**01. Media Query Less Layout Using Flexbox**

Problems for in-class lab for the [“HTML & CSS”](https://softuni.bg/trainings/2375/html-and-css-may-2019) course @ **SoftUni**.

Submit your solutions in the [SoftUni Judge System](https://judge.softuni.bg/Contests/1236/Flexbox).

**Tasks**

* Create an **"index.html"** file with title - **Media Query Less Layout Using Flexbox**
* Look at the screenshot. 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**.

**Constraints**

* Create a HTML [layout](https://www.w3schools.com/html/html_layout.asp) using semantic elements

# 02 - FlexModel Articles

Problems for in-class lab for the [“HTML & CSS”](https://softuni.bg/trainings/2375/html-and-css-may-2019) course @ **SoftUni**.

Submit your solutions in the [SoftUni Judge System](https://judge.softuni.bg/Contests/1236/Flexbox).

## Tasks

* Create an "index.html" and "styles.css" files
* Change the document **title** to **Articles**
* Create a **section** with three **articles** inside
  + The **article** should have a **h2** title and a **paragraph**

## Constraints

* 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

# 03 - ABC Game

Problems for in-class lab for the [“HTML & CSS”](https://softuni.bg/trainings/2375/html-and-css-may-2019) course @ **SoftUni**.

Submit your solutions in the [SoftUni Judge System](https://judge.softuni.bg/Contests/1236/Flexbox).

## Tasks

* Create an "index.html" and "styles.css" files
* Change the document **title** to **ABC Game**
* Create a **div** with class **container** and twelve **span** inside
* Тype the letters in the spans **EXACTLY** as they are in the file **text.txt**

## Constraints

* 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**

# 04 - FlexModel Calendar

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Submit your solutions in the [SoftUni Judge System](https://judge.softuni.bg/Contests/1236/Flexbox).

## Tasks

* Create an "index.html" and "styles.css" files
* Change the document **title** to **Calendar**
* 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

## Constraints

* 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**

# 05. Navigation - Flexbox

Problems for in-class lab for the [“HTML & CSS”](https://softuni.bg/trainings/2375/html-and-css-may-2019) course @ **SoftUni**.

Submit your solutions in the [SoftUni Judge System](https://judge.softuni.bg/Contests/1236/Flexbox).

## Tasks

* Create an **"index.html"** file with title - **"Navigation - Flexbox"**

## Constraints

* Divide the body into **header** and **main** tag
* The **underline** 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)**

# 06 - Photo Gallery - Flexbox

Problems for in-class lab for the [“HTML & CSS”](https://softuni.bg/trainings/2375/html-and-css-may-2019) course @ **SoftUni**.

Submit your solutions in the [SoftUni Judge System](https://judge.softuni.bg/Contests/1236/Flexbox).

## Tasks

* Create an **"index.html"** file with title - **"Photo Gallery - Flexbox"**

## Constraints

* 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**

# 07 - Blog Layout - Flexbox

Problems for in-class lab for the [“HTML & CSS”](https://softuni.bg/trainings/2375/html-and-css-may-2019) course @ **SoftUni**.

Submit your solutions in the [SoftUni Judge System](https://judge.softuni.bg/Contests/1236/Flexbox).

## Tasks

* Create an **"index.html"** with title - **"Blog Layout - Flexbox"**
* The entire content must be in **div** container with class **page** (div.page)

## Constraints

* The page **container (div)** has to 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 has to be **Georgia, serif**
* The **anchors** text color in the **aside** section must be **rgb(0, 153, 0)**
* Page **headings** font-family has to be **Georgia, serif**

# 08 - Sticky Footer - Flexbox

Problems for in-class lab for the [“HTML & CSS”](https://softuni.bg/trainings/2375/html-and-css-may-2019) course @ **SoftUni**.

Submit your solutions in the [SoftUni Judge System](https://judge.softuni.bg/Contests/1236/Flexbox).

## Tasks

* Create an **"index.html"** with title - **"Sticky Footer - Flexbox"**
* Divide your content into **header**, **main** and **footer** tags

## Constraints

* The **body** must have **flex** display property
* The body **background** must be **rgb(238, 238, 238)**
* Set **height** to the body: 100vh
* The **footer** should be at the bottom of the page
  + The footer **text color** has to be **rgb(255, 255, 255)**
  + The footer **background** color has to be **rgb(102, 102, 102)**

# 09 - Center Flexbox

Problems for in-class lab for the [“HTML & CSS”](https://softuni.bg/trainings/2375/html-and-css-may-2019) course @ **SoftUni**.

Submit your solutions in the [SoftUni Judge System](https://judge.softuni.bg/Contests/1236/Flexbox).

## Tasks

* Create an **"index.html"** file with title - **"Center Flexbox"**

## Constraints

* The document **background** color has to be **rgb(238, 238, 238)**
* The body **display** propery has to be **flex**
* The **content** must be placed into **div** with **class card** (div.card)
  + The div **background** color has to be **rgb(255, 255, 255)**

# 10 - Expanding Flex Cards

Problems for in-class lab for the [“HTML & CSS”](https://softuni.bg/trainings/2375/html-and-css-may-2019) course @ **SoftUni**.

Submit your solutions in the [SoftUni Judge System](https://judge.softuni.bg/Contests/1236/Flexbox).

## Tasks

* Create an **"index.html"** file with title - **Expanding flex cards**
* Use the images provided in the **resources** folder

## Constraints

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

# 11 - Cards with CSS Columns and Flexbox

Problems for in-class lab for the [“HTML & CSS”](https://softuni.bg/trainings/2375/html-and-css-may-2019) course @ **SoftUni**.

Submit your solutions in the [SoftUni Judge System](https://judge.softuni.bg/Contests/1236/Flexbox).

## Tasks

* Create an **"index.html"** with title - **Cards with CSS columns and Flexbox**
* Use the images from the **resources** folder

## Constraints

* Body **background color** must be **rgb(238, 238, 238)**
* 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**
* Use **h2** for the heading