HTML and CSS

HTML, Structure, Tags, CSS, Styling, Layout Systems, Tables, Forms, JS

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SoftUni AI https://ai.softuni.bg

Agenda

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1. **Intro to HTML**: basic tags, page structure
2. **More HTML tags**: hyperlinks, lists, images, emojis
3. **Intro to CSS**: inline, internal, external CSS, styling page elements
4. **Browser Dev Tools**: inspecting page content in the Web browser
5. **CSS selectors** and **basic styling**: styling by class, id, nested styling
6. CSS **box model**, **inline** and **block** elements
7. CSS **layouts**: flexbox, grid and responsive layouts
8. HTML **tables**: tables, rows, columns, merged cells
9. HTML **forms**: form, action, data controls, submit
10. Integrating **JavaScript** in HTML, DOM Interaction

Sli.do Code

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Breaks

20:00 / 21:00

Welcome to HTML

HTML Page Structure, Simple Tags

HTML and CSS

- **HTML** and **CSS** are languages for creating Web sites
  - Display text, images, tables, forms, etc. in the Web browser
  - **HTML** – used to describe Web content, e. g. Web page
  - **CSS** – styling and formatting rules for HTML code

```
<h1>Languages</h1>
<ul>
  <li>JS</li>
  <li>Python</li>
  <li>PHP</li>
</ul>
```

```
h1 { color: #2E4AA7 }
li {
  display: inline;
  padding: 5px 10px;
  background: #CCC;
}
```

What is HTML?

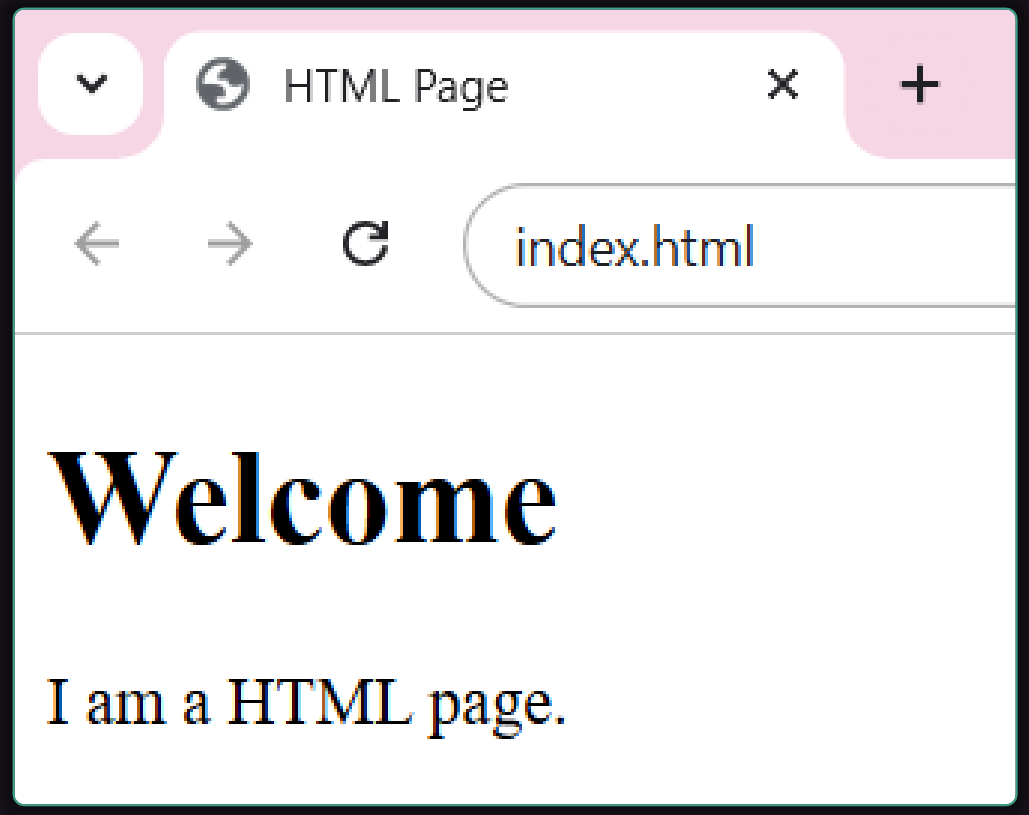
- **HTML** – simple language for describing Web content
  - Used to create Web pages, Web sites, Web apps
  - Displayed by Web browsers
  - Used together with **CSS** for styling
- HTML uses simple **text** with **tags**:

```
<h1>I am a Title</h1>
```

```
<p>I am a paragraph</p>
```

HTML Structure

- HTML page structure:
  <html>, <head>, <body>



index.html

```
<html>
  <head>
    <title>HTML Page</title>
  </head>
  <body>
    <h1>Welcome</h1>
    <p>I am a HTML page.</p>
  </body>
</html>
```

Headings and Paragraphs

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- Headings: <h1> … <h6>

```
<h1>Creating Web Sites</h1>
<h2>Intro to HTML</h2>
<h2>Intro to CSS</h2>
```

Creating Web Sites

Intro to HTML

Intro to CSS

- Paragraphs: …

```
<p>HTML describes Web content ...</p>
<p>CSS styles Web content ...</p>
```

HTML describes Web content ...

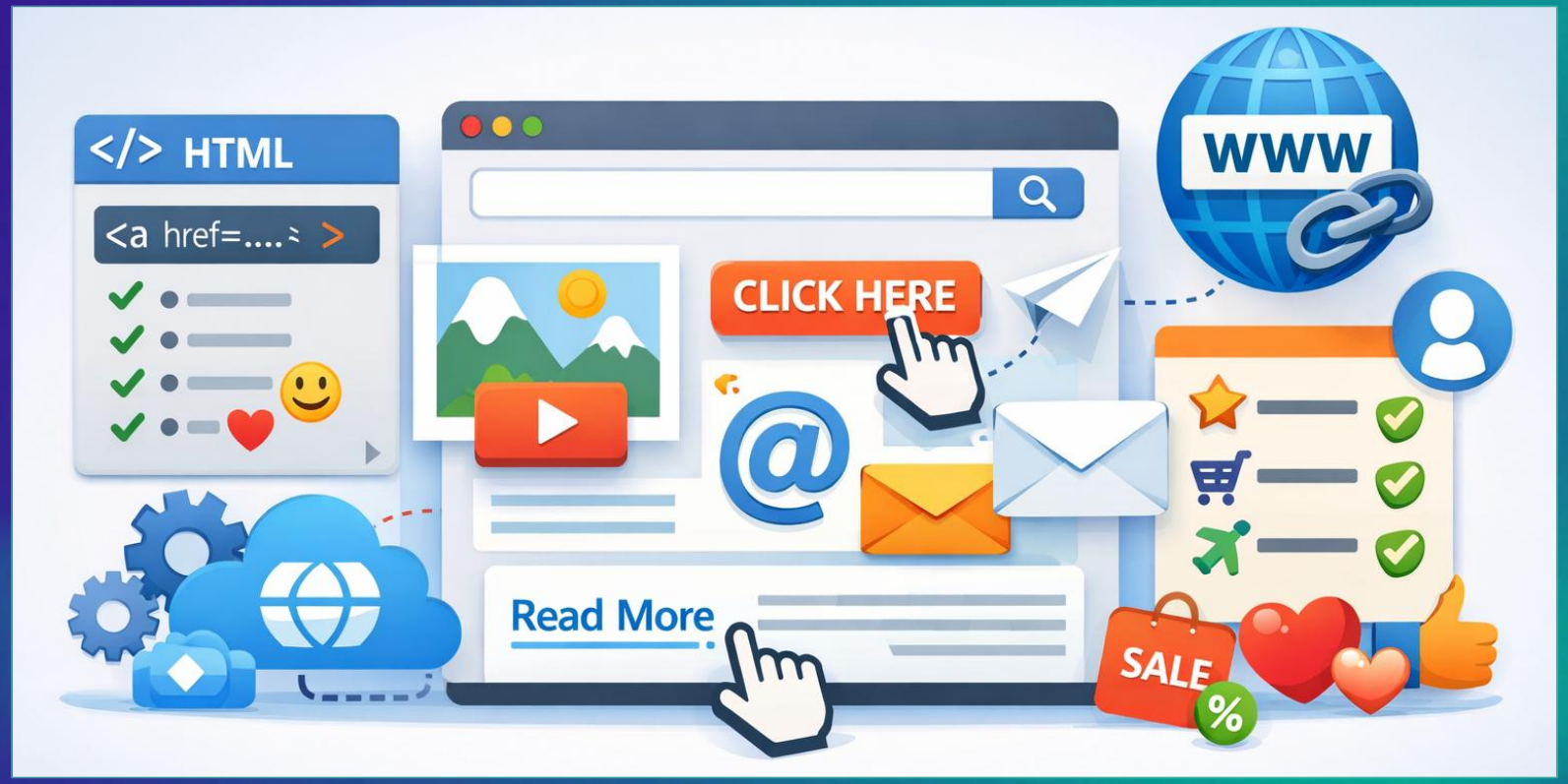
CSS styles Web content ...

HTML: Live Demo

Creating a Simple HTML Page: Head, Body, H1, P

More HTML Tags

Hyperlinks, Lists, Images, Emojis



Hyperlinks

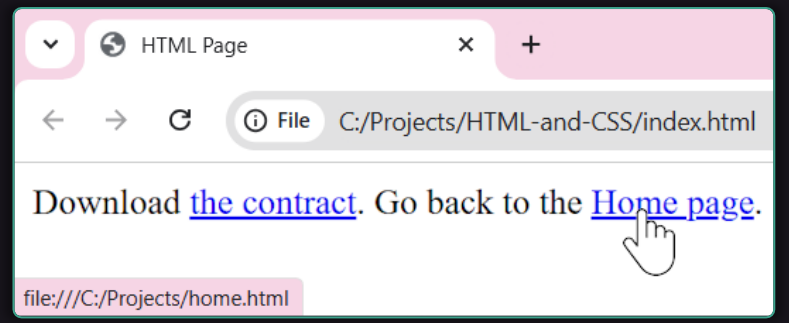
- Hyperlinks: **<a href="...">**link text**<a>**
- External hyperlink:

Browse the modern AI educational programs at the SoftUni web site.

```
Browse the modern AI educational programs at the
<a href="https://softuni.bg">SoftUni</a> web site.
```

- Relative hyperlink (path + file):

```
Download <a href="docs/contract.pdf">
the contract</a>.
```




```
Go back to the <a href="../home.html">Home page</a>.
```

Lists, Bold, Italic, Line Break

- Bullet lists: **
…
**
  - List items: **
…
**
- Ordered lists: **
…
**
- Bold, italic, new line:

```
This is <b>important</b>.
<br /> <!-- line break -->
This is <i>special</i>.
```

This is **important**.
This is *special*.

```
List of bullets:
<ul>
  <li>First</li>
  <li>Second</li>
  <li>Third</li>
</ul>
```

List of bullets:

- First
- Second
- Third

```
Numbered list:
<ol>
  <li>One</li>
  <li>Two</li>
  <li>Three</li>
</ol>
```

Numbered list:

1. One
2. Two
3. Three

Exercise: Very Simple CV

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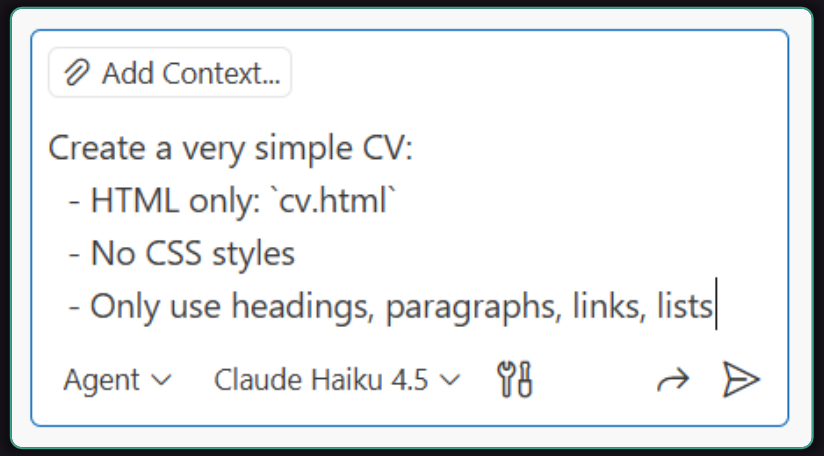
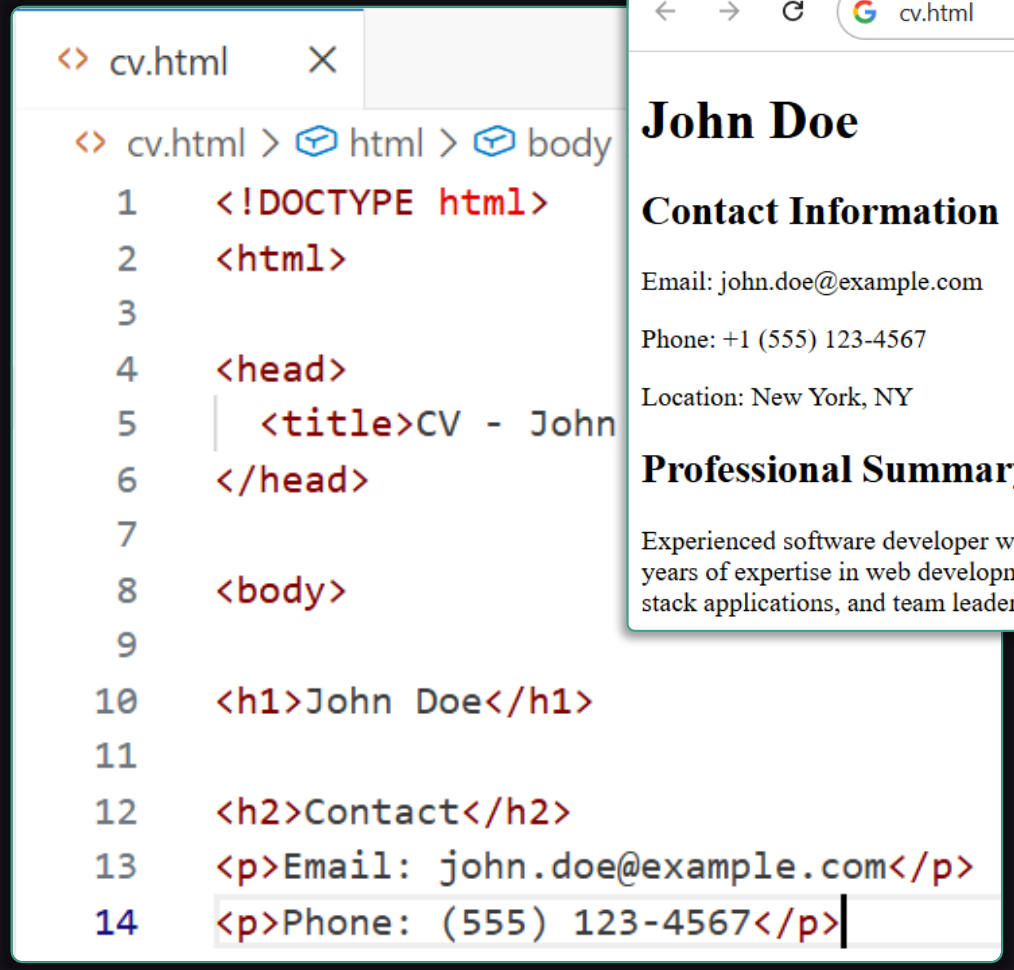
- Create a HTML page, holding a **very simple CV**:

```
Create a very simple CV:
   - HTML only: `cv.html`
   - No CSS styles
   - Only use headings,
paragraphs, links, lists
```





Exercise: Multi-Page Site

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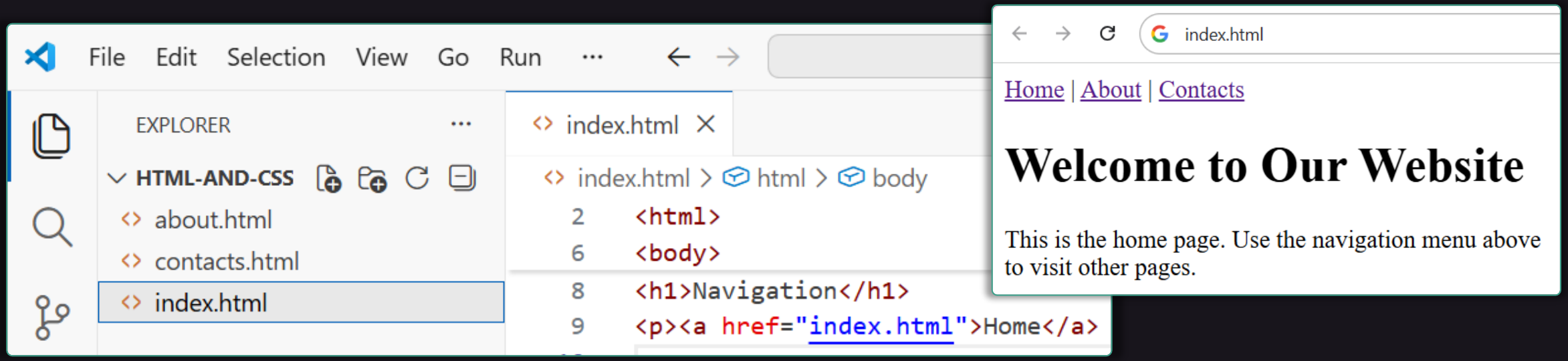
- Create a **multi-page Web site** with navigation:

```
Create a 3-page Web site: index.html, about.html, contacts.html
   - Top navigation menu: Home | About | Contacts
   - Hyperlinks between the pages, simple HTML, no CSS
```



Exercise: Task List

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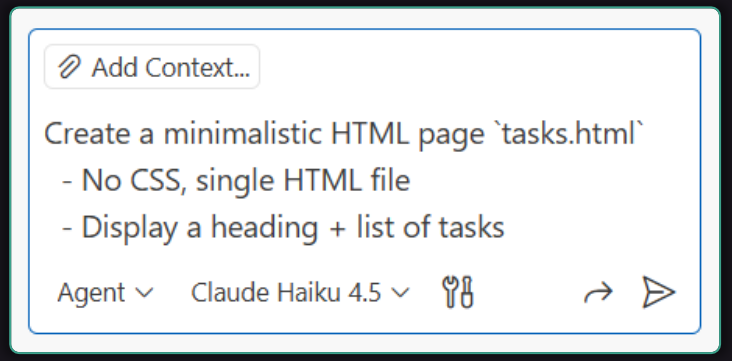
- Create a simple HTML page, holding a **task list**

```
Create a minimalistic
HTML page `tasks.html`
   - No CSS, single
HTML file
   - Display a heading
+ list of tasks
```



tasks.html

tasks.html > html > head

```
2   <html>
6   <body>
8   <h1>My Tasks</h1>
9
10  <ul>
11    <li>Complete project documentation</li>
12    <li>Review code changes</li>
13    <li>Update database schema</li>
14    <li>Test new features</li>
15    <li>Deploy to production</li>
16  </ul>
17
18  </body>
19  </html>
20
```

My Tasks

- Complete project documentation
- Review code changes
- Update database schema
- Test new features
- Deploy to production

Images

- Images: ****

```
<img src="img/softuni-logo.png" />
```

- Image from external URL with alt text:

```
<img src=
"https://www.wikipedia.org/portal/wikipedia.org/
assets/img/Wikipedia-logo-v2@1.5x.png"
alt="Wikipedia logo" />
```

- Image from **data-url** (inline image):

```
<img src="...QmCC" />
```

Emojis

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- **Emojis** are special Unicode characters → look like icons

```
<h2>Smileys & Emotions</h2>
<p>😀 😃 😄 😁 😆 🤣 😂 🙂 😉</p>
<h2>People & Body</h2>
<p>👋 👍 🙌 👏 👌 👈 👉 👆 👇</p>
<h2>Animals & Nature</h2>
<p>🐱 🐭 🐹 🐰 🦊 🐻 🐼 🐨 🐷</p>
```

- In HTML **special characters** are encoded as **HTML entities**:

```
This is a &lt;tag&gt;
&amp; it&#39;s encoded.
```

This is a <tag> & it's encoded.

Exercise: Party Invitation

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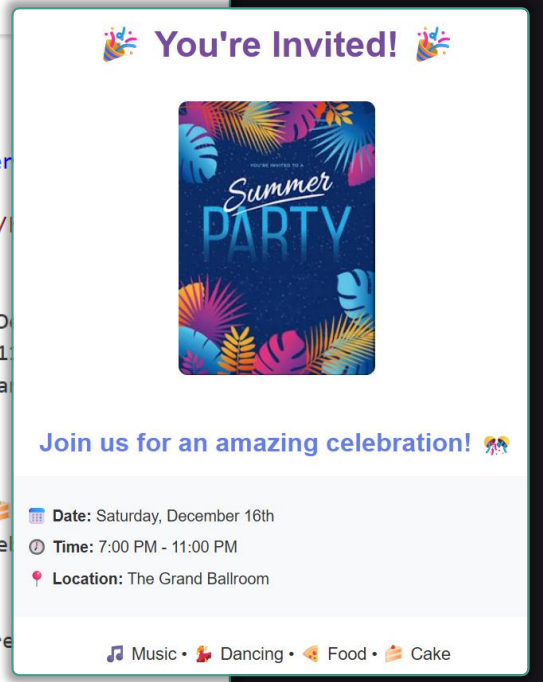
- Create a **party invitation** HTML page (with poster and emojis)

```
Create a party invitation: `party.html`
   - Insert an image `party-poster.jpg`
   - Use emojis in the invitation text
   - Add minimal styling to make it look well
```

```
<html lang="en">
<body>
    <div class="container">
        <h1>🎉 You're Invited! 🎉</h1>

        <img src="party-poster.jpg" alt="Party Poster

        <h2>Join us for an amazing celebration! 🎊</

        <div class="details">
            <p>🗓️ <strong>Date:</strong> Saturday, D
            <p>🕗 <strong>Time:</strong> 7:00 PM - 1
            <p>📍 <strong>Location:</strong> The Gra
        </div>

        <div class="highlights">
            <p>🎵 Music • 💃 Dancing • 🍕 Food • 🍰
            <p>🎈 Balloons • 🎁 Surprises • 🍾 Celeb
        </div>

        <p><strong>Dress code:</strong> Formal Attire

        <div class="rsvp">✉️ RSVP by December 10th</div>
    </div>

</body>
</html>
```



Intro to CSS

Inline, Internal, External CSS, Styling Page Elements

```
34   /* A reference to a type */
35   span.ts span.type-ref {
36       color: rgb(175, 0, 219) !important;
37   }
38
39   /* Signature details */
40   div.signature > table {
41       border-collapse: collapse;
42       border: thin darkgray solid;
43       width: 60%;
44   }
```

What is CSS?

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- **CSS** (Cascading Style Sheets) defines the **styling** of HTML elements (fonts, colors, spacing, layout, positioning, etc.)
- CSS styling **rules**: `selector { property: value; }`
- CSS styling **example**:

```
h1 {
    font-size: 32pt;
    color: blue;
    background: #ffefc1;
    padding: 10px 20px;
}
```

- Selector: **h1**
- Property: **padding**
- Value: **10px 20px**

Inline CSS

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- **Inline CSS styles** are directly hardcoded in HTML elements

```
<h1 style="background:#EEE;
padding:10px; text-align:
center;">Inline CSS</h1>

<p style="font-size: 24px;
  color: blue;
  background: #b3e1c9;
  padding: 5px 15px;
  border-radius: 5px;">
  I am a styled text.
</p>
```

- Not recommended!
- Hard to maintain
- Cannot reuse repeating styles

Inline CSS

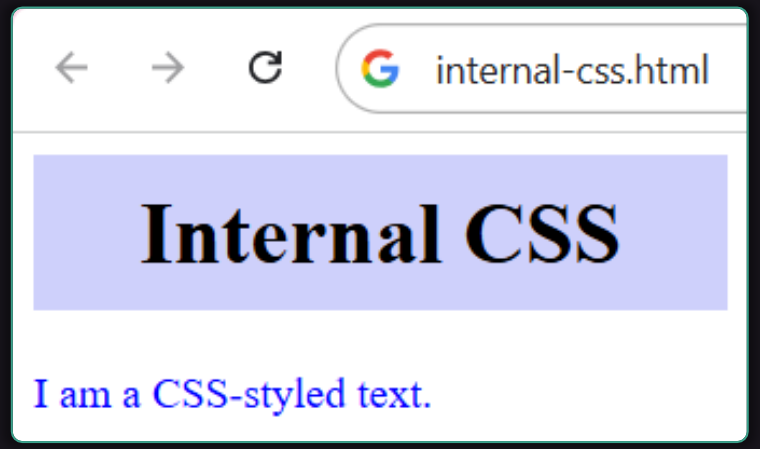
Live Demo

Internal CSS

- **Internal CSS** is CSS stylesheet inside an HTML page:

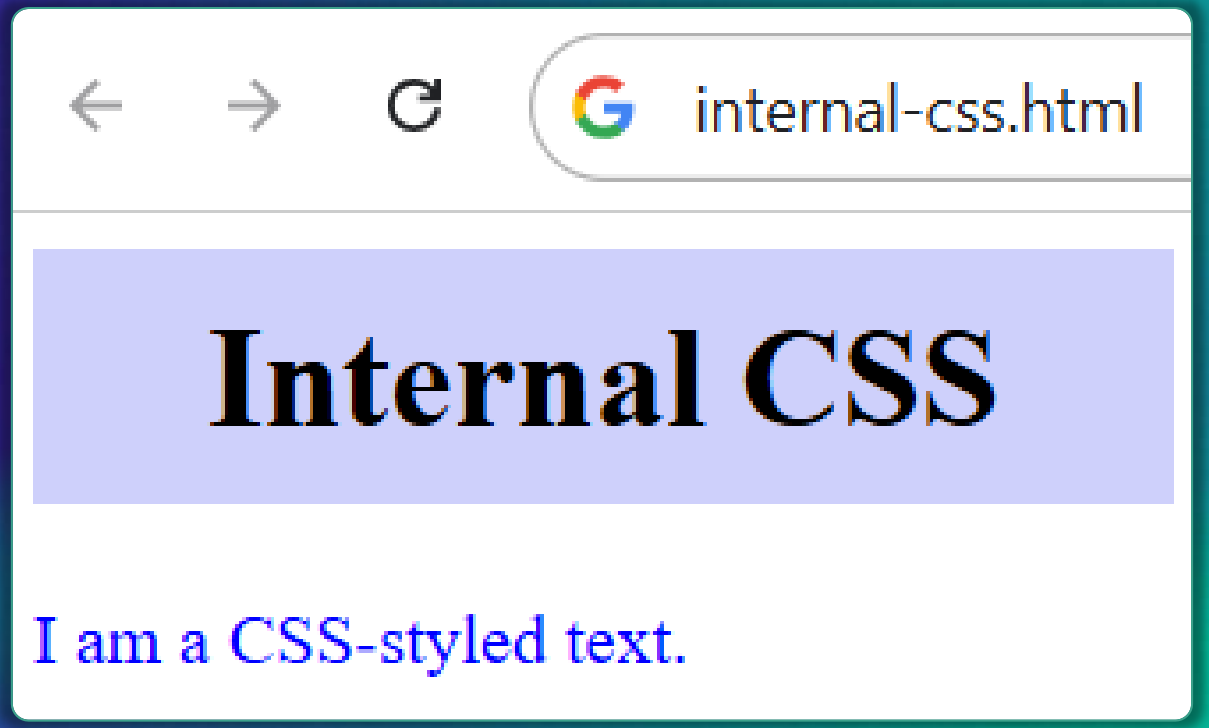
```
<html>
<head>
  <style>
    h1 {
      background: #ced0fb;
      padding: 10px;
      text-align: center;
    }
    p { color: blue; }
  </style>
</head>
```

```
<body>
  <h1>Internal CSS</h1>
  <p>I am a CSS-styled text.</p>
</body>
</html>
```



Internal CSS

Live Demo



External CSS

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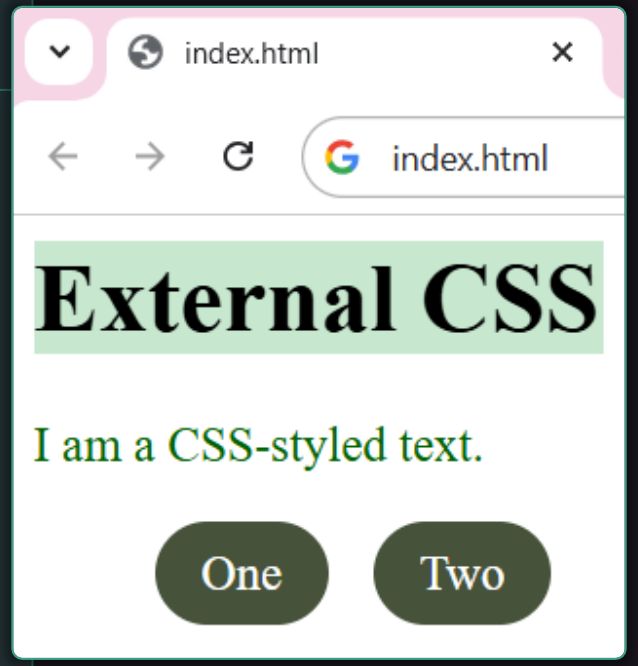
- **External CSS** is separate CSS file, linked to the HTML

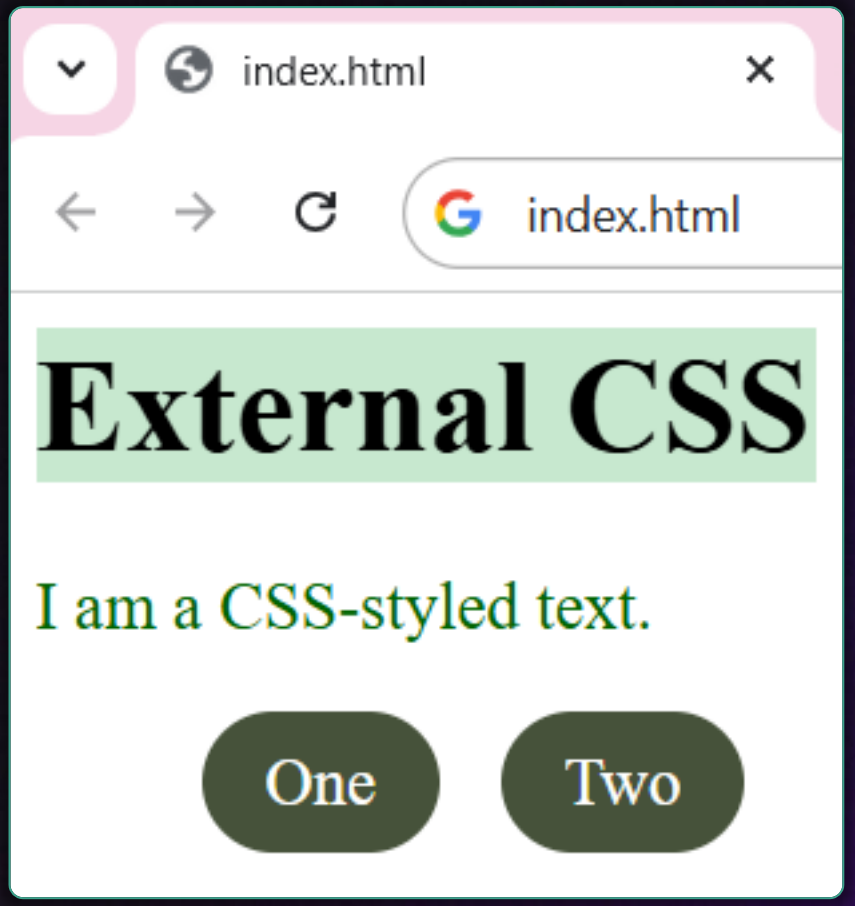
index.html

```
<html>
<head>
  <link rel="stylesheet"
    href="styles.css">
</head>
<body>
  <h1>External CSS</h1>
  <p>CSS-styled text</p>
  <ul><li>1</li><li>2</li>
   <li>3</li></ul>
</body>
</html>
```

styles.css

```
h1 {
  background: #c7e8cf;
}
p { color: darkgreen; }
li {
  display: inline-block;
  color: white;
  background: #46523a;
  margin-right: 15px;
  padding: 8px 15px;
  border-radius: 20px;
}
```





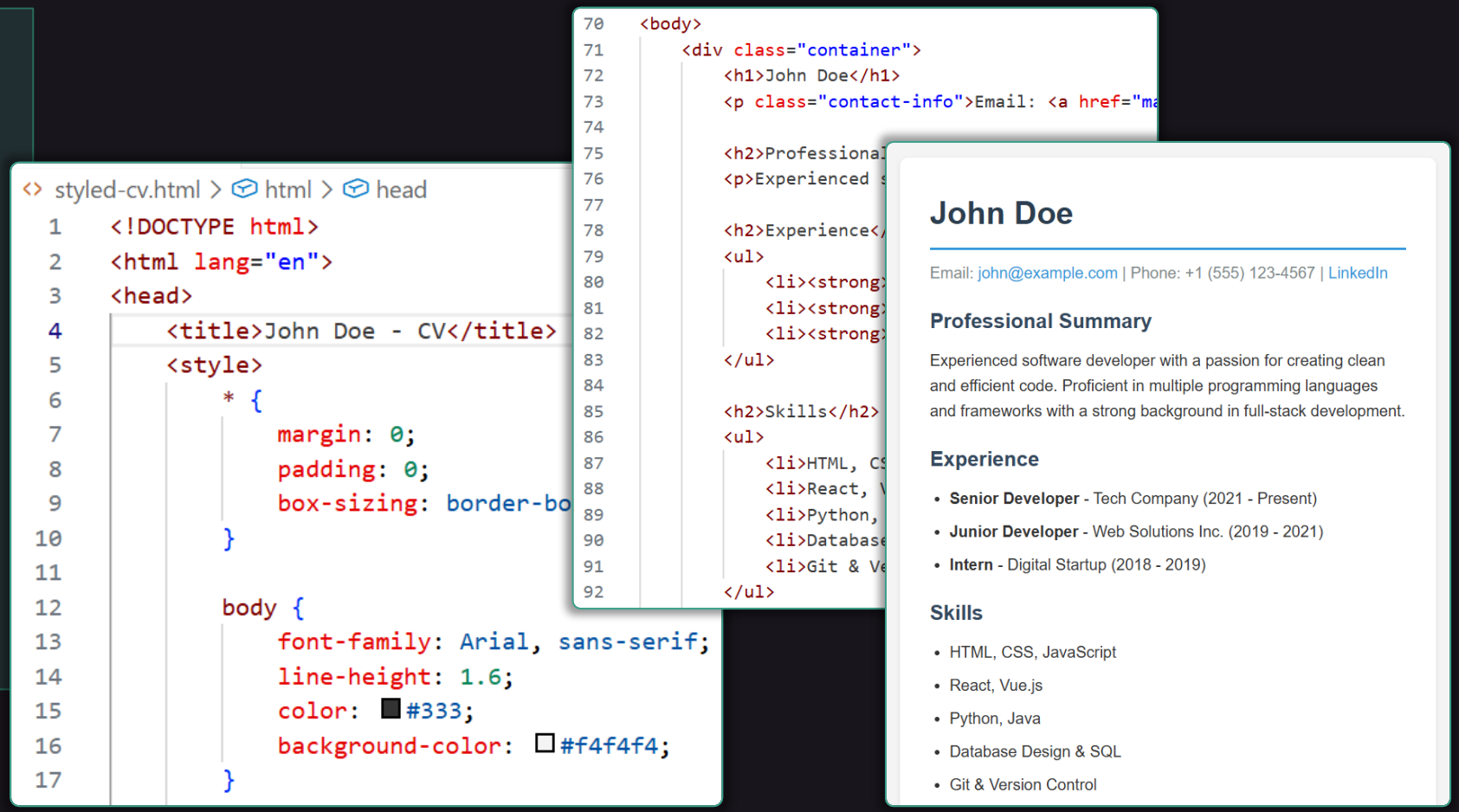
External CSS

Live Demo

Exercise: Styled CV

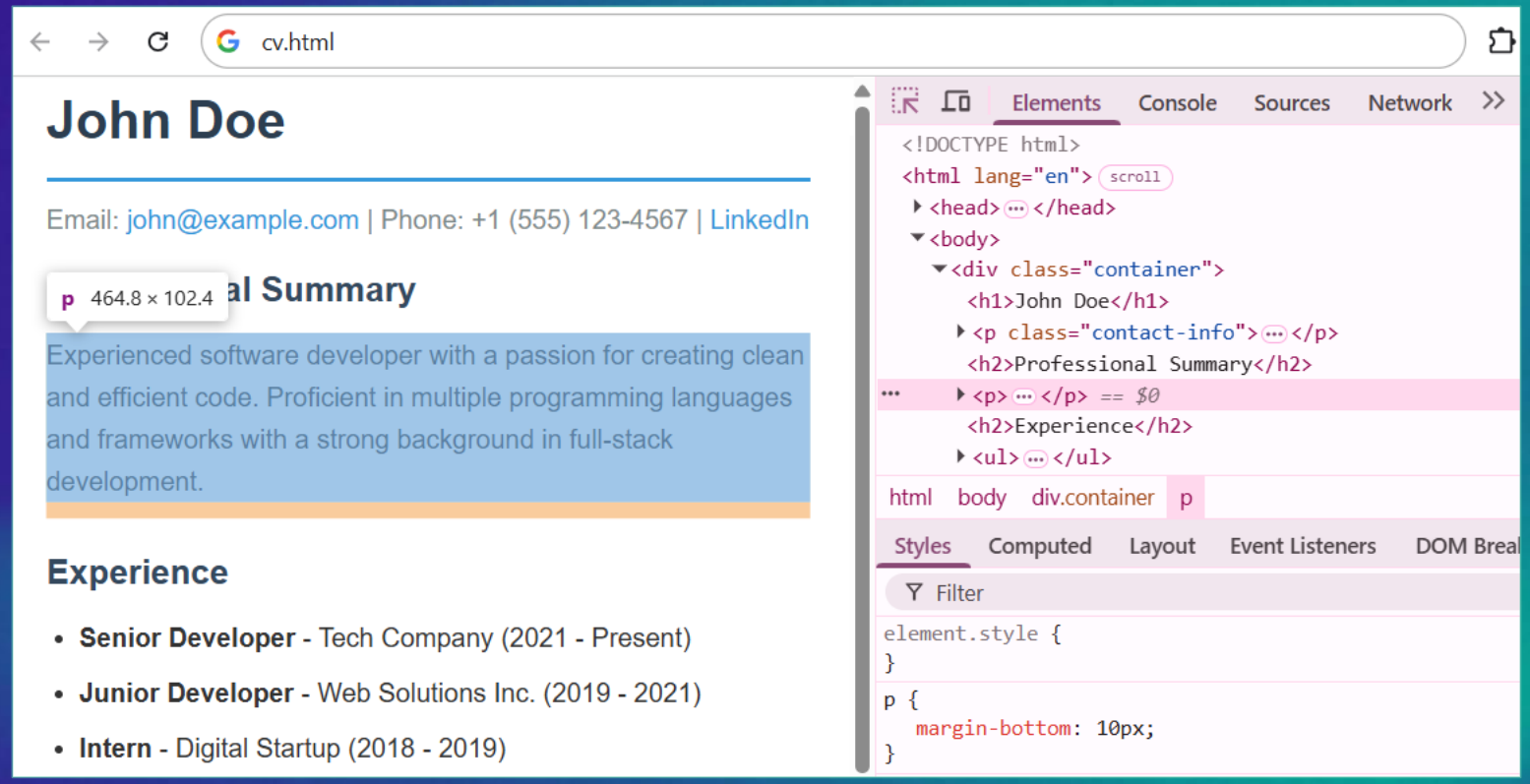
- Create a HTML page, holding a **simple CV**, with styling:

```
Create a very simple CV:
`styled-cv.html`
  - Only use headings, paragraphs, links, lists
  - Apply simple CSS styling
```



Browser Dev Tools

Inspecting Page Content in the Web Browser



Browser Dev Tools

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- **Browser Dev Tools** == built-in Web browser tools for **inspecting** the page content (HTML, CSS, JavaScript)
  - **View** / **inspect** / **edit** page structure, **debug** and **experiment** with the currently loaded document, styles, scripts
- Open the **Dev Tools** sidebar in Windows:
  - Press **[F12]** key / right click at the page → **[Inspect]**
  - **[F12]** works on **Chrome** / **Firefox**
- On Mac, use **[Cmd ⌘ + Alt ⌥ + I]**
  - **Safari**: View → Developer → Developer Tools

Inspecting Page and Styles

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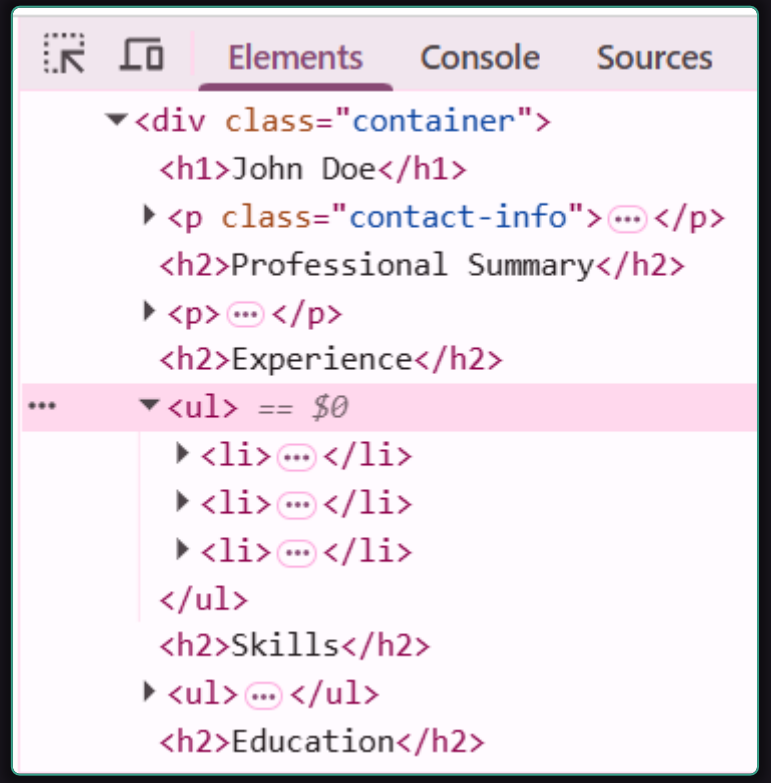
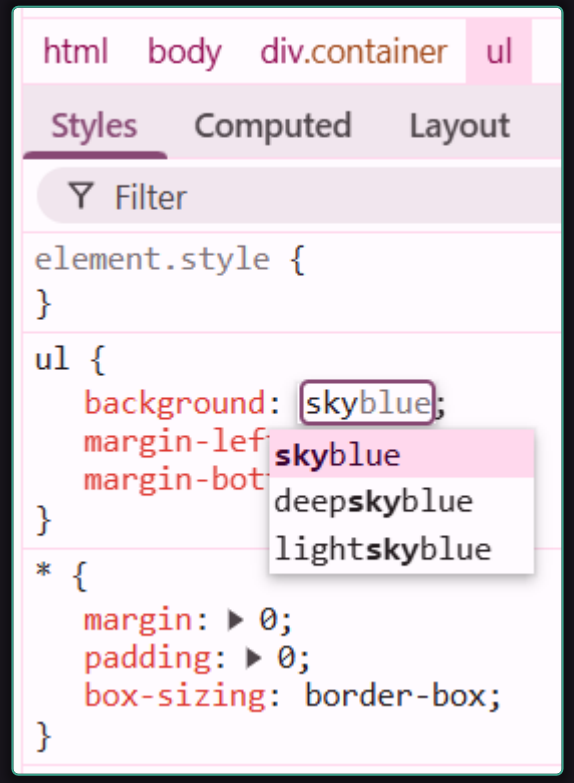
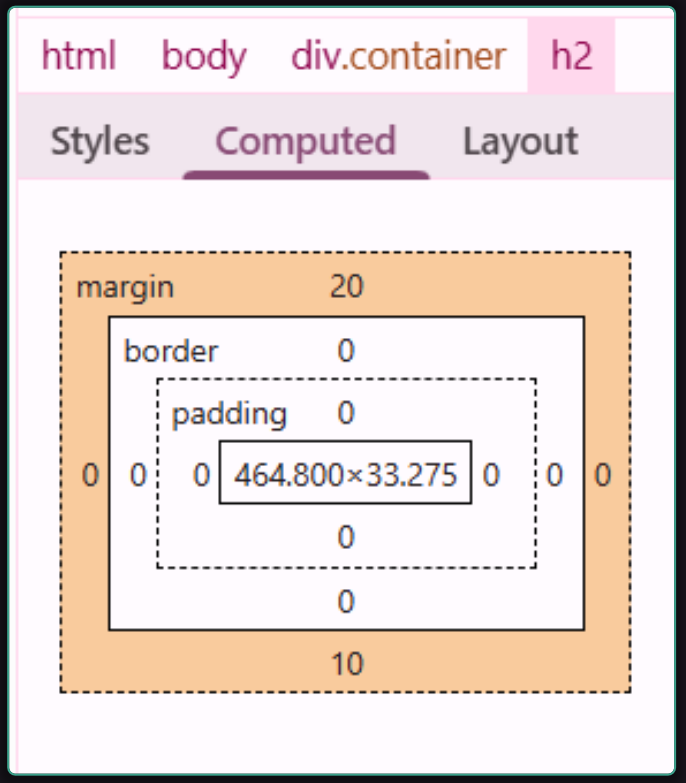
Page **DOM** inspector

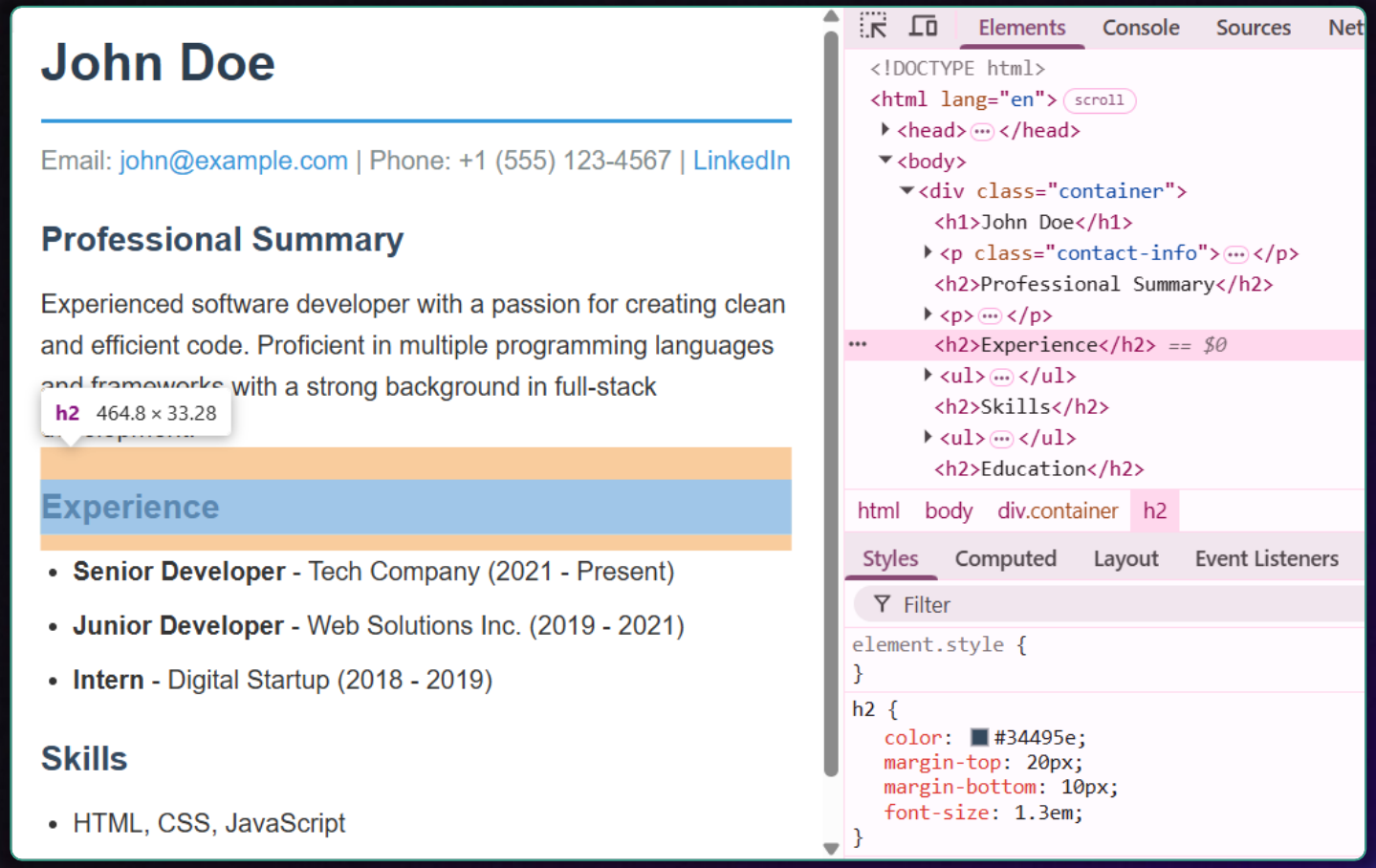


CSS **styles** inspector



Element **size** inspector





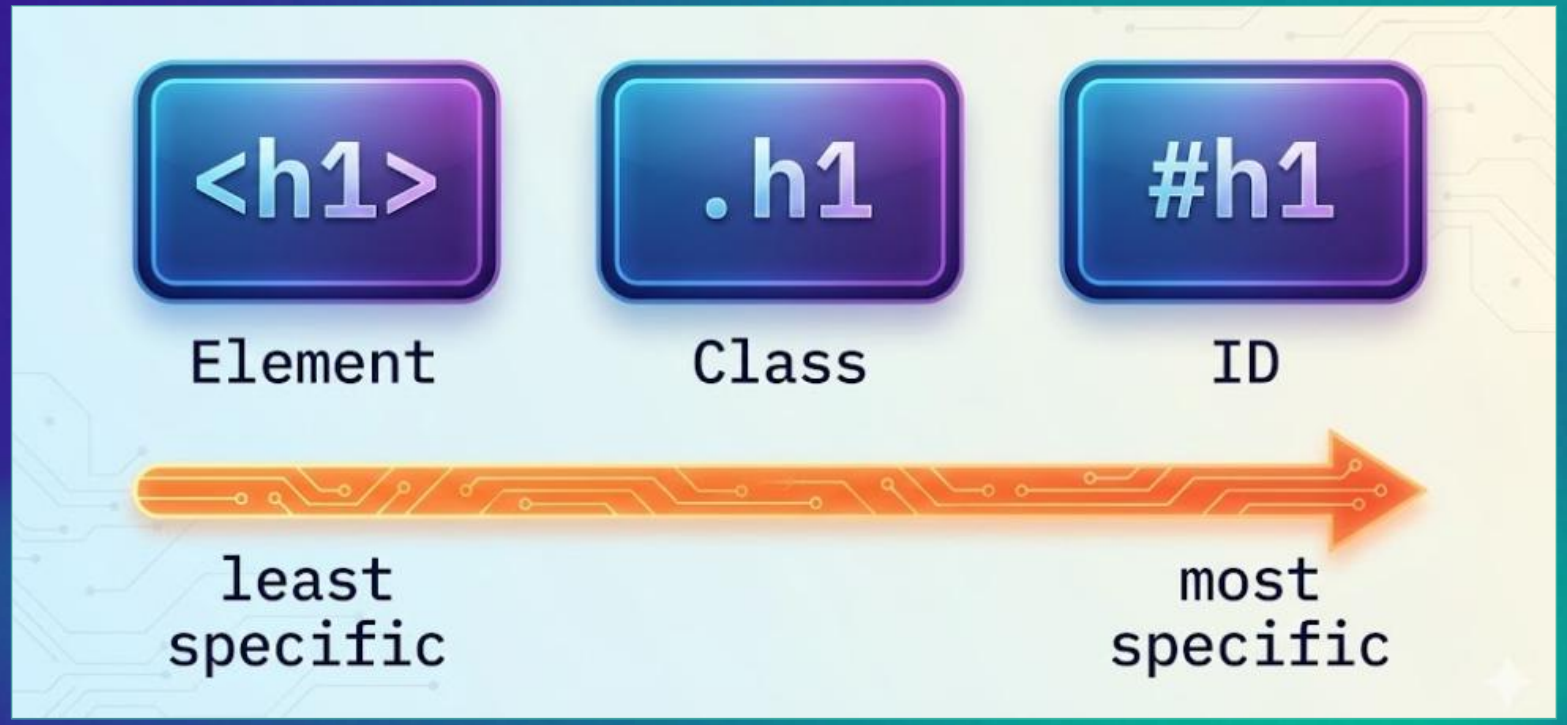
Browser Dev Tools

Live Demo

Inspect / Edit Page Elements and Styles

CSS Selectors and Basic Styles

Selectors, Rules, Class, Id, Nested Styling,



CSS Selectors

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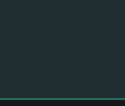
- Selecting elements by **tag name**

```
<h1>Page Title</h1>
```



```
h1 { color: blue; }
```

- Selecting elements by **class**

```
<p class="odd">Text</p>
```

```
.odd { font-size: 10px; }
```

- Selecting elements by **id**

```
<span id="login">Go</span>
```

```
#login { width: 150px; }
```

- Selecting **nested elements**

```
<div id="news"><p>Some news</p></div>
```

```
#news p { color: green; }
```

Styling Color, Font, Margin, Padding

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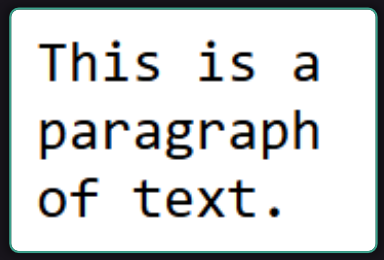
- **Color** / **background**:
  (named colors, #RRGGBB)

```
h1 { color: skyblue;
background: #46523a; }
```

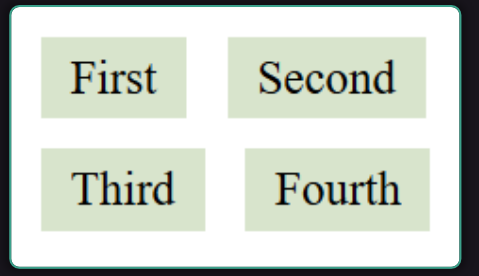
- **Font** name & size:
  (list of names, size in pt, px, %, em, rem, ...)

```
p { font-family:
monospace; font-size:
18px; }
```



- **Margin** and **padding**:
  (in pt, px, %, em, rem, ...)

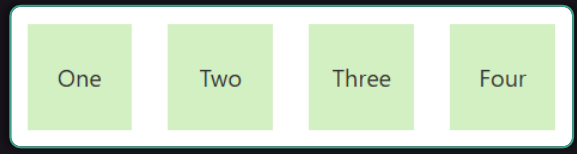
```
li { margin: 5px;
padding: 5px 10px;
display: inline-block;
background: #d8e4cc; }
```



Styling

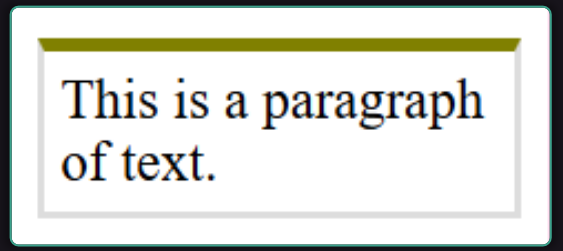
- **Width** and **height**:
  (in pt, px, %, em, rem, ...)

```
div.tile { width: 70px;
height: 70px; }
```



- **Border**:
  (width, style, size)

```
p { border-top: 4px
solid olive; border:
2px solid #ddd;
padding: 5px; }
```



- **Border-radius**:
  (in pt, px, %, em, rem, ...)
- **Text-align**:
  (left, center, justify)

```
h1 { background: #ddd;
border-radius: 5px;
padding: 7px 15px; {
text-align: center }
```

Exercise: Business Card

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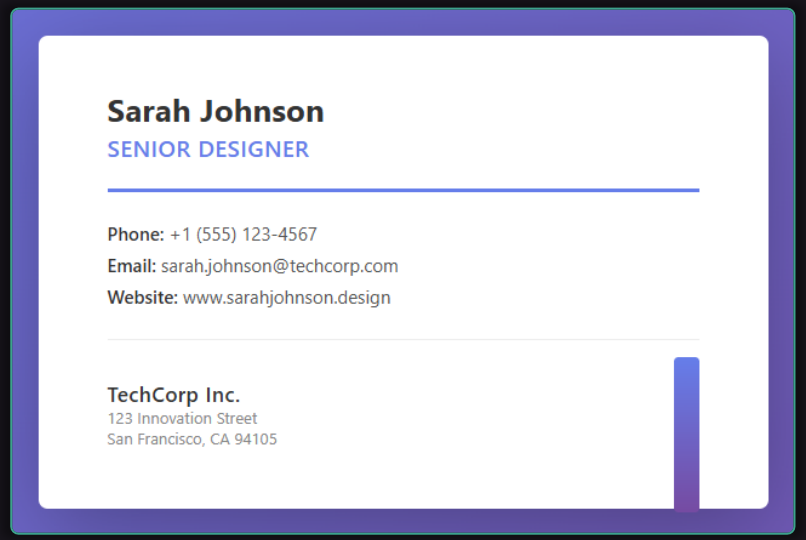
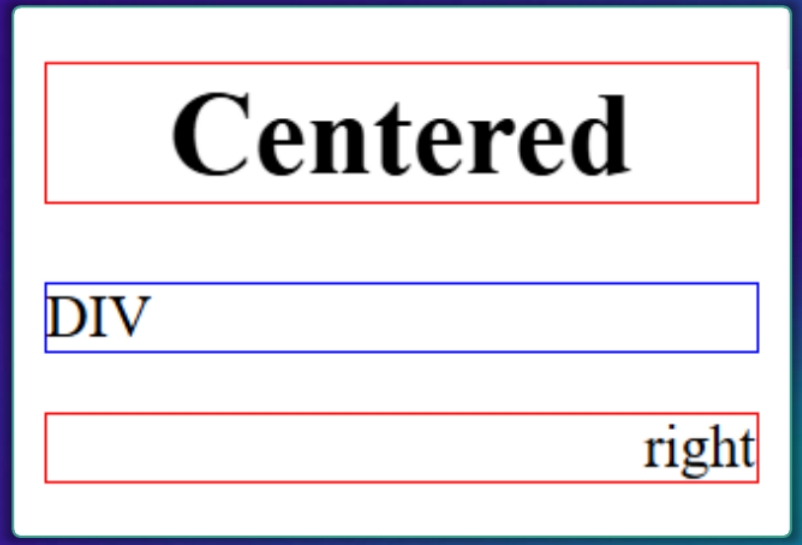
- Create a **business card** and style it with simple CSS:

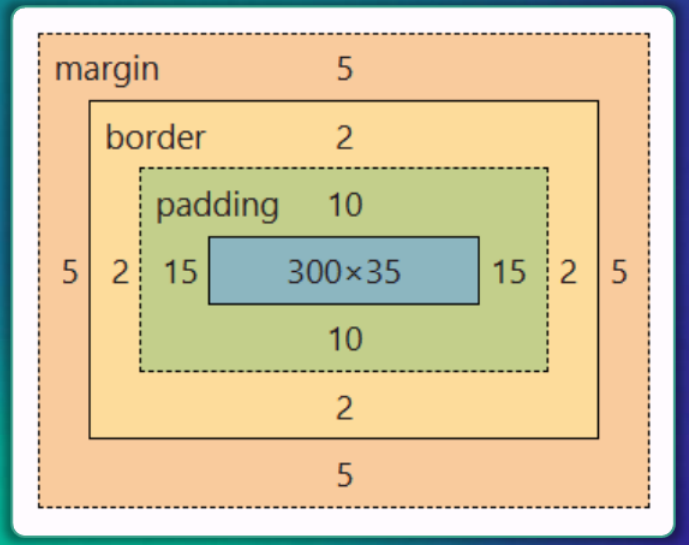
```
Create a business card: card.html
   - Generate info: person name, position, phone, email, site, company name, address
   - Card size: 85 mm x 55 mm
   - Use simple elements: h1, h2, div, p
   - Style with CSS selectors: by tag, by class, by id, nested selectors, simple styles only
```



Box Model, Inline, Block

CSS Box Model, Inline and Block Elements

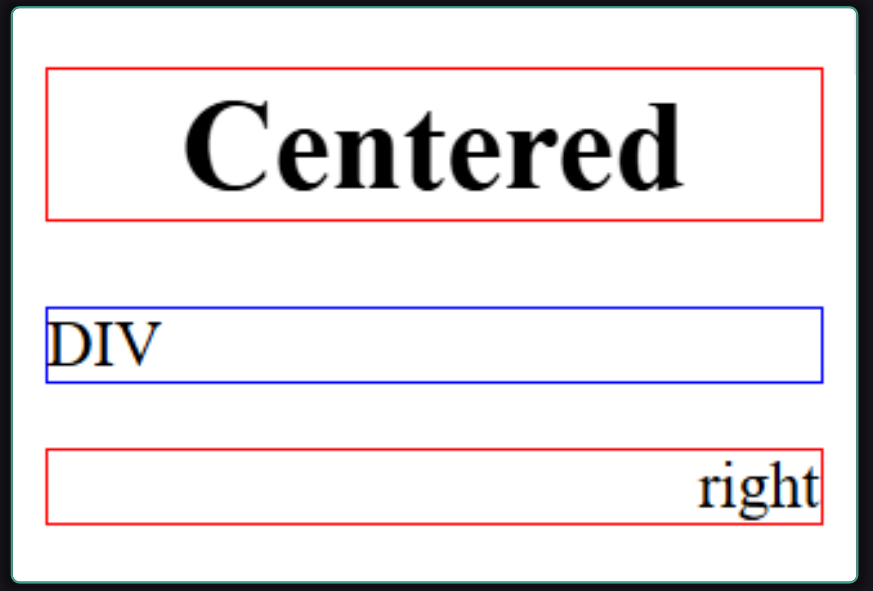




Block Elements

- **Block-level elements** are **rectangles**, which:
  - Start at a **new line**, take the **whole width** (by default)
- Examples: ** **, **<p>**, **<h1>**, **<h2>**, … , **<ul>**, **<li>**

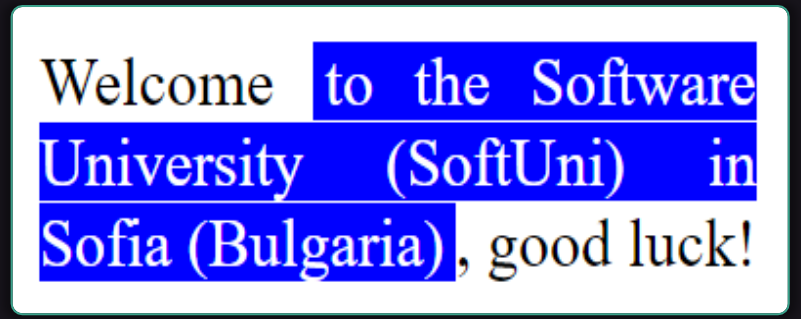
```
<h1 style="border:1px solid red;
text-align:center">Centered</h1>
<div style="border:1px solid
blue">DIV</div>
<p style="border:1px solid red;
text-align:right">right</p>
```



Inline Elements

- **Inline-level elements** behave like text snippets:
  - Start at the current text position, flow left to right, and **wrap to the next line** when space runs out
  - Examples: ****, **<a>**, **<img>**, ****, ****, **<label>**

```
<p style="text-align:justify">Welcome
<span style="color:white;
background:blue;">to the Software University
(SoftUni) in Sofia (Bulgaria)</span>
, good luck!</p>
```



Inline-Block Elements

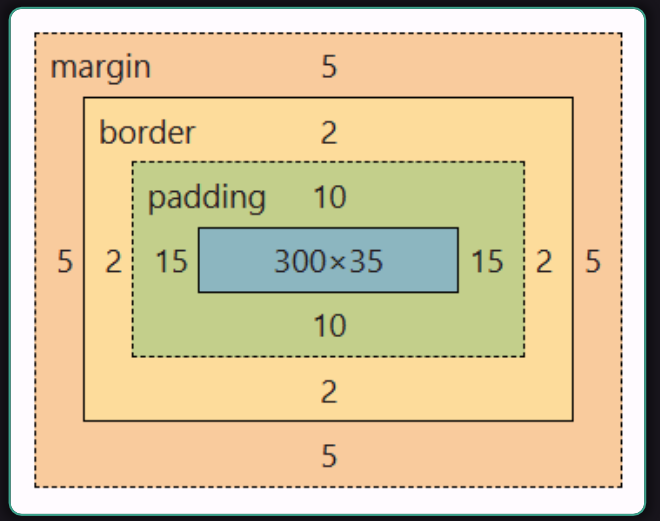
- **Inline-block** elements are **rectangles**, which flow like **words** in a text, without wrapping

```
<div style="text-align:justify;">
    <div style="display:inline-block;
    background:green">green</div>
    <div style="display:inline-block;
    background:red">red block</div>
    …
</div>
```

CSS Box Model

- The **CSS box model** describes the **element size** and **spacing** around it:
  - Element size = **content** + **padding** + **border**
  - **Margin** = spacing outside the element

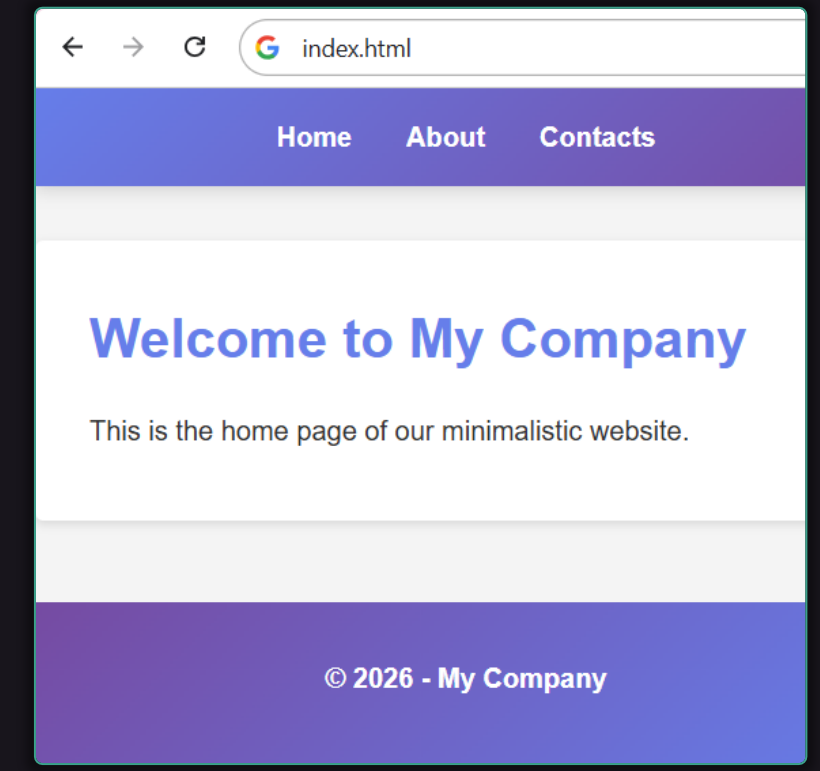
```
<h1 style="
padding: 10px 15px;
border: 2px solid
green; margin: 5px">
I am a Title</h1>
```



Exercise: Minimalistic Web Site

- Create a **minimalistic Web site**: Home | About | Contacts

```
Create a mimimalistic Web site:
   - index.html, about.html, contacts.html
   - Top navigation menu: Home | About | Contacts
   - Footer: (c) 2026 - My Company
   - Add very simple CSS styling: styles.css
```



Exercise: Contacts Page

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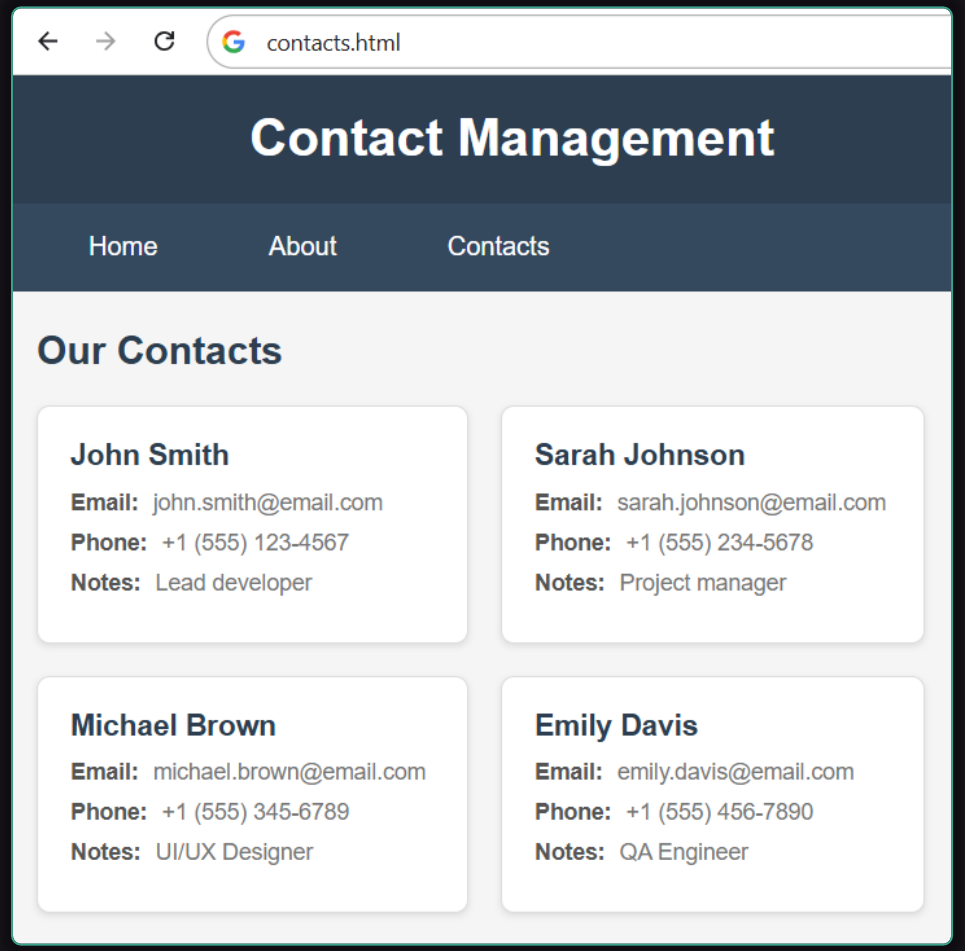
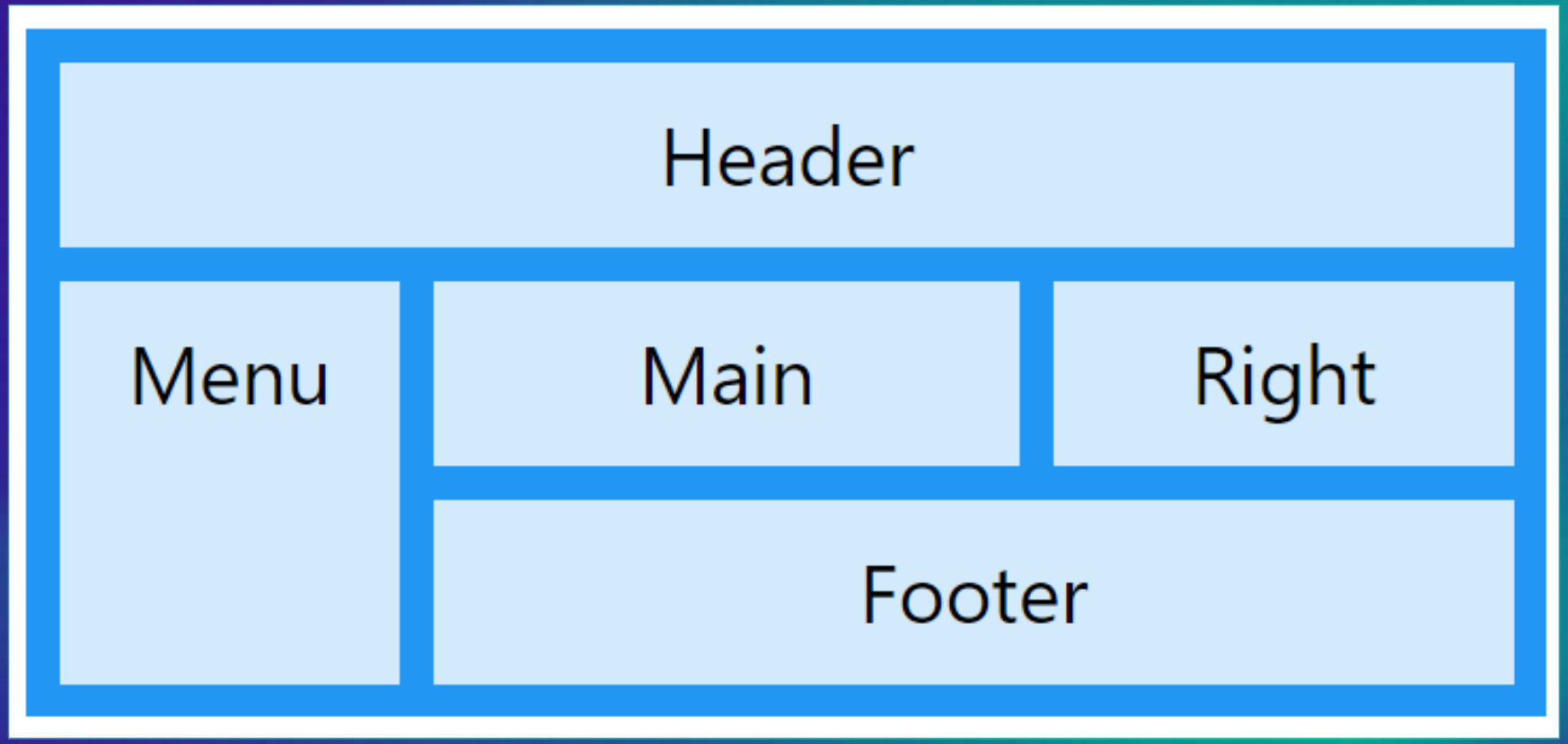
- Create a **contacts page**: name + email + phone + notes

```
- Create a simple web page `contacts.html` (HTML + CSS)
  - Page header with nav menu: Home | About | Contacts
  - Main page: list of contacts (name + email + phone + notes), styled as boxes
  - Page footer
  - Use simple CSS styling, without layout system
```



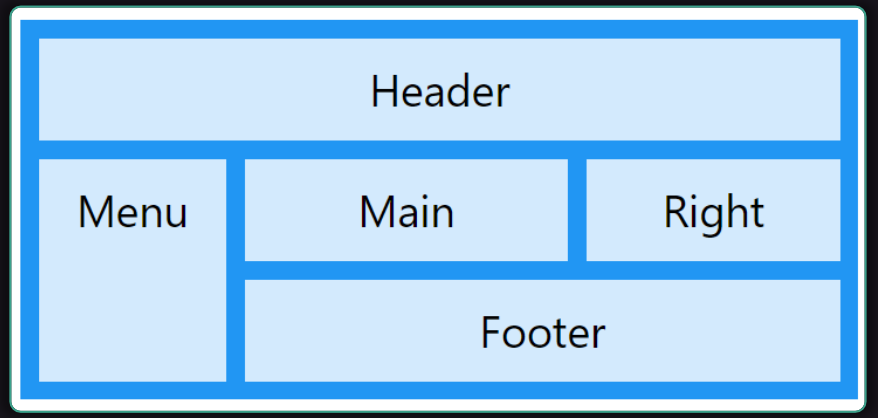
CSS Layouts

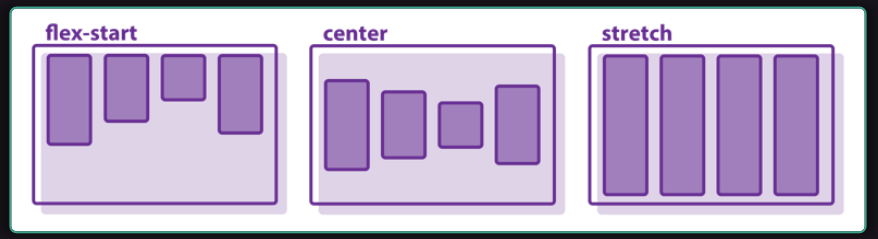
Flexbox, Grid and Responsive Layouts

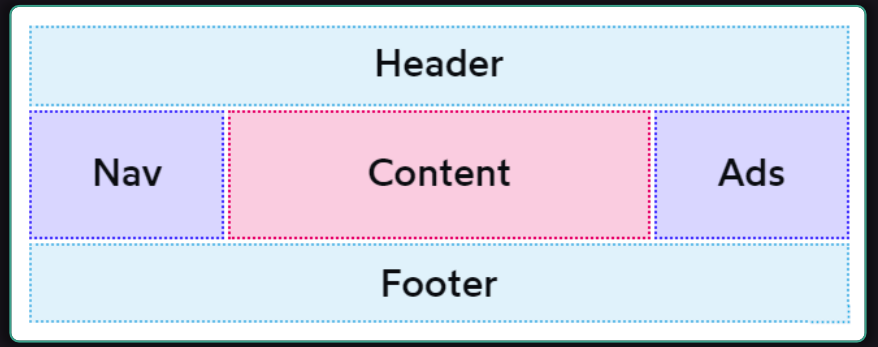


CSS Layouts

- **CSS layouts** define **how elements are arranged on a page**
- Standard page layout: **block** elements (vertical flow) and **inline** elements (horizontal flow)
- **Flexbox** – one-dimensional layout (rows or columns)
- **Grid** – two-dimensional layout (rows and columns)







HTML Semantic Tags

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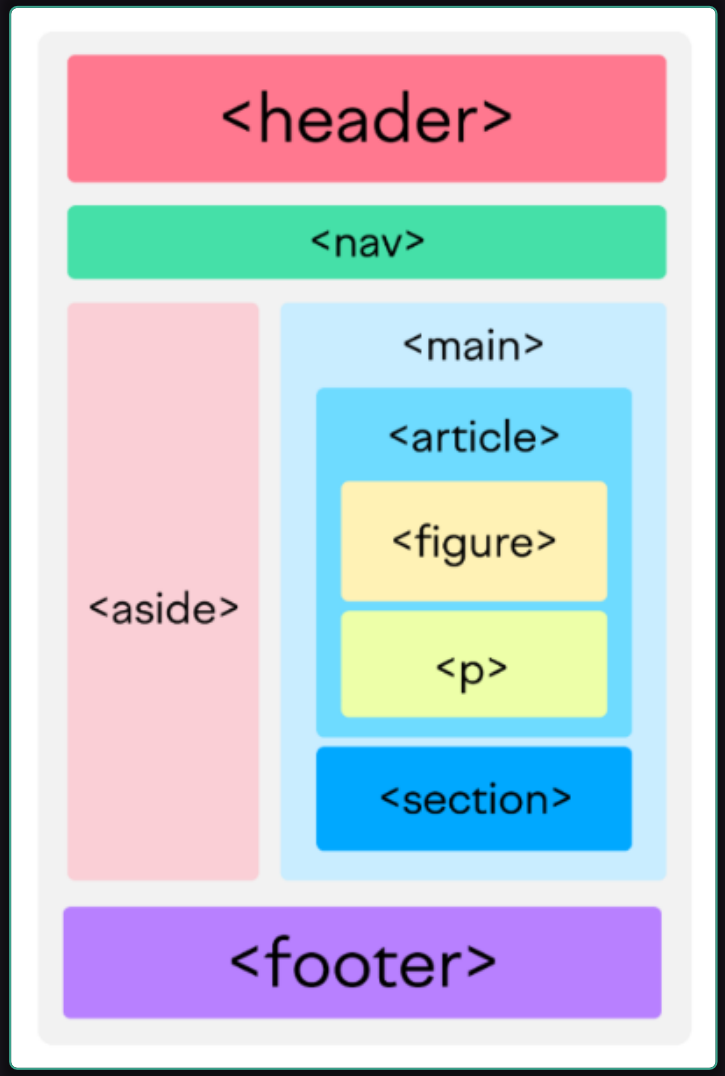
- HTML **semantic tags** give semantics to page elements
  - **<header>, <nav>, <aside>, <main>, <footer>, <section>, <article>, <figure>**

```
<header>
  <h1>Home</h1>
  <nav>
    <ul>…</ul>
  </nav>
</header>
<aside>…</aside>
```

```
<main>
  <section>
    <h1>…</h1>
    <article>…</article>
  </section>
</main>
<footer>…</footer>
```

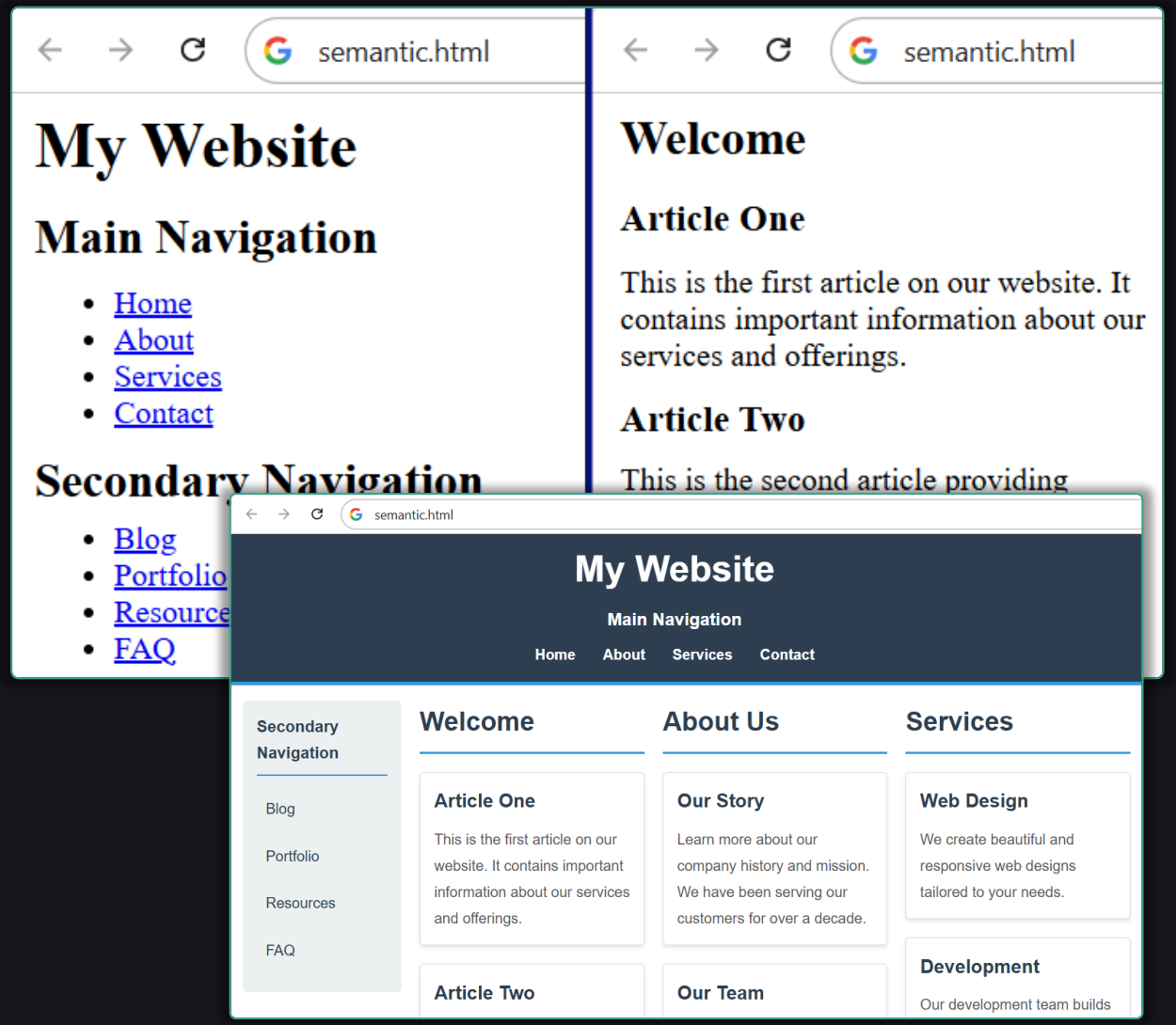


HTML Semantic Tags – Example

- Example of HTML page with **semantic tags**:

```
Generate a semantic HTML page: header with nav, sidebar with nav, main with sections and articles, footer. No CSS!
```

```
Implement standard layout for the page with CSS.
```



CSS Flex Layout: 1-Dimensional Flow

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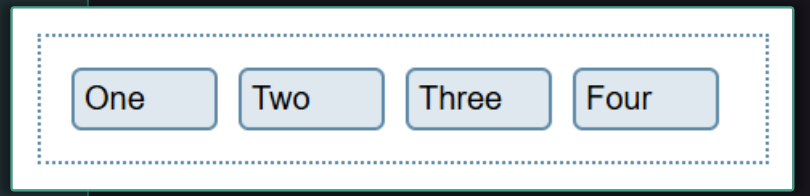
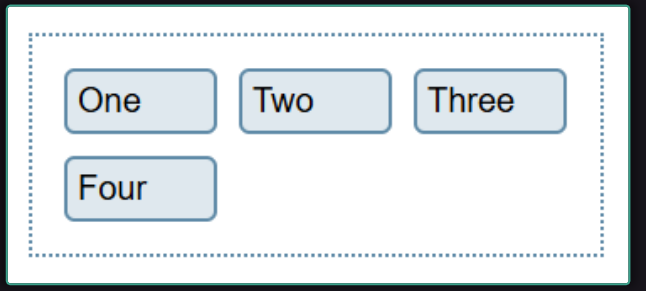
- CSS **flex layout** arranges elements in a **row** or **column**

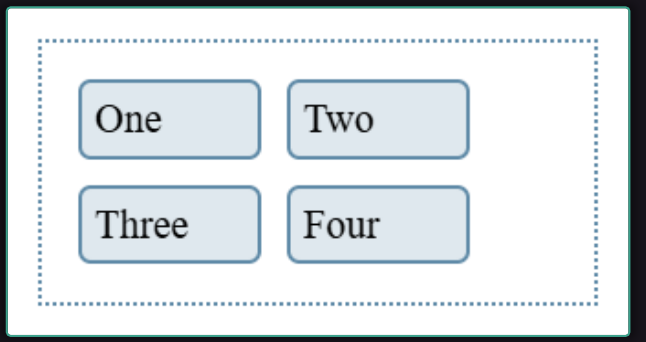
```
<div class="container">
  <div>One</div> <div>Two</div>
  <div>Three</div> <div>Four</div>
</div>
```

```
.container {
  display: flex;
  flex-flow: row wrap;
  width: 200px;
  …
}
```

```
.container div {
  width: 60px;
  margin: 5px;
  padding: 5px;
  …
}
```



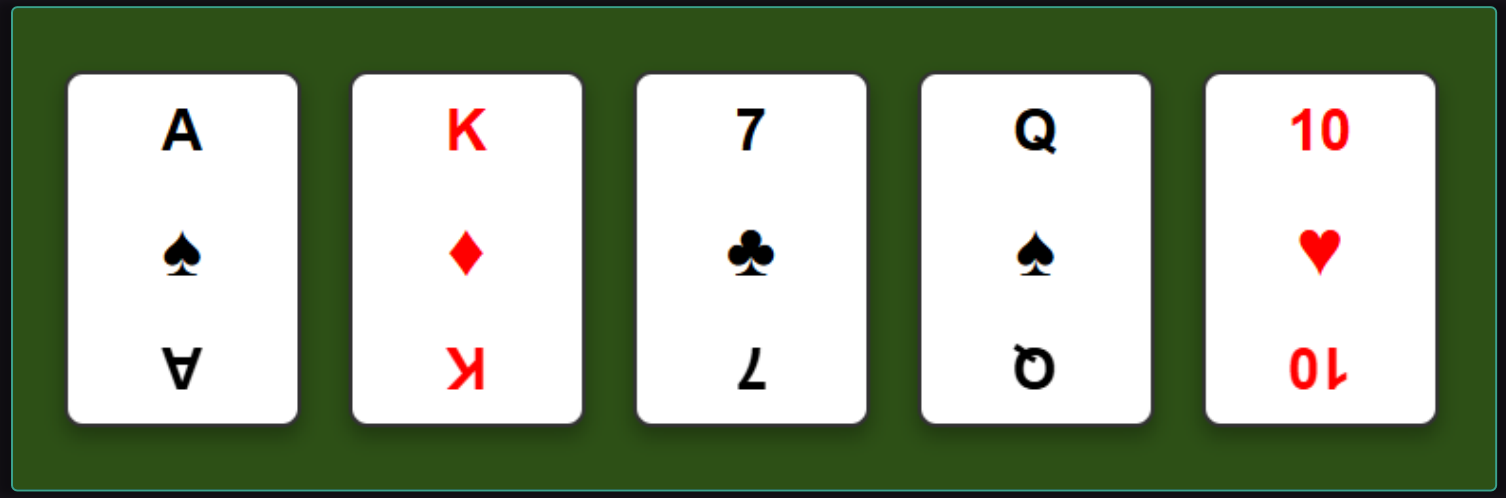




Exercise: Playing Cards

- Using **CSS flex layout**, visualize a **deck of cards**

```
Create a HTML page `cards.html` to
visualize a deck of 5 cards:
   - A♠, K♦, 7♣, Q♠, 10♥
Use CSS flex layout.
```




```css
.deck {
    display: flex;
    flex-flow: row wrap;
    gap: 20px;
    justify-content: center;
    align-items: center;
}
```

```css
.card {
    width: 100px;
    height: 150px;
    display: flex;
    flex-direction: column;
    justify-content: space-between;
    align-items: center;
```

CSS Grid Layout: 2-Dimensional

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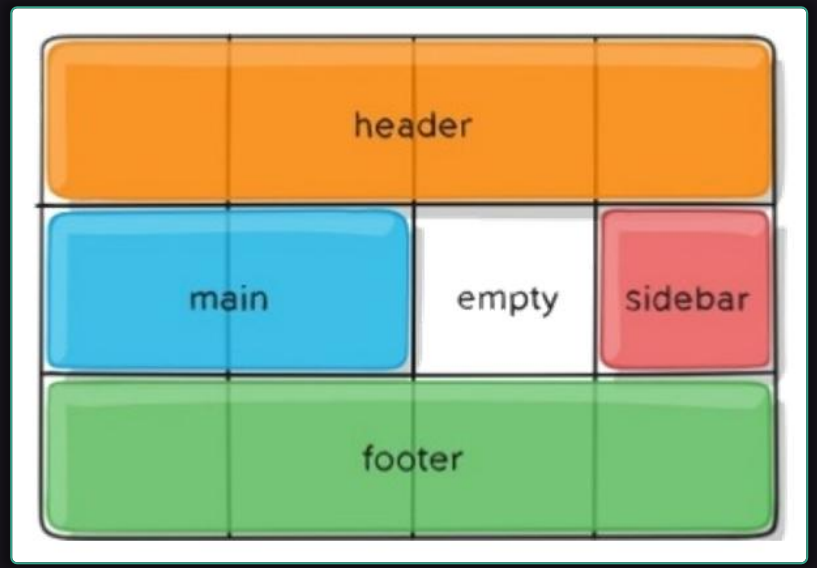
- **CSS grid** is universal 2D layout system for modern Web
  - Splits the container into grid system: **rows** and **columns**
- **Grid areas** define the layout visually

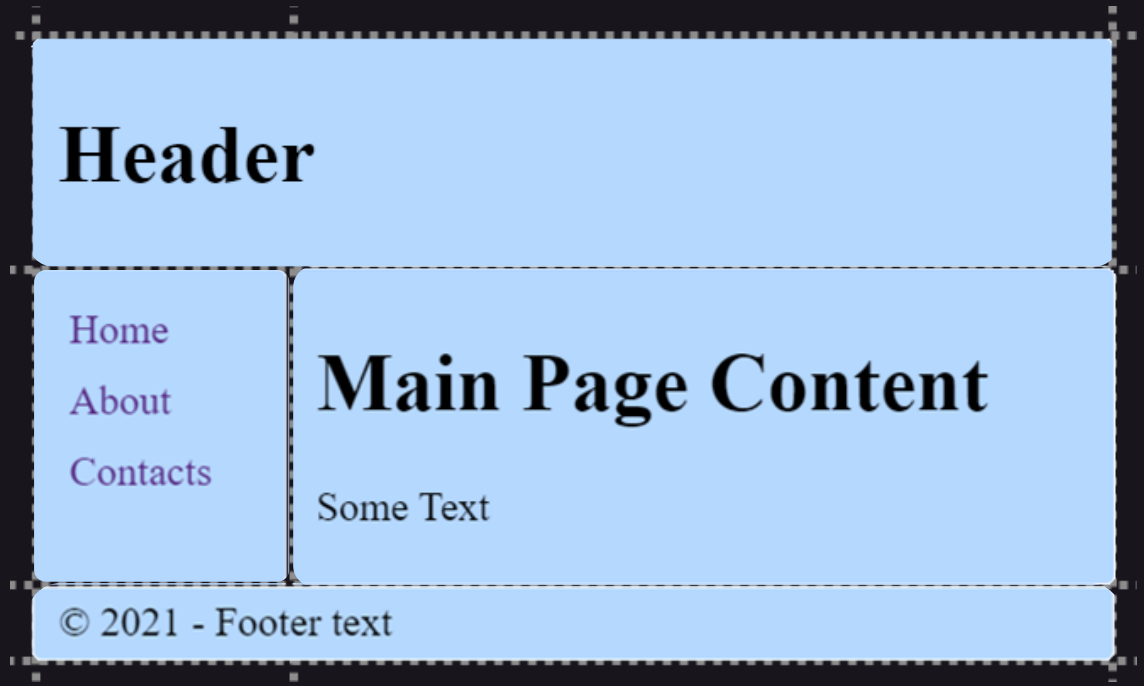
```
body {
  grid-template-areas:
    "header header header header"
    "main   main   empty  sidebar"
    "footer footer footer footer";
}
```



CSS Grid Layout – Example

SoftUni AI

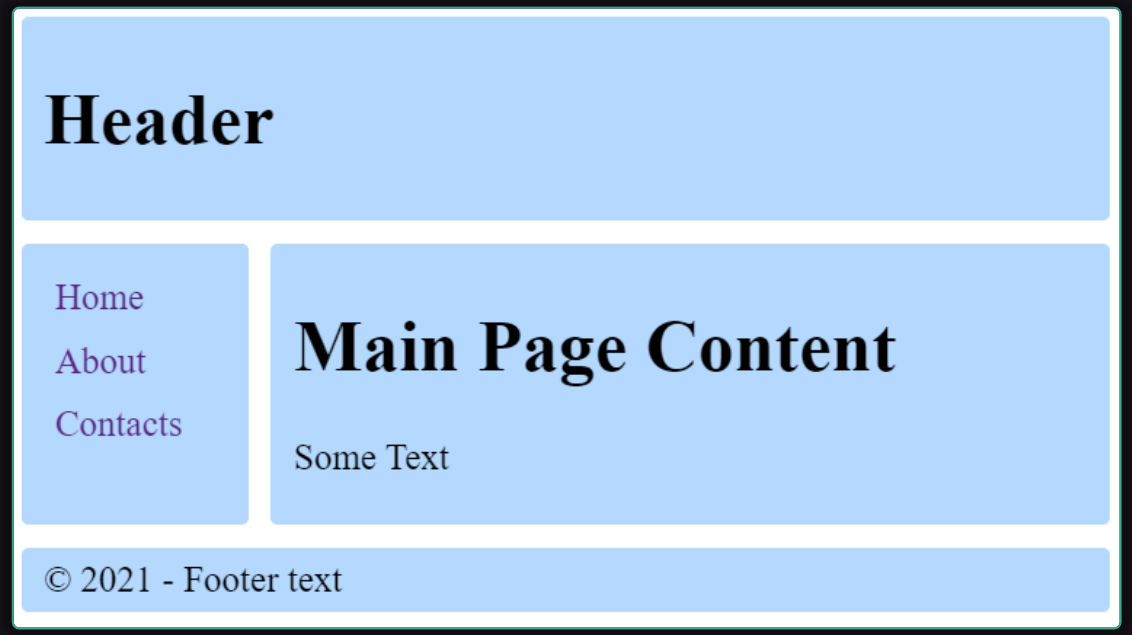
```
body { display: grid;
  grid-template-areas:
    "header header"
    "aside  main"
    "footer footer";
  grid-template-columns:
    100px auto;
}
header { grid-area: header; }
aside { grid-area: aside; }
main { grid-area: main; }
footer { grid-area: footer; }
```

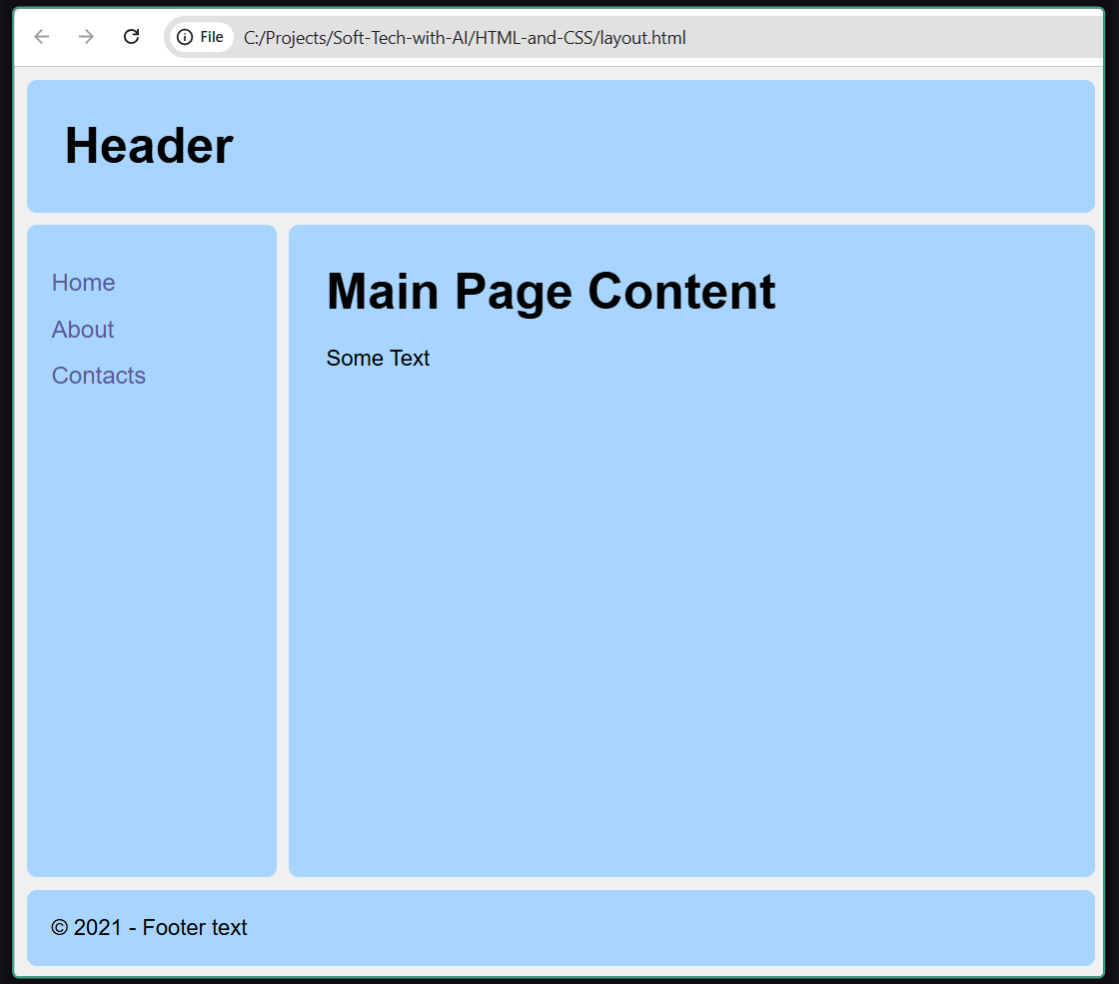


Exercise: Simple Site Layout

- Create a **simple CSS grid layout**, like at the screenshot

```
Create a Web page layout `layout.html`, like at the screenshot. Use CSS grid.
```





Responsive Design

Adaptive Design for Different Screen Sizes

0-480

Smaller smartphones

481-768

Tablets & larger smartphones

769-1279

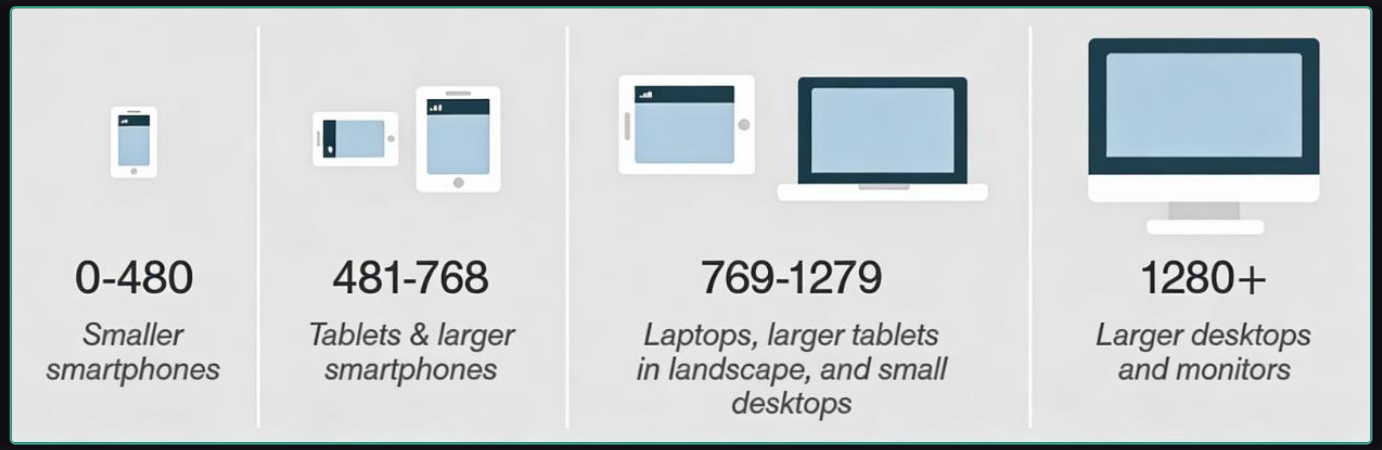
Laptops, larger tablets in landscape, and small desktops

1280+

Larger desktops and monitors

Responsive Design

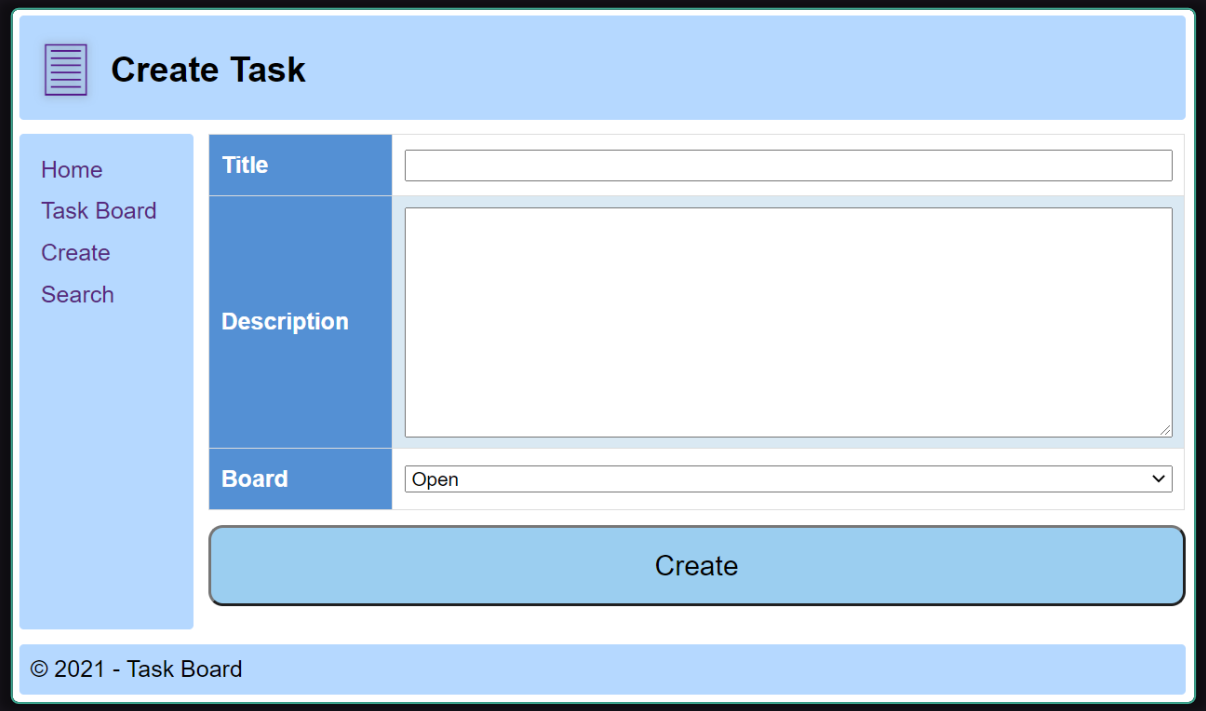
- **Responsive design** (adaptive design, adaptive layout)
  - Site auto **re-arranges its layout** at different **screen sizes**
  - **Desktop** screens, **tablet** screens, **mobile** screens
  - CSS may define custom styles at different **breakpoints**

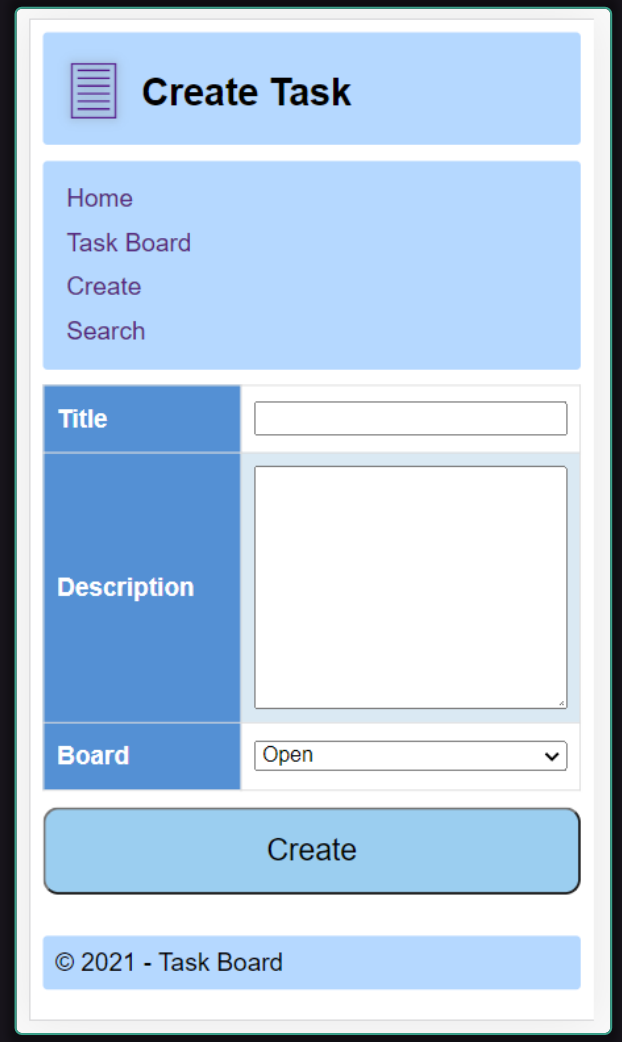



```
@media (max-width: 480px) {
   nav {
      display: none;
   }
}
```

Responsive Design – Example

- Example of **responsive design**:
  - Web form, rendered on **desktop**
  - The same form, rendered on **mobile**





How to Make Design Responsive?

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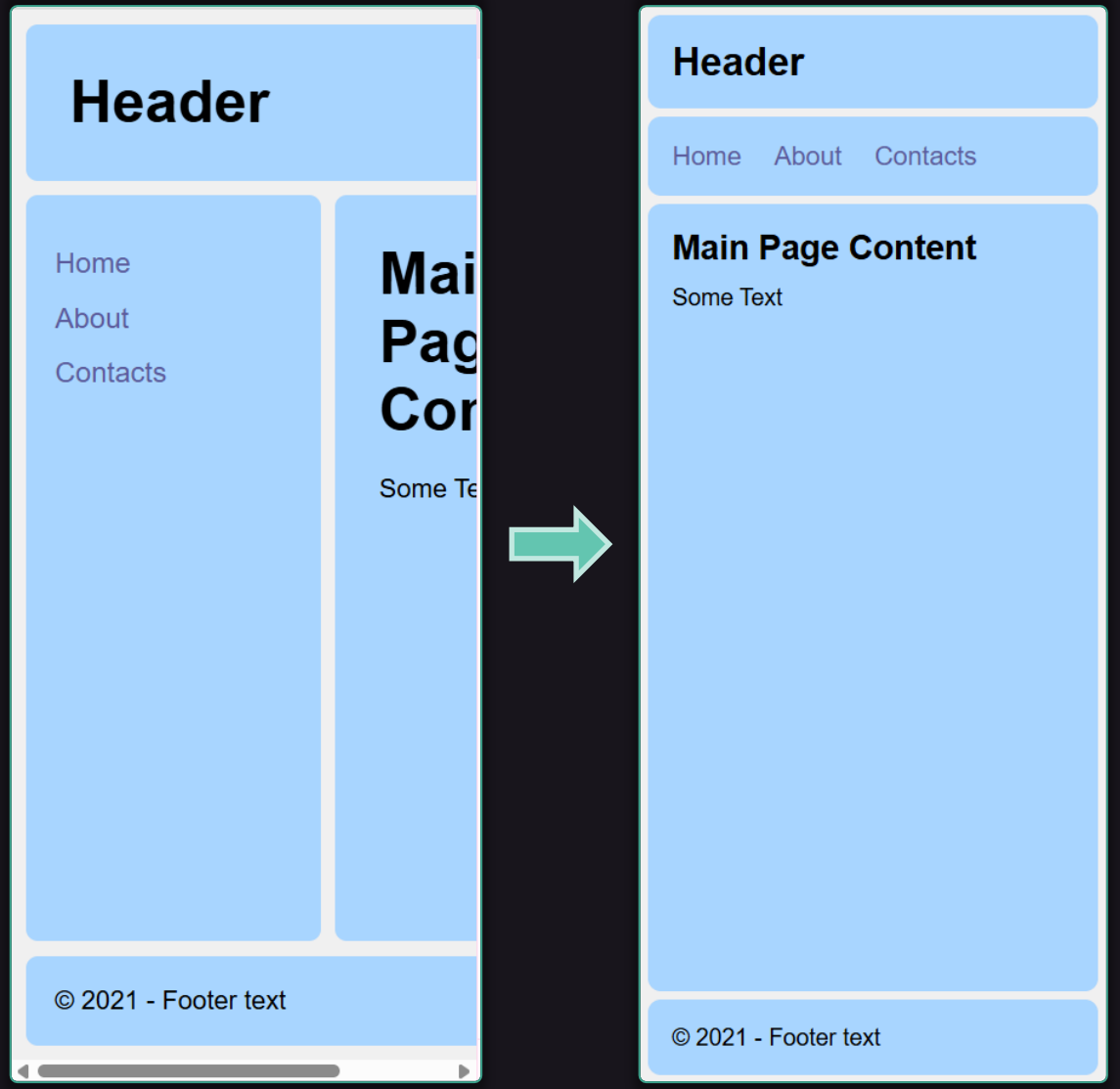
- How to implement **responsive design** for mobile devices?
  - Just tell the AI dev agent: "***implement responsive layout***"

  - It will add CSS **breakpoints** for **different screen resolutions**



Exercise: Blog Responsive Layout

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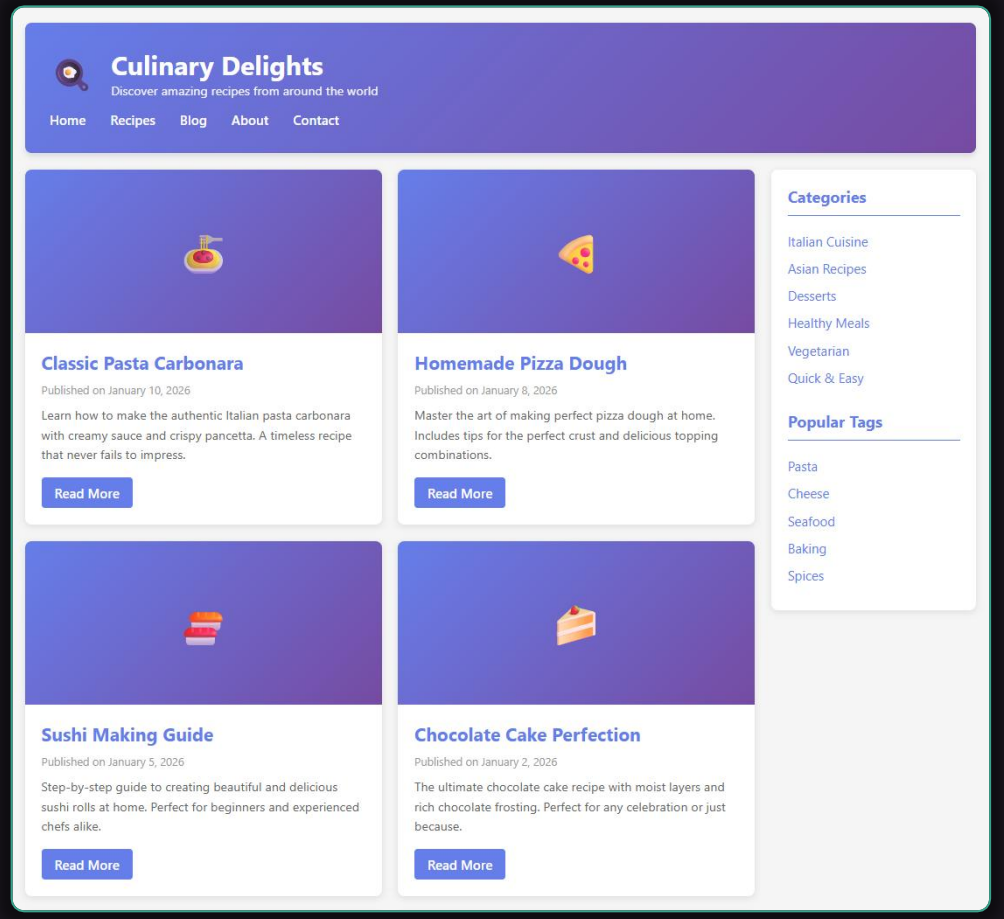
- Create a **responsive Web layout**, for a real-world web site

Create a responsive CSS layout for a blog page: blog.html
- Choose a topic of your choice, e.g. a training course, a travel blog, a cooking recipe site, etc.
- Site header: logo + title + nav
- Site main: sections, holding articles
- Site sidebar: categories, tags, links
- Site footer: copyright text + navigation



HTML Tables

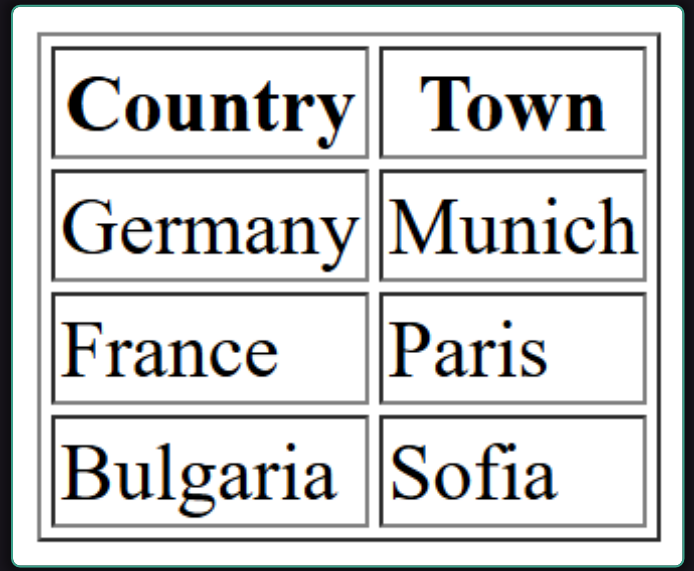
Tables, Rows, Columns, Merged Cells

Category	Product	Price (EUR)
Fruits	Apples (1 kg)	€2.99
Fruits	Bananas (1 kg)	€1.49
Fruits	Oranges (1 kg)	€3.29
Vegetables	Carrots (1 kg)	€1.29

HTML Tables

- **HTML tables** visualize tabular data
  - **Tables** hold **rows** and each row holds **columns**
  - Tags: `<table>`, `<tr>`, `<td>`, …

```
<table border="1">
  <tr><th>Country</th><th>Town</th></tr>
  <tr><td>Germany</td><td>Munich</td></tr>
  <tr><td>France</td><td>Paris</td></tr>
  <tr><td>Bulgaria</td><td>Sofia</td></tr>
</table>
```



Country	Town
Germany	Munich
France	Paris
Bulgaria	Sofia

Exercise: Product Comparison Table

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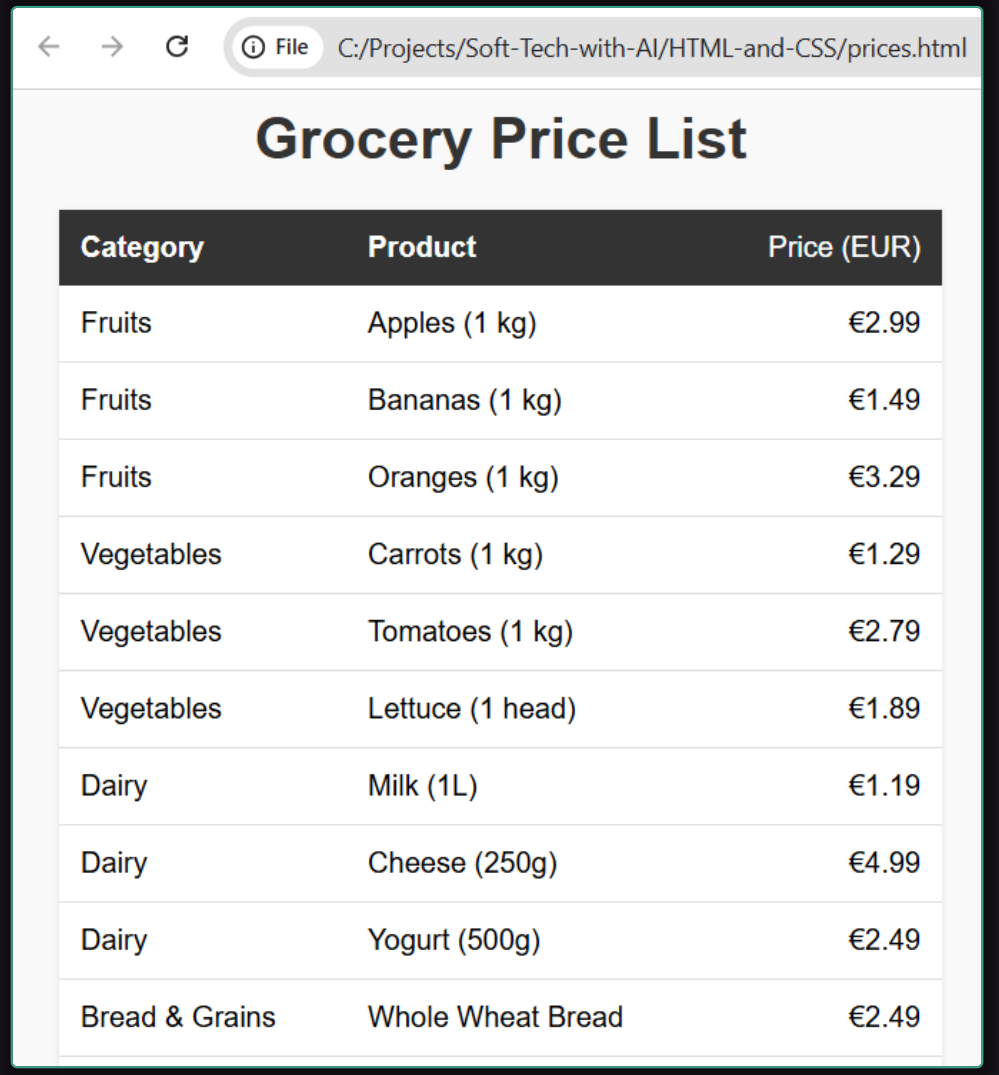
- Create a product comparison Web page with **HTML table**

```
Create a price list HTML table: `prices.html`
  - List grocery products
  - Category | Product | Price (in EUR)
  - Use an HTML table with minimalistic CSS styling
```



Exercise: Weekly Schedule Table

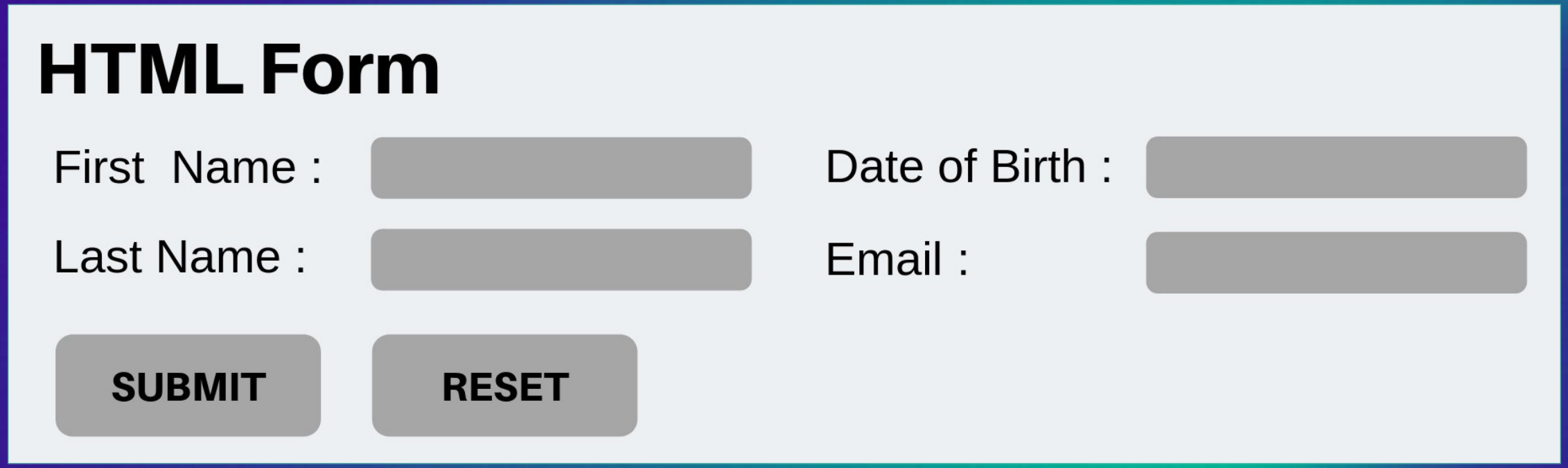
SoftUni AI

Create a school weekly schedule timetable: timetable.html
- Table with columns: Monday, Tuesday, …, Sunday
- Each column holds timeslots: 8:00 - 9:00, 9:00 - 10:00
- Each timeslot each day holds a lesson, e.g. Math, English, Coding, Art
- The Lunch Break slot (12:00 - 13:00) stretches across Monday through Friday
- Saturday and Sunday stretch across all timeslots and hold "holiday"

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8:00 - 9:00	Math	English	Coding	Art	Math	Holiday	Holiday
9:00 - 10:00	English	Coding	Art	Math	English		
10:00 - 11:00	Coding	Art	Math	English	Coding		
11:00 - 12:00	Art	Math	English	Coding	Art		
12:00 - 13:00	Lunch Break						
13:00 - 14:00	Math	English	Coding	Art	Math		
14:00 - 15:00	English	Coding	Art	Math	English		
15:00 - 16:00	Coding	Art	Math	English	Coding		

HTML Forms

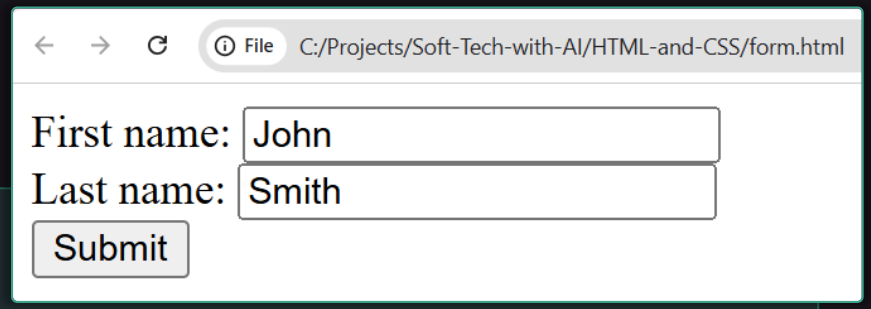
Form, Action, Form Controls, Submit



HTML Forms

SoftUni AI

- **HTML forms** collect user-entered data
  - Hold form **fields** + **submit** button




```
<form>
  <label for="fname">First name:</label>
  <input type="text" id="fname" name="fname" value="John" />
  <br>
  <label for="lname">Last name:</label>
  <input type="text" id="lname" name="lname" value="Smith" />
  <br>
  <input type="submit" value="Submit" />
</form>
```

Form Structure and Submission

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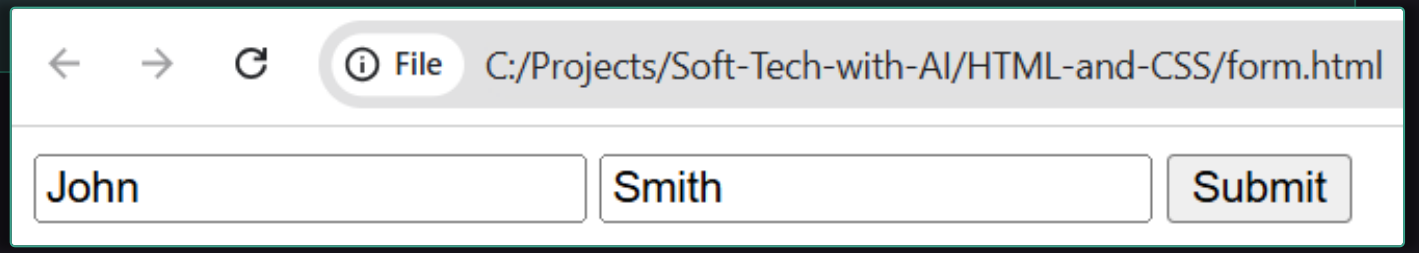
- Forms collect **fields** and **submit** them to certain **action** script

```
<form method="post" action="register.php">
  <input type="text" name="fname" value="John" />
  <input type="text" name="lname" value="Smith" />
  <input type="submit" value="Submit" />
</form>
```



submit

```
Form data sent to `register.php`
```

```
fname=John&lname=Smith
```

fname	John
lname	Smith

HTML Form Fields

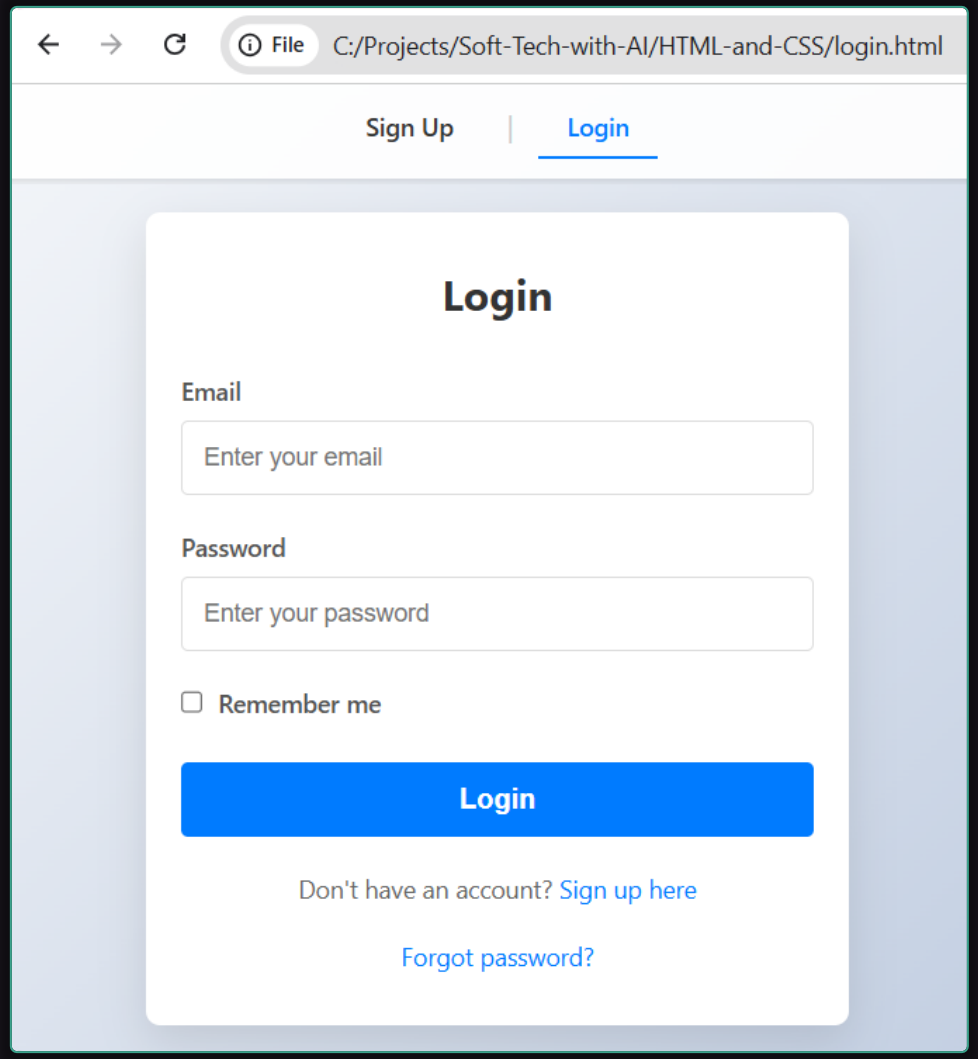
- **Text box** (text, password, number, date, color), **text area**, **drop-down**, **radio button**, **listbox**, **checkbox**, **submit button**, **labels**, **fieldset + legend**

Exercise: Sign Up / Login Form

SoftUni AI

- Create user **sign up** and **login forms**

```
Create a sample user sign up and login form
   - Define two HTML pages: signup.html, login.html
   - Show simple navigation: Sign Up | Login
   - Use minimalistic CSS styling
```

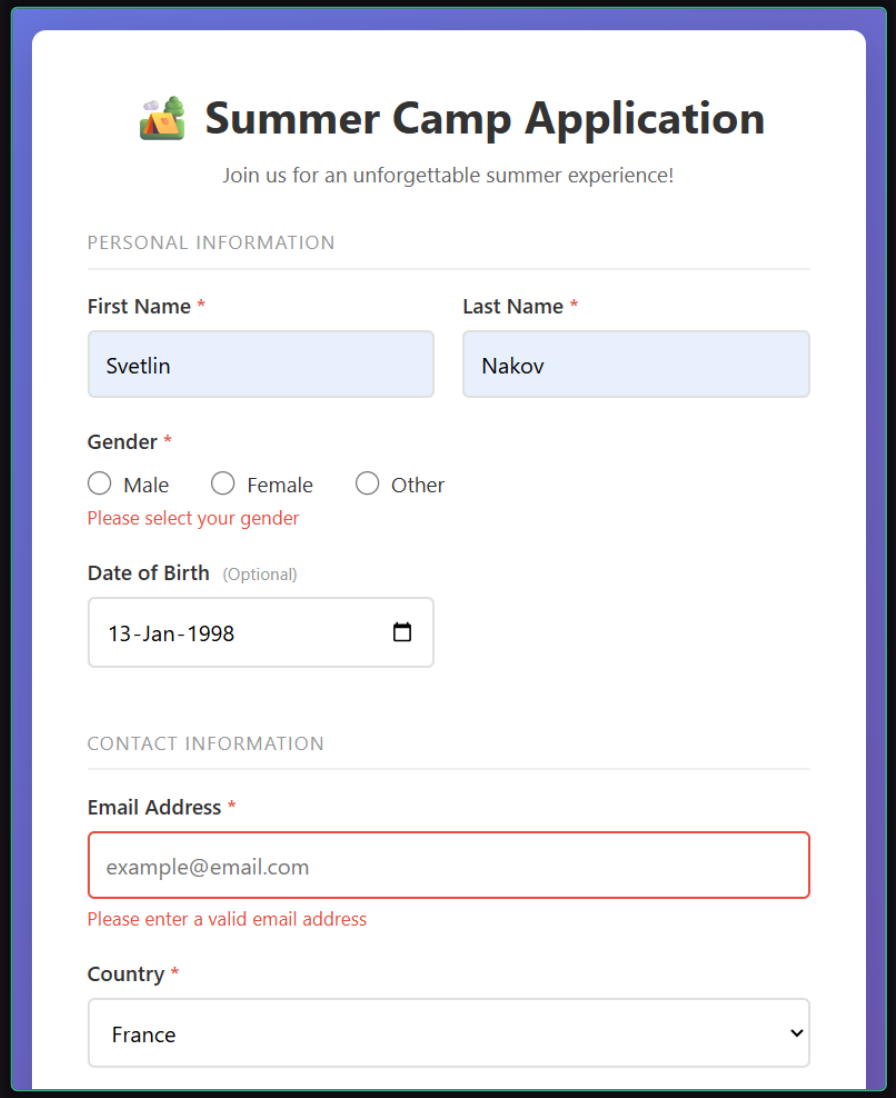


Exercise: Application Form

SoftUni AI

Create an application form for summer camp: apply-camp.html

- First Name, Last Name
- Gender (radio buttons: Male / Female / Other)
- Date of birth (calendar, optional)
- Email (with validation)
- Country (drop down: Germany, France, Bulgaria, United States)
- Why you want to apply? (textarea)
- Comments (textarea, optional)
- Style the form with CSS
- Implement basic validation



JavaScript in HTML

HTML, JavaScript and DOM Interaction

```
<textarea id="output" rows="21" cols="15">
</textarea>
<script>
    let result = "";
    for (let i = 1; i <= 20; i++)
        result += `${i}*${i } = ${i * i}\n`;
    document.getElementById('output').value = result;
</script>
```

JavaScript in HTML

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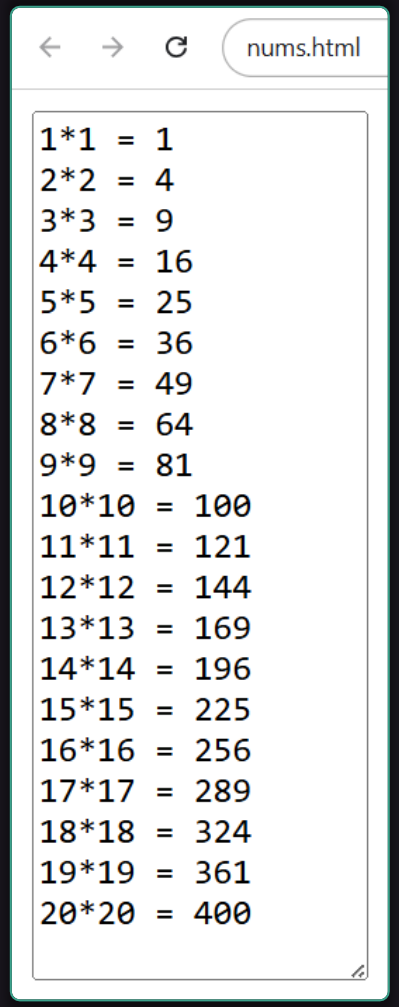
- Inserting **JavaScript** code inside an HTML page:

```
<html>
  <textarea id="outputBox" rows="21" cols="30">
  </textarea>
</html>
```

```
<script>
  let result = "";
  for (let i = 1; i <= 20; i++)
    result += `${i}*${i } = ${i * i}\n`;
  let outputBox =
    document.getElementById('outputBox');
  outputBox.value = result;
</script>
```



Exercise: Sum Two Numbers in JS

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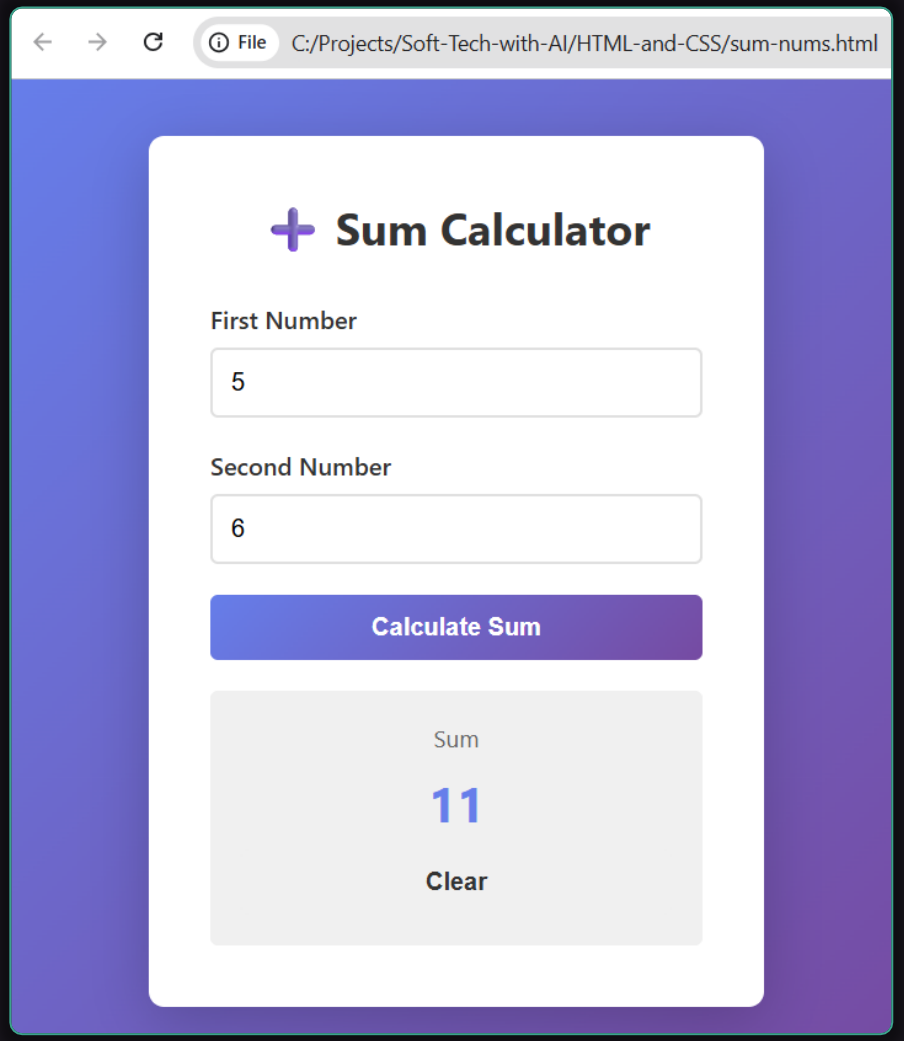
- Create a HTML page to sum two numbers

```
Create a HTML page `sum-nums.html`
to sum two numbers:
   - Two form fileds (input numbers)
   - Third form field (result)
   - Button [Calculate]
   - Inline JavaScript summator
   - Keep it simple
```



Lesson Summary

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- **HTML** defines Web page **content**, uses text + **tags**
- **CSS** defines content **styling**, uses **selectors** + **rules**

```
<h1>Languages</h1>
<ul>
  <li>JS</li>
  <li>Python</li>
  <li>PHP</li>
</ul>
```

```
h1 { color: #2E4AA7 }
li {
  display: inline;
  padding: 5px 10px;
  background: #CCC;
}
```

- **CSS layout** systems: **Flexbox** (1D flow), **Grid** (2D)
- HTML **tables** show tabular data: **<table>**, **<tr>**, **<td>**
- HTML **forms** collect user data in form **fields**

Questions?

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