Flexbox

HTML CSS Frontend My learning(/planning/me)

Weight: 1

Projects(/projects/current)

Project over - took place from Jul 15, 2024 6:00 AM to Jul 22, 2024 6:00 AM

An auto QA review will be launched at the deadline

QA reviews I can make(/corrections/to_review)

Evaluation quizzes(/dashboards/my_current_evaluation_quizzes)

Curriculums(/dashboards/my_curriculums)

Concepts(/concepts)

Conference rooms(/dashboards/video_rooms)

Servers(/servers)

Sandboxes(/user_containers/current)

Tools(/dashboards/my_tools)

Video on demand(/dashboards/videos)

Peers(/users/peers)

Discord(https://discord.com/app)

Resources

My Profile(/users/my_profile)

Read or watch:

- A Complete Guide to Flexbox | CSS-Tricks (/rltoken/LCE50qV1AVEaeaMudweMCg)
- Flexbox Froggy - A game for learning CSS flexbox (/rltoken/IcenrK3aNIqB14sqDkB6Rw)
- Flexbox Defense (/rltoken/2q0Ebc98U3vlRmbtL-ec0g)
- Flexbox Cheatsheet (/rltoken/gaFZ1mN2qWrzrn09Sb6A2g)
- CSS Flexible Box Layout - CSS: Cascading Style Sheets | MDN (/rltoken/2JazfVMAZYlHMvtuzoVP8Q)
- afonsopacifer/awesome-flexbox: A curated list of CSS Flexible Box Layout Module or only Flexbox. (/rltoken/YFWUfeS6FocKQ5U21YHjWw)
- Build with Flexbox (/rltoken/rltuRbJcxgvkpe6iuV2MfHA)
- Flexplorer (/rltoken/fLtMr9fcwVXtRdcHvwXMVw)
- CSS Flexible Box Layout Module Level 1 (/rltoken/KqtywvoD55hRnNl0z4My7A)
- FLEX: A simple visual cheatsheet for flexbox (/rltoken/KQx8A_LE7RBN5w-JjgrBYQ)

Learning Objectives

At the end of this project, you are expected to be able to explain to anyone (/rltoken/v2CKESQJ3VL7SBBuAE2auA) **without the help of Google**:

- What is Flexbox?
- How to convert float positioning to a flex display
- How to horizontally and vertically align elements using Flexbox
- The difference between the main and cross axes
- Properties that work on flex elements vs flex container
- Shorthands for flex
- How to create a new page with flex in mind

Requirements

- Allowed editors: `vi`, `vim`, `emacs`
- A `README.md` at the root of the project directory is mandatory
- All of your code will be executed on Ubuntu 18.04 using Python 3.7.x
- All of your files should end with a new line

Files

Required images for your HTML files

Download the images linked in the **CSS Advanced** project and place them into an images directory at the root of the project.

(/)
Home(/)
My Planning(/planning/me)
Projects(/projects/current)
QA Reviews (can make/corrections/to_review)
Evaluation quizzes(/dashboards/my_current_evaluation_quizzes)
Curriculums(/dashboards/my_curriculums)
Concepts(/concepts)
Conference rooms(/dashboards/video_rooms)
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Discord(https://discord.com/app)
My Profile(/users/my_profile)

HTML starter file

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, viewport-fit=cover">
    <title>Homepage - Techium</title>
    <meta name="description" content="Description of the page less than 150 characters">
    <link rel="icon" type="image/png" href="images/favicon.jpg">
    <link href="https://fonts.googleapis.com/css?family=Open+Sans:400,700|Raleway:700&display=swap" rel="stylesheet">
    <link rel='stylesheet' href='styles.css'>
  </head>
  <body>
    <!– Header –>
    <header class="header" data-section-theme="dark">
      <div class="container">
        <div class="header-logo">
          <a href="#">
            <img src="images/logo-white.png" alt="Techium logo" width="160" height="40">
          </a>
        </div>
```

CSS starter file

Click to expand/hide file contents

Files for tasks 10 and onward

`article.html`

(/)
Home(/)
My Planning(/planning/me)
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Peers(/users/peers)
Discord(https://discord.com/app)
My Profile(/users/my_profile)

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, viewport-fit=cover">
    <title>Article - Techium</title>
    <meta name="description" content="Description of the page less than 150 characters">
    <link rel="icon" type="image/jpg" href="../images/favicon.jpg">
    <link href="https://fonts.googleapis.com/css?family=Open+Sans:400,700|Raleway:700&display=swap"
rel="stylesheet">
    <link rel="stylesheet" href="00-styles.css">
  </head>
  <body>
    <!– Header –>
    <header class="header" data-section-theme="dark">
      <div class="container">
        <div class="header-container">
          <div class="header-logo">
            <a href="/">
              <img src="images/logo-white.png" alt="Techium logo" width="160" height="40">
            </a>
```

Home(/)

My Planning(/planning/me)

Projects(/projects/current)

QA Reviews I can make(/corrections/to_review)

Evaluation quizzes(/dashboards/my_current_evaluation_quizzes)

Curriculums(/dashboards/my_curriculums)

Concepts(/concepts)

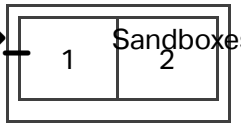
Quiz questions

Conference rooms(/dashboards/video_rooms)

Question #0

Servers(/servers)

What’s the “flex” equivalent of:



Sandboxes(/user_containers/current)

Tools(/dashboards/my_tools)

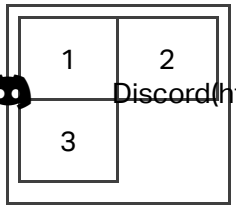
- ◯ flex-direction: column
- ◯ flex-direction: row

Video on demand(/dashboards/videos)

Question #1

What’s the “flex” equivalent of:

Peers(/users/peers)



Discord(https://discord.com/app)

- ◯ Container: `flex-direction: row + flex-wrap: wrap`
- ◯ Container: `flex-direction: row + flex-wrap: nowrap`

My Profile(/users/my_profile)

- Container: `flex-direction: column + justify-content: center`
- Container: `flex-direction: row` / last item: `flex-grow: 2`

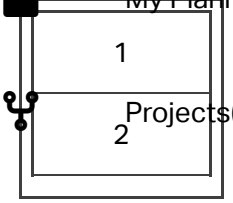
(/)

Home(/)

Question #2

What's the "flex" equivalent of:

My Planning(/planning/me)



Projects(/projects/current)

QA Reviews I can make(/corrections/to_review)

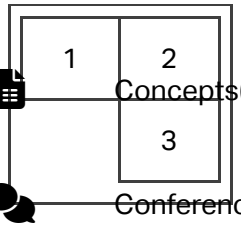
- flex-direction: column
- flex-direction: row

Evaluation quizzes(/dashboards/my_current_evaluation_quizzes)

Question #3

What's the "flex" equivalent of:

Curriculums(/dashboards/my_curriculums)



Concepts(/concepts)

Conference rooms(/dashboards/video_rooms)

- Container: `flex-direction: row + flex-wrap: wrap + justify-content: flex-start`
- Container: `flex-direction: row + flex-wrap: wrap + justify-content: flex-end`
- Container: `flex-direction: row + flex-wrap: nowrap + justify-content: flex-end`
- Container: `flex-direction: column + flex-wrap: wrap + justify-content: flex-end`

Servers(/servers)

Sandboxes(/user_containers/current)

Tools(/dashboards/my_tools)

Question #4

Which of these CSS attributes are part of the "Flex items"?

Video on demand(/dashboards/videos)

Select all correct answers

- [ ] align-content
- [ ] align-self
- [ ] flex-direction
- [ ] order
- [ ] flex-shrink

Peers(/users/peers)

Discord(https://discord.com/app)

Question #5

My Profile(/users/my_profile)

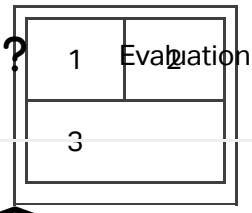
Which of these CSS attributes are part of the "Flex container"?

Select all correct answers

- [ ] order
- [ ] align-self
- [ ] align-items
- [ ] flex-wrap
- [ ] flex
- [ ] justify-content

Question #6

What's the "flex" equivalent of:



- ( ) Container: `flex-direction: row` / last item: `flex-grow: 1`
- ( ) Container: `flex-direction: column + flex-wrap: wrap`
- ( ) Container: `flex-direction: row + flex-wrap: wrap` / last item: `flex-grow: 0`
- ( ) Container: `flex-direction: row + flex-wrap: wrap` / last item: `flex-grow: 1`

Submit answers

Please make sure to validate all quiz questions before moving on to project tasks

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