

Live Cohort

DAY - 14

**CSS Notes: Flexbox, Icons, and
GitHub Hosting**

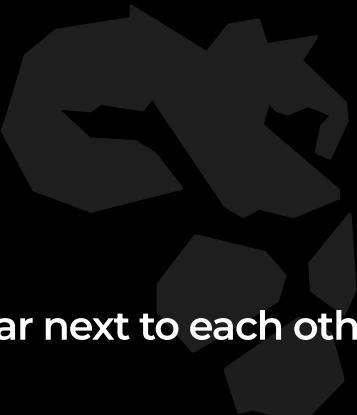
CSS Notes

1. Display Flex

Flexbox is a CSS layout mode used to arrange elements inside a container. It's very powerful for building responsive layouts easily.

```
● ● ●  
1 <div class="container">  
2   <div class="item">Box 1</div>  
3   <div class="item">Box 2</div>  
4   <div class="item">Box 3</div>  
5 </div>  
6
```

```
● ● ●  
1 .container {  
2   display: flex;  
3   background: lightgray;  
4 }  
5 .item {  
6   background: skyblue;  
7   padding: 20px;  
8   margin: 5px;  
9 }  
10
```



👉 Result: Items now appear next to each other in a single row.

2. Align Items

The align-items property controls the vertical alignment of flex items inside the container.

◆ Common Values

| Value | Description |
|------------|------------------------------------|
| flex-start | Align items at the top |
| flex-end | Align items at the bottom |
| center | Align items in the vertical center |

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stretch

(Default) Items stretch to fill container height

Example:



```
1 .container {  
2   display: flex;  
3   align-items: center;  
4   height: 200px;  
5   background: lightyellow;  
6 }  
7
```

👉 Use Case: Vertically centering buttons or icons inside a navigation bar.

3. Justify Content

The justify-content property controls the horizontal alignment of flex items.

◆ Common Values

| Value | Description |
|---------------|---------------------------|
| flex-start | Align items to the left |
| flex-end | Align items to the right |
| center | Align items in the center |
| space-between | Equal space between items |
| space-around | Equal space around items |
| space-evenly | Equal space everywhere |

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Example:



```
1 .container {  
2   display: flex;  
3   justify-content: space-between;  
4 }  
5
```

👉 Use Case: Spacing out navigation menu items evenly.

4. Gap

The gap property adds space between flex items — no need for margins!



Example:



```
1 .container {  
2   display: flex;  
3   gap: 20px;  
4 }  
5
```

👉 Use Case: Creating spacing between cards in a gallery layout.

5. Using Remix Icon

Remix Icon is a free icon library that's easy to use and lightweight.

✨ Steps to Use

1. Add the Remix Icon CSS link inside your HTML <head>:

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```
1 <link href="https://cdn.jsdelivr.net/npm/remixicon/fonts/remixicon.css" rel="stylesheet">
2
```

2. Use icons with the <i> tag:



```
1 <i class="ri-github-fill"></i>
2 <i class="ri-home-line"></i>
3
```

Example:

< i class="ri-github-fill"></i> → Displays the GitHub logo.

6. Hosting Website on GitHub Pages

⚠ Step 1: Create a GitHub Account

- Go to [GitHub](#)
- Sign up and verify your email.

⚠ Step 2: Create a Repository

1. Click New Repository
2. Name it (e.g., my-website)
3. Keep it Public
4. Click Create Repository

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A Step 3: Upload Your Files

1. Open your repository
2. Click Upload files
3. Drag and drop your index.html, style.css, etc.
4. Click Commit changes

A Step 4: Enable GitHub Pages

1. Go to Settings → Pages
2. Under Source, select main branch
3. Save it
4. GitHub will provide a live link like this:
🔗 <https://yourusername.github.io/my-website/>

👉 Result: Your website is now live for free! 🎉

💡 Real-life Example

Developers often use GitHub Pages to host portfolio websites, resumes, and project demos without paying for hosting.



Summary

CSS Notes

| Concept / Property | Description | Example |
|--------------------|-----------------------------------|---------------------------------|
| display: flex | Arranges items in a row or column | display: flex; |
| align-items | Controls vertical alignment | align-items: center; |
| justify-content | Controls horizontal alignment | justify-content: space-between; |
| gap | Adds spacing between items | gap: 20px; |
| Remix Icon | Free icon library | <i class="ri-github-fill"></i> |
| GitHub Pages | Free hosting service for websites | GitHub → Settings → Pages |