Build a Page of Playing Cards
Code

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <title>Playing Cards</title>
  <style>
    /* Page setup */
    body {
      font-family: Arial, sans-serif;
      background-color: #0b5c3a;
      padding: 40px;
    }

    /* 2, 5, 8-11 */
    #playing-cards {
      display: flex;
      justify-content: center;
      flex-wrap: wrap;
      gap: 20px;
    }

    /* 3, 6, 12-13 */
    .card {
      width: 150px;
      height: 220px;
      background-color: white;
      border-radius: 10px;
      border: 2px solid #000;
      padding: 10px;
      display: flex;
      justify-content: space-between;
    }

    /* 7, 14 */
    .left {
      align-self: flex-start;
    }
```

```
    /* 8, 10, 15, 17-18 */
    .middle {
      align-self: center;
      display: flex;
      flex-direction: column;
      text-align: center;
      font-size: 24px;
    }

    /* 9, 16 */
    .right {
      align-self: flex-end;
    }
  </style>
</head>
<body>

  <!-- 1 -->
  <main id="playing-cards">

    <!-- Card 1 -->
    <div class="card">
      <div class="left">A♠</div>
      <div class="middle">
        <span>♠</span>
        <span>♠</span>
        <span>♠</span>
      </div>
      <div class="right">A♠</div>
    </div>

    <!-- Card 2 -->
    <div class="card">
      <div class="left">K♥</div>
      <div class="middle">
        <span>♥</span>
        <span>♥</span>
        <span>♥</span>
      </div>
      <div class="right">K♥</div>
```

```
    </div>

    <!-- Card 3 -->
    <div class="card">
      <div class="left">Q♦</div>
      <div class="middle">
        <span>♦</span>
        <span>♦</span>
        <span>♦</span>
      </div>
      <div class="right">Q♦</div>
    </div>

  </main>

</body>
</html>
```
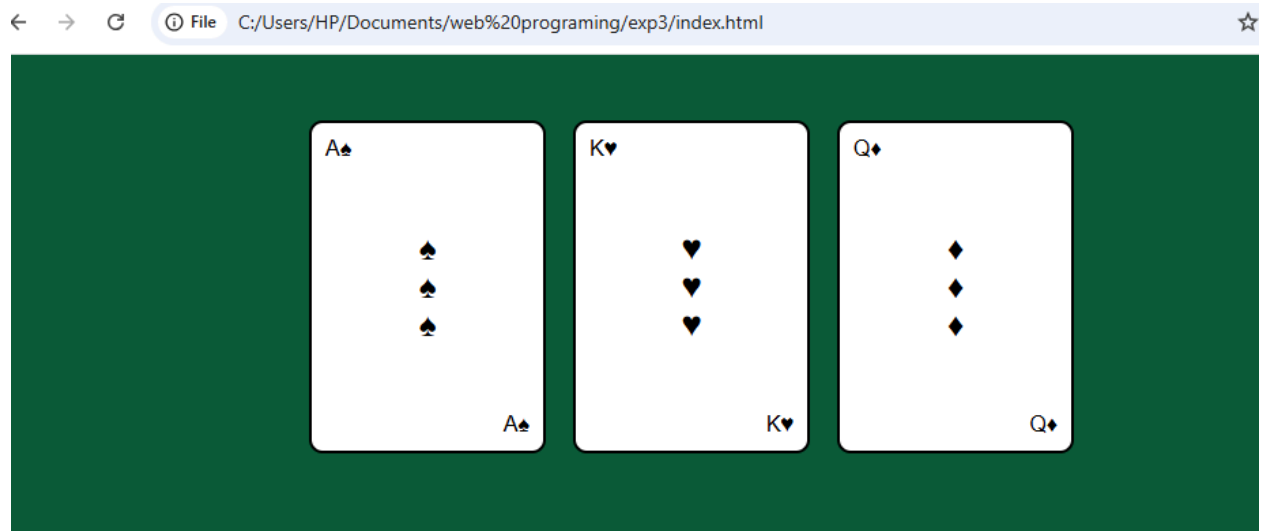
Output



2 Build a Technical Documentation
Code

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <title>Web Development Basics</title>
  <style>
```

```css
body {
  margin: 0;
  font-family: Arial, sans-serif;
  line-height: 1.6;
}

/* Navbar */
#navbar {
  position: fixed;
  left: 0;
  top: 0;
  width: 260px;
  height: 100vh;
  background-color: #1f2933;
  color: white;
  padding: 20px;
  box-sizing: border-box;
}

#navbar header {
  font-size: 22px;
  margin-bottom: 15px;
}

.nav-link {
  display: block;
  color: #cbd5e1;
  text-decoration: none;
  margin: 8px 0;
}

.nav-link:hover {
  color: white;
}

/* Main content */
#main-doc {
  margin-left: 280px;
  padding: 20px;
}
```

```css
    .main-section {
      margin-bottom: 40px;
    }

    code {
      display: block;
      background: #f1f5f9;
      padding: 10px;
      margin: 10px 0;
    }

    /* Media Query */
    @media (max-width: 768px) {
      #navbar {
        position: static;
        width: 100%;
        height: auto;
      }

      #main-doc {
        margin-left: 0;
      }
    }
  </style>
</head>
<body>

  <!-- 8, 12 -->
  <nav id="navbar">
    <!-- 9, 11, 13, 18 -->
    <header>Web Development Basics</header>

    <!-- 10, 14-20 -->
    <a class="nav-link" href="#HTML_Basics">HTML Basics</a>
    <a class="nav-link" href="#CSS_Fundamentals">CSS Fundamentals</a>
    <a class="nav-link" href="#JavaScript_Introduction">JavaScript
Introduction</a>
    <a class="nav-link" href="#Responsive_Design">Responsive Design</a>
    <a class="nav-link" href="#Best_Practices">Best Practices</a>
```

```html
</nav>

<!-- 1 -->
<main id="main-doc">

  <!-- Section 1 -->
  <section class="main-section" id="HTML_Basics">
    <header>HTML Basics</header>
    <p>HTML is the structure of the web.</p>
    <p>It uses elements to define content.</p>
    <code>&lt;h1&gt;Hello World&lt;/h1&gt;</code>
    <ul>
      <li>Elements</li>
      <li>Attributes</li>
    </ul>
  </section>

  <!-- Section 2 -->
  <section class="main-section" id="CSS_Fundamentals">
    <header>CSS Fundamentals</header>
    <p>CSS styles your HTML.</p>
    <p>It controls layout and colors.</p>
    <code>body { background: white; }</code>
    <ul>
      <li>Selectors</li>
      <li>Properties</li>
    </ul>
  </section>

  <!-- Section 3 -->
  <section class="main-section" id="JavaScript_Introduction">
    <header>JavaScript Introduction</header>
    <p>JavaScript adds interactivity.</p>
    <p>It runs in the browser.</p>
    <code>console.log("Hello");</code>
    <ul>
      <li>Variables</li>
    </ul>
  </section>
```

```html
    <!-- Section 4 -->
    <section class="main-section" id="Responsive_Design">
      <header>Responsive Design</header>
      <p>Responsive design works on all screens.</p>
      <p>Media queries help adjust layouts.</p>
      <code>@media (max-width: 600px) { }</code>
      <ul>
        <li>Flexbox</li>
      </ul>
    </section>

    <!-- Section 5 -->
    <section class="main-section" id="Best_Practices">
      <header>Best Practices</header>
      <p>Write clean, readable code.</p>
      <p>Comment when necessary.</p>
      <code>// This is a comment</code>
      <ul>
        <li>Consistency</li>
      </ul>
    </section>

  </main>

</body>
</html>
```
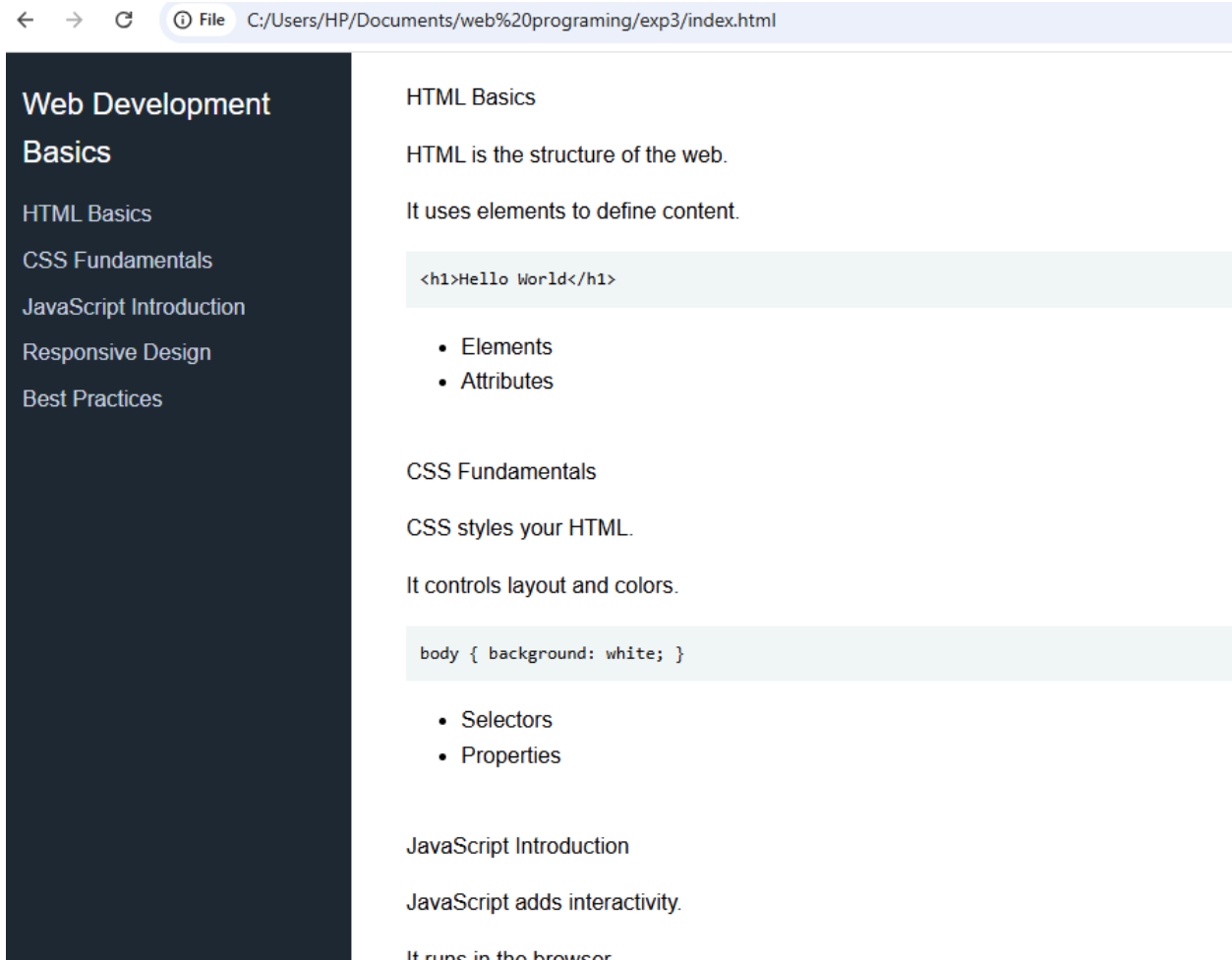
Output

**Web Development Basics**

HTML Basics

CSS Fundamentals

JavaScript Introduction

Responsive Design

Best Practices

HTML Basics

HTML is the structure of the web.

It uses elements to define content.

```
<h1>Hello World</h1>
```

- Elements
- Attributes

CSS Fundamentals

CSS styles your HTML.

It controls layout and colors.

```
body { background: white; }
```

- Selectors
- Properties

JavaScript Introduction

JavaScript adds interactivity.

It runs in the browser

3 A Newspaper Layout
Code

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>The Daily Grid</title>

  <style>
    body {
      margin: 0;
      padding: 20px;
      font-family: Georgia, serif;
      background-color: #f4f4f4;
    }
```

```css
/* Main Grid Layout */
.newspaper-layout {
  display: grid;
  grid-template-areas:
    "title title title"
    "feature-article feature-article cover-image"
    "secondary-article secondary-article cover-image"
    "small-article1 small-article2 small-article3";
  grid-template-columns: repeat(3, 1fr);
  grid-template-rows: auto 1fr 1fr 1fr;
  gap: 20px;
}

/* Grid Areas */
.title {
  grid-area: title;
  background: #222;
  color: white;
  padding: 20px;
  text-align: center;
}

.feature-article {
  grid-area: feature-article;
  background: white;
  padding: 15px;
}

.secondary-article {
  grid-area: secondary-article;
  background: white;
  padding: 15px;
}

.cover-image {
  grid-area: cover-image;
  background: white;
  padding: 10px;
  text-align: center;
}
```

```css
    .small-article1 {
      grid-area: small-article1;
      background: white;
      padding: 10px;
    }

    .small-article2 {
      grid-area: small-article2;
      background: white;
      padding: 10px;
    }

    .small-article3 {
      grid-area: small-article3;
      background: white;
      padding: 10px;
    }

    /* Image rule */
    .cover-image img {
      max-width: 100%;
    }
  </style>
</head>
<body>

  <!-- Main Container -->
  <main class="newspaper-layout">

    <!-- Title -->
    <header class="title">
      <h1>The Daily Grid</h1>
    </header>

    <!-- Feature Article -->
    <article class="feature-article">
      <h2>Breaking News</h2>
      <p>
        Grid layouts are transforming the way developers design complex
```

```html
      web pages with precision and clarity.
    </p>
  </article>

  <!-- Cover Image -->
  <figure class="cover-image">
    <img src="https://via.placeholder.com/300x400" alt="Newspaper
Cover">
  </figure>

  <!-- Secondary Article -->
  <article class="secondary-article">
    <h2>Technology</h2>
    <p>
      CSS Grid allows developers to build responsive layouts with fewer
      hacks and cleaner code.
    </p>
  </article>

  <!-- Small Articles -->
  <article class="small-article1">
    <h3>World</h3>
    <p>Global markets react to new technology trends.</p>
  </article>

  <article class="small-article2">
    <h3>Sports</h3>
    <p>Data analytics reshapes competitive sports strategies.</p>
  </article>

  <article class="small-article3">
    <h3>Culture</h3>
    <p>Design systems influence modern digital storytelling.</p>
  </article>

  </main>

</body>
</html>
```
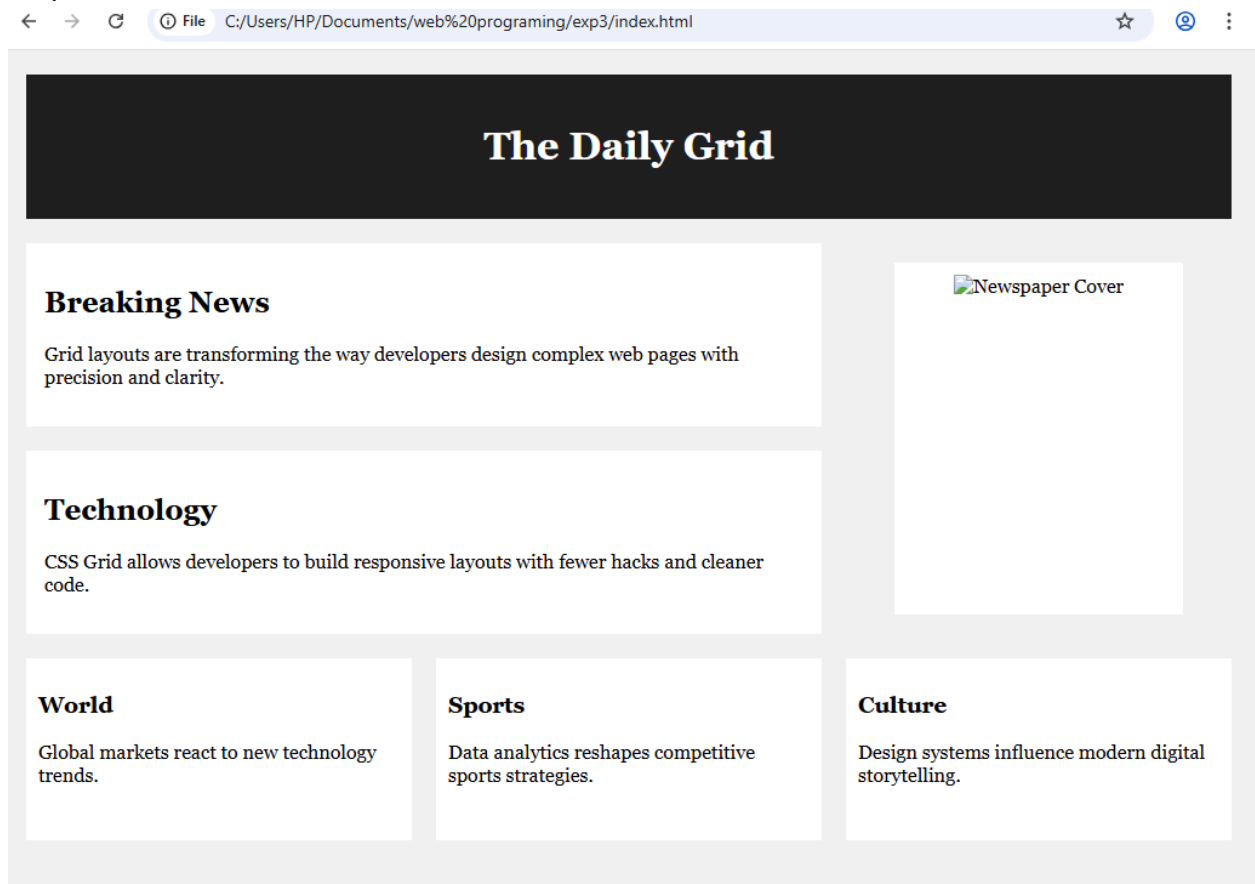
Output



Build a Product Landing Page
Code

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>FlexSound Headphones</title>

  <style>
    body {
      margin: 0;
      font-family: Arial, sans-serif;
    }

    /* Header */
    #header {
      position: fixed;
      top: 0;
```

```css
    width: 100%;
    background-color: #111827;
    color: white;
    display: flex;
    justify-content: space-between;
    align-items: center;
    padding: 10px 20px;
    box-sizing: border-box;
}

#header-img {
    height: 40px;
}

#nav-bar {
    display: flex;
    gap: 15px;
}

.nav-link {
    color: white;
    text-decoration: none;
}

main {
    margin-top: 90px;
    padding: 20px;
}

section {
    margin-bottom: 60px;
}

/* Gallery */
.gallery {
    display: flex;
    gap: 20px;
    flex-wrap: wrap;
}
```

```css
    .gallery img {
      width: 300px;
      max-width: 100%;
      border-radius: 8px;
      border: 2px solid #ddd;
    }

    /* Form */
    #form {
      display: flex;
      flex-direction: column;
      max-width: 400px;
      gap: 10px;
    }

    #email,
    #submit {
      padding: 10px;
      font-size: 16px;
    }

    /* Media Query */
    @media (max-width: 768px) {
      #header {
        flex-direction: column;
        align-items: flex-start;
      }

      #nav-bar {
        flex-direction: column;
      }

      .gallery {
        flex-direction: column;
      }
    }
  </style>
</head>
<body>
```

```html
<!-- Header -->
<header id="header">
  <!-- ✅ WORKING LOGO -->
  <img
    id="header-img"
    src="https://via.placeholder.com/150x40?text=FlexSound"
    alt="FlexSound Logo"
  />

  <nav id="nav-bar">
    <a class="nav-link" href="#features">Features</a>
    <a class="nav-link" href="#gallery">Gallery</a>
    <a class="nav-link" href="#signup">Sign Up</a>
  </nav>
</header>

<main>

  <section id="features">
    <h2>Premium Sound</h2>
    <p>
      FlexSound headphones deliver immersive audio, deep bass, and
comfort
      designed for all-day listening.
    </p>
  </section>

  <!-- ✅ WORKING IMAGE GALLERY -->
  <section id="gallery">
    <h2>Product Gallery</h2>
    <div class="gallery">
      <img src="https://via.placeholder.com/300x200?text=Front+View"
alt="Front view">
      <img src="https://via.placeholder.com/300x200?text=Side+View"
alt="Side view">
      <img src="https://via.placeholder.com/300x200?text=Lifestyle"
alt="Lifestyle">
    </div>
  </section>
```

```html
      <section id="signup">
        <h2>Get Updates</h2>
        <form
          id="form"
          action="https://www.freecodecamp.org/email-submit"
        >
          <input
            id="email"
            name="email"
            type="email"
            placeholder="Enter your email address"
            required
          />
          <input
            id="submit"
            type="submit"
            value="Subscribe"
          />
        </form>
      </section>

  </main>

</body>
</html>
```

Output

FlexSound Logo

Features  Gallery  Sign

## Premium Sound

FlexSound headphones deliver immersive audio, deep bass, and comfort designed for all-day listening.

## Product Gallery

Front view          Side view          Lifestyle

## Get Updates

Enter your email address

Subscribe