
Learning Activity: Build a Responsive Car Rental Website for AZoom

Learning Objectives

By completing this activity, students will be able to:

- Create a semantically structured HTML5 web page.
- Apply CSS3 for layout, design, and responsiveness.
- Use **Flexbox** and **Grid** appropriately for content organization.
- Practice responsive design for mobile and desktop views.

Scenario:

You have been hired as a frontend developer by **AZoom**, a new car rental company. Your task is to build the **homepage** of their responsive website using HTML5 and CSS3. The layout must include a modern look and be mobile-friendly.

Requirements

✓ General Requirements

- Use semantic HTML5 structure (`<header>`, `<nav>`, `<main>`, `<section>`, `<footer>`, etc.).
 - Use external CSS3 stylesheet for styling. (`<link rel="stylesheet" href="style.css" />`)
 - Use **Flexbox** for the **navigation bar** and **horizontal card sections**.
 - Use **CSS Grid** for layout organization in areas like promotions, search results, or reviews.
 - Add appropriate placeholder text, images, icons (use free sources like unsplash.com, [fontawesome](https://fontawesome.com), or emojis).
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Website Structure and Sections

1. Header + Navigation Bar

- Use **Flexbox**
- Left: AZoom logo
- Right: Navigation menu items:
 - Reserve
 - Rent
 - Return
 - Contact
 - About Us
 - Login / Logout (toggle style)

<header>

<div class="logo">AZoom</div>

<nav class="nav-menu">

Reserve

Rent

Return

Contact

About Us

Login

Logout

```
</nav>
</header>
```

2. Hero Section

- Full-width banner with **background image**
- Centered **headline**, **subtext**, and a **call-to-action** button

```
<section class="hero">
  <h1>Rent the Right Car, Right Now</h1>
  <p>Fast. Affordable. Anywhere in the city.</p>
  <button>Reserve Your Car</button>
</section>
```

3. Promotion Section (Use Grid)

- Display **3–4 promotion cards** (e.g., 20% off weekends, student discounts)

```
<section class="promotions">
  <div class="promo-card">Weekend Deal: 20% Off</div>
  <div class="promo-card">Student Discount</div>
  <div class="promo-card">Long-term Rental Bonus</div>
</section>
```

4. Search Section

- Search form with filters: location, date, car type
- Use **Flexbox**

```
<section class="search-form">
  <form>
    <input type="text" placeholder="Location">
    <input type="date">
    <select>
      <option>Sedan</option>
      <option>SUV</option>
      <option>Van</option>
    </select>
    <button>Search</button>
  </form>
</section>
```

5. Customer Reviews (Use Grid or Flexbox)

- 3-column layout for user reviews with user avatar, name, rating, and short review

```
<section class="reviews">
  <div class="review-card">★★★★★ Great service!</div>
  <div class="review-card">★★★★★ Clean car, on time.</div>
  <div class="review-card">★★★★★ Affordable and easy!</div>
</section>
```

6. Car Categories / Fleet Showcase

- Use cards or a grid layout to show different car types (e.g., Economy, Family, SUV, Luxury)
- Each card has a car image, title, price range

7. Additional Sections (Optional but Encouraged)

- **Why Choose Us:** List features like “24/7 Support,” “Mobile App,” “No Hidden Charges”
- **Mobile App Promo:** Highlight downloadable app with QR code or download buttons
- **Partners:** Logos of affiliated brands (optional)

8. Footer

- Contain 3 columns using Grid:
 - Contact Info
 - Quick Links
 - Social Media / Newsletter Signup

- Below that: A simple **Sitemap** as text links.

```
<footer>
  <div class="footer-grid">
    <div>Contact Us</div>
    <div>Quick Links</div>
    <div>Follow Us</div>
  </div>
  <div class="sitemap">
    <a href="#">Reserve</a> | <a href="#">Rent</a> | <a href="#">Return</a> | ...
  </div>
</footer>
```

Styling Requirements (CSS3)

- Responsive layout using `@media` queries
 - Consistent color theme and fonts
 - Use `hover` effects on buttons and links
 - Responsive grid with `grid-template-columns: repeat(auto-fit, minmax(...))`
 - Flexbox for nav and inline sections
 - Visual emphasis using:
 - `box-shadow`
 - `border-radius`
 - `transitions`
-


```
/* style.css */
```

```
body {  
  margin: 0;  
  font-family: 'Roboto', sans-serif;  
  background-color: #f4f4f4;  
  color: #333;  
}
```

```
header {  
  background-color: #003366;  
  color: white;  
  display: flex;  
  justify-content: space-between;  
  align-items: center;  
  padding: 1rem 2rem;  
}
```

```
.logo {  
  font-size: 1.8rem;  
  font-weight: bold;  
}
```

```
.nav-menu {  
  display: flex;  
  gap: 1rem;  
}
```

```
.nav-menu a {  
  color: white;  
  text-decoration: none;  
  font-weight: 500;
```

```
}
```

```
.nav-menu a:hover {  
  text-decoration: underline;  
}
```

```
.hero {  
  background: url('https://source.unsplash.com/1600x500/?car,rent') no-repeat center  
center/cover;  
  color: white;  
  text-align: center;  
  padding: 4rem 1rem;  
}
```

```
.hero h1 {  
  font-size: 2.5rem;  
  margin-bottom: 1rem;  
}
```

```
.hero button {  
  background-color: #ff6600;  
  color: white;  
  border: none;  
  padding: 0.75rem 1.5rem;  
  font-size: 1rem;  
  cursor: pointer;  
  border-radius: 5px;  
  transition: background-color 0.3s ease;  
}
```

```
.hero button:hover {  
  background-color: #e65c00;  
}
```

```
.promotions {  
  display: grid;  
  grid-template-columns: repeat(auto-fit, minmax(250px, 1fr));  
  gap: 1rem;  
  padding: 2rem;  
}
```

```
.promo-card {  
  background: white;  
  padding: 1rem;  
  border-left: 5px solid #003366;  
  box-shadow: 0 2px 5px rgba(0,0,0,0.1);  
}
```

```
.search-form form {  
  display: flex;  
  flex-wrap: wrap;  
  gap: 1rem;  
  padding: 2rem;  
  background: white;  
  justify-content: center;  
}
```

```
.search-form input,  
.search-form select,  
.search-form button {  
  padding: 0.75rem;  
  font-size: 1rem;  
  border: 1px solid #ccc;  
  border-radius: 4px;  
}
```

```
.search-form button {  
  background-color: #003366;
```

```
    color: white;
    border: none;
}
```

```
.reviews,
.categories {
    display: grid;
    grid-template-columns: repeat(auto-fit, minmax(250px, 1fr));
    gap: 1rem;
    padding: 2rem;
}
```

```
.review-card,
.category-card {
    background: white;
    padding: 1rem;
    border-radius: 6px;
    box-shadow: 0 1px 3px rgba(0,0,0,0.1);
    text-align: center;
}
```

```
footer {
    background-color: #002244;
    color: white;
    padding: 2rem;
}
```

```
.footer-grid {
    display: grid;
    grid-template-columns: repeat(auto-fit, minmax(250px, 1fr));
    gap: 1rem;
}
```

```
.footer-grid h4 {
```

```
    margin-bottom: 0.5rem;
}
```

```
.footer-grid ul {
    list-style: none;
    padding: 0;
}
```

```
.footer-grid ul li a {
    color: white;
    text-decoration: none;
}
```

```
.footer-grid ul li a:hover {
    text-decoration: underline;
}
```

```
.sitemap {
    text-align: center;
    padding-top: 1rem;
}
```

```
.sitemap a {
    color: #ccc;
    text-decoration: none;
    margin: 0 0.5rem;
}
```

```
@media (max-width: 768px) {
    .nav-menu {
        flex-wrap: wrap;
        justify-content: center;
    }
}
```

```
.hero h1 {  
  font-size: 1.8rem;  
}
```

```
.search-form form {  
  flex-direction: column;  
  align-items: stretch;  
}  
}
```