

Lab 3: Flex, Grid and Media query

Goal: Build **one complete responsive web page** using **Flexbox**, **CSS Grid**, **cards with images**, and **@media queries**.

In this lab, students will design and implement a **responsive course listing web page** using modern CSS layout techniques. The lab focuses on practical use of **Flexbox** for one-dimensional layouts and **CSS Grid** for two-dimensional layouts.

Students will start from a basic HTML structure and progressively enhance the page by:

- Creating a navigation bar using Flexbox
- Designing card components with images and text
- Arranging cards using CSS Grid
- Adding interactivity with hover effects
- Making the layout responsive for desktop, tablet, and mobile screens using @media queries



On desktop: cards show in grid and there are 3 cards per row.

MyWebsite

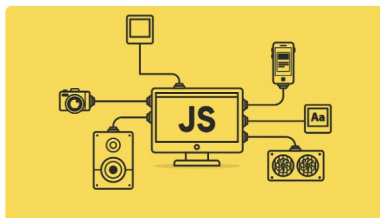
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Web Design

Learn HTML and CSS basics.



JavaScript

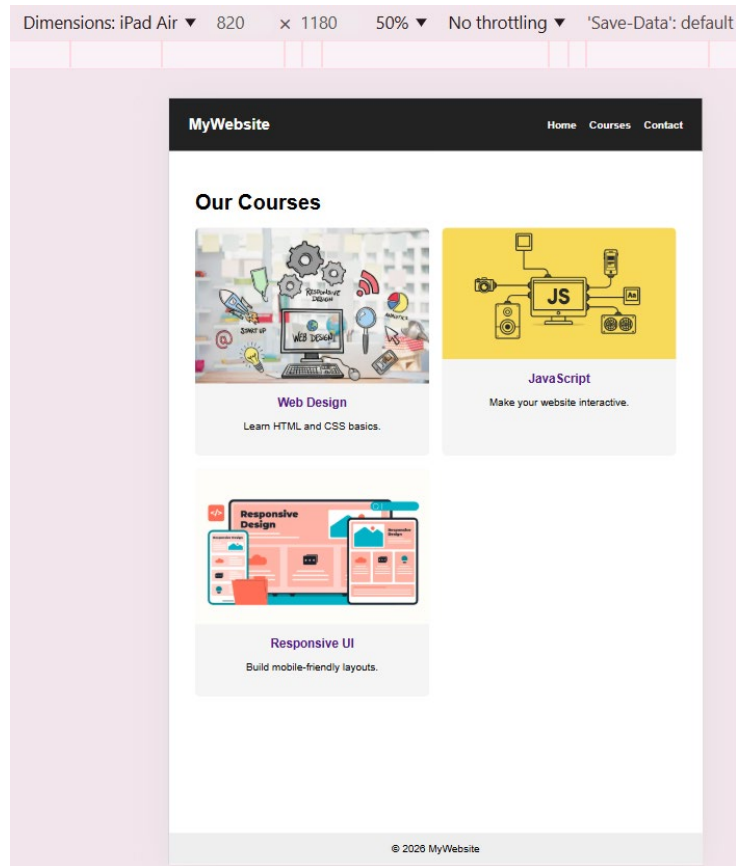
Make your website interactive.



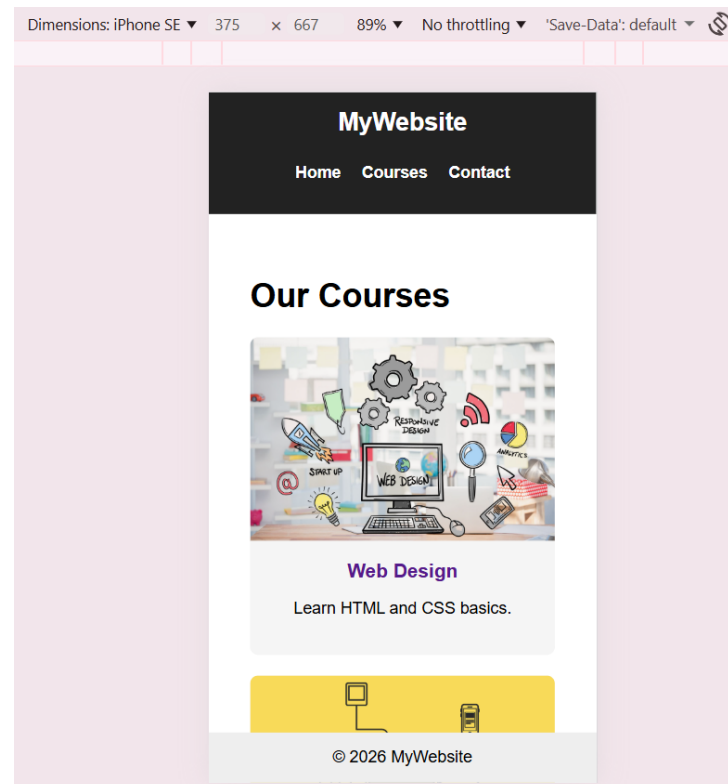
Responsive UI

Build mobile-friendly layouts.

 On iPad: cards show in grid and there are 2 cards per row.



 On mobile: cards stack vertically



Detail action:

1. When the cursor is on the menu: there will be underline and change the text color:

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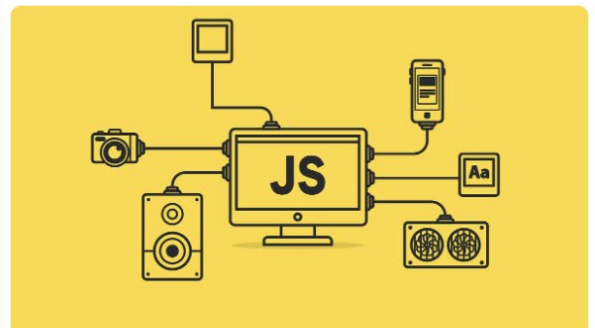
2. When there is **hover on card** there will be a shadow behind, and the **translateY -5px**
For shadow you can use: **box-shadow: 0 10px 20px rgba(0,0,0,0.15);**
Or generate from this website: [URL](#)

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