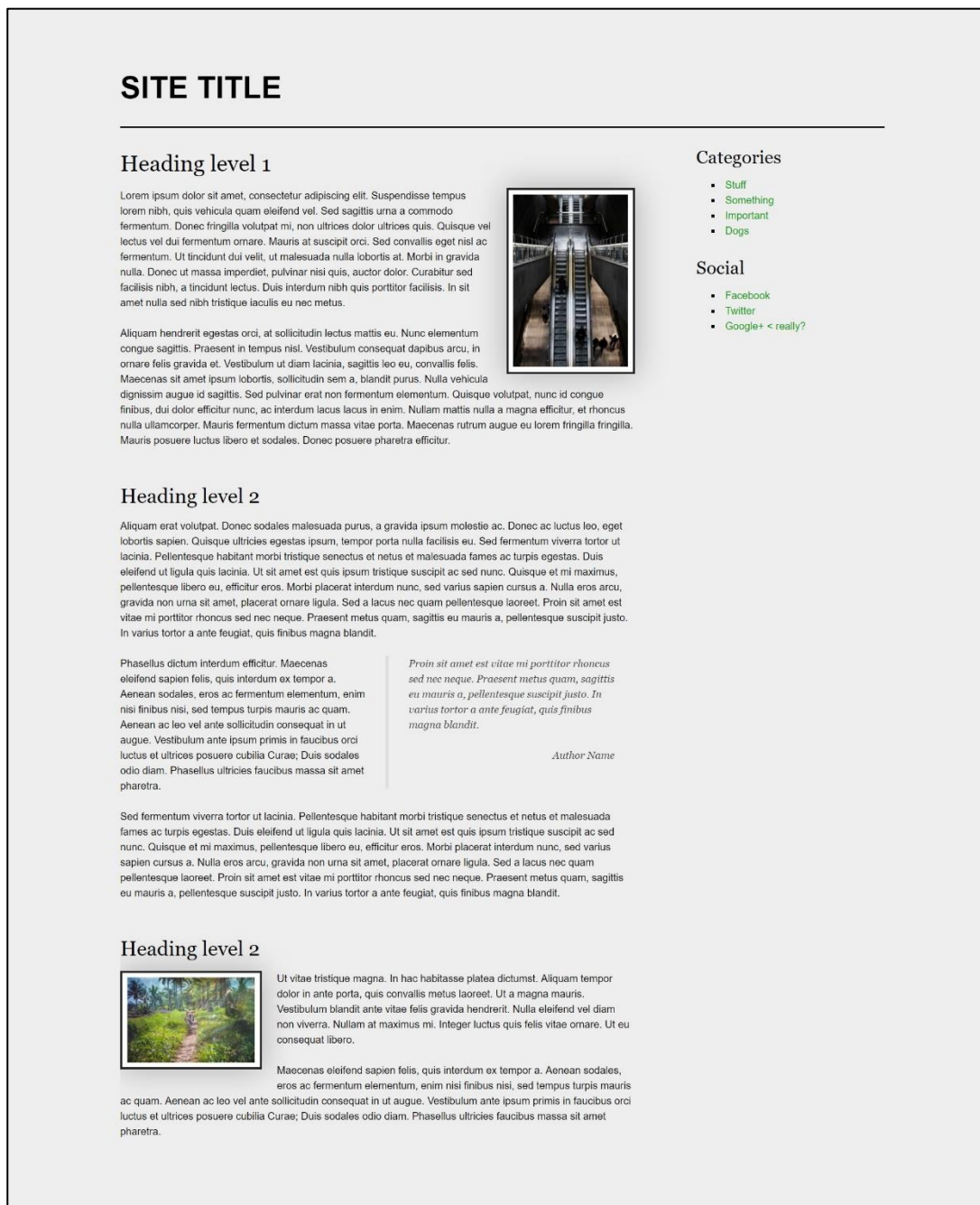
- Change the document title to "Photo Gallery - Flexbox"

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:



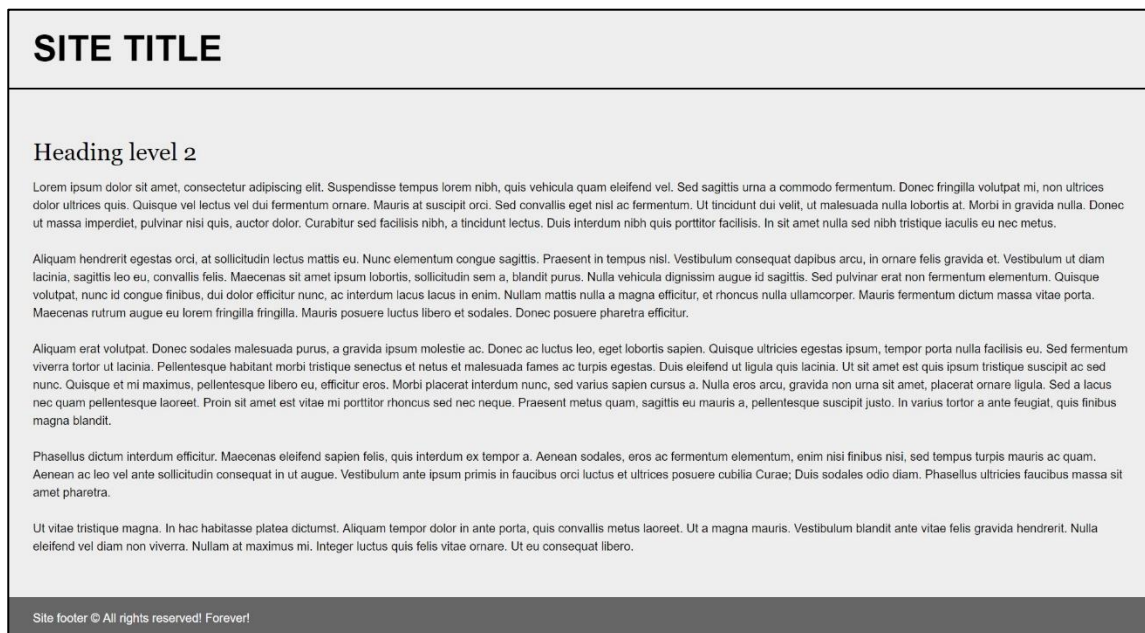
- Change the document title to "Blog Layout - Flexbox"

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:



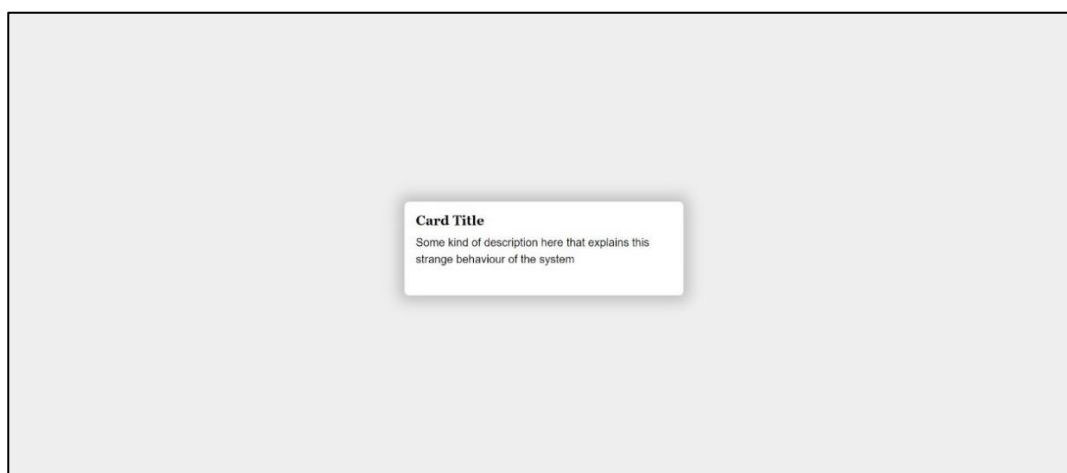
- Change the document title to "Sticky Footer - Flexbox"

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:



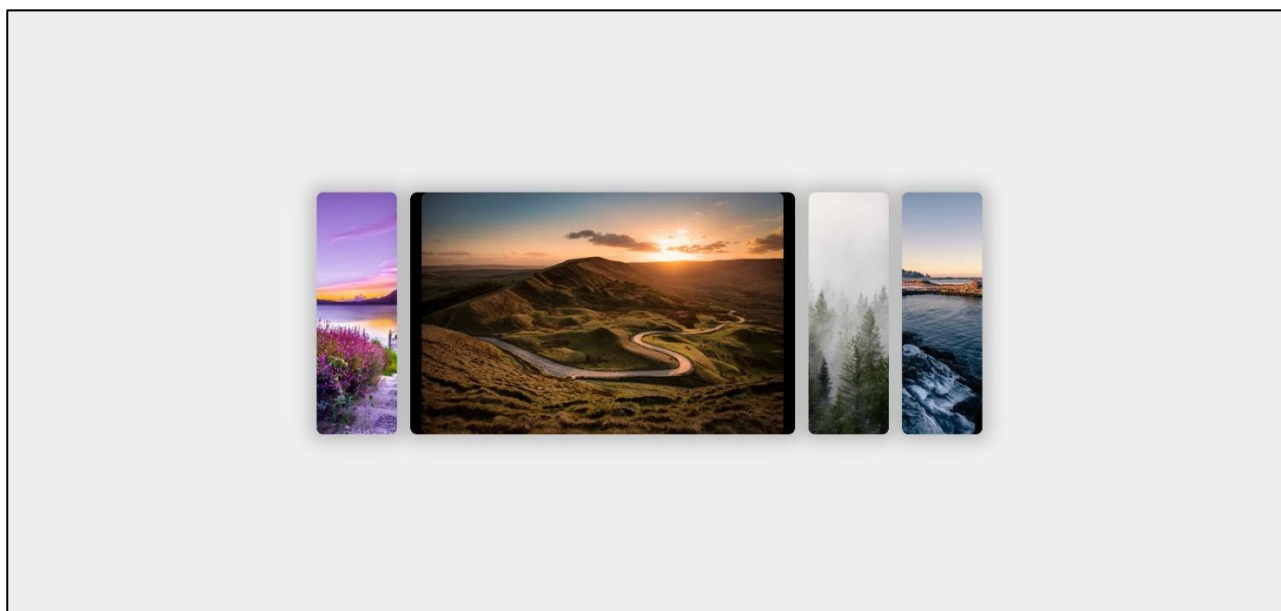
- Change the document title to "**Center Flexbox**"

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**"

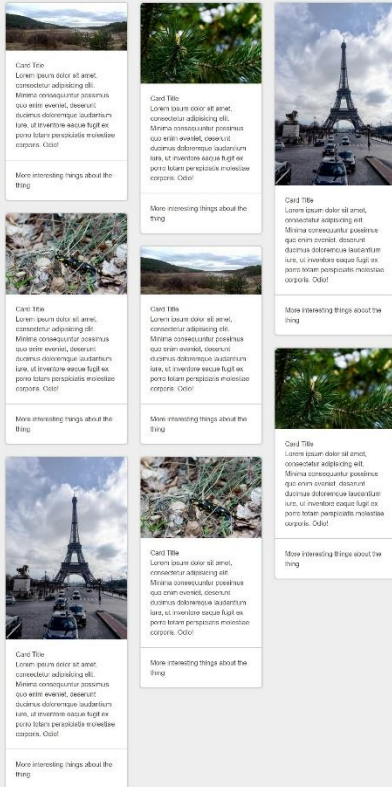
Requirements

- 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**

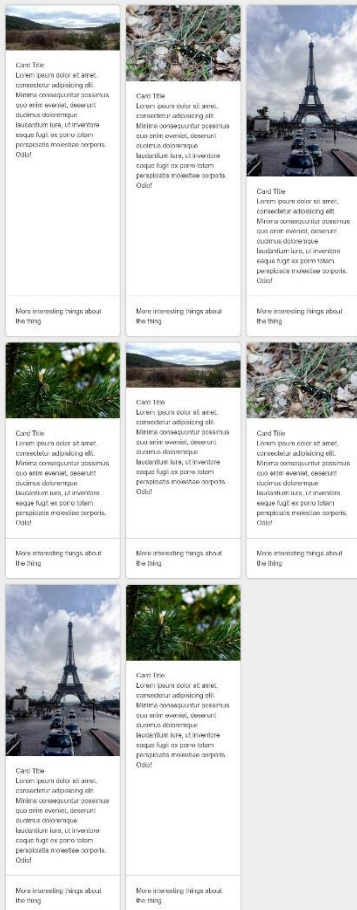
11. Cards with CSS Columns and Flexbox

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**