



"Interactive Recipe Card with Animations"

Objective:

Design an **interactive recipe card** where users can view ingredients, steps, and preparation time. Use CSS animations to make the experience visually engaging and basic JavaScript to create interactivity. This assignment challenges students to combine layout, media queries, and basic scripting in a practical, creative way.

Assignment Details:

1. Recipe Card Layout (HTML + CSS):

- Create a **single-page recipe card** with the following sections:
 - **Recipe title** (e.g., "Chocolate Cake").
 - **Image** of the dish.
 - **Ingredients list**.
 - **Step-by-step instructions**.
 - **Preparation time and serving size**.
- Use the **box model** to create a structured layout for each section.
- Ensure the recipe card is **styled cleanly**, with consistent fonts, spacing, and colors.

2. CSS Animations and Transitions:

- Add **hover effects** to the ingredients or steps (e.g., when hovering over an ingredient, it could change color or underline).
- Use **CSS transitions** to make the experience smoother, such as when revealing more content or changing section visibility.
- Implement an **animated progress bar** that visually represents the preparation time or steps as the user goes through them.

3. Basic JavaScript Interactivity:

- Use **JavaScript** to allow the user to **toggle the visibility** of the ingredients and steps. For example, the ingredients list might be collapsed by default and expand when the user clicks a "Show Ingredients" button.
- Implement a simple **"Start Cooking"** button, where clicking it highlights the first step. After the user clicks "Next," the following steps will be highlighted in sequence.

4. Responsive Design (Media Queries):

- Ensure the recipe card is fully responsive across different devices (mobile, tablet, desktop).
- On mobile devices, stack the sections vertically, ensuring all text and images are easily readable.

5. Visual Engagement:

- Use CSS to make the **images, text, and buttons** visually engaging.
- Encourage students to experiment with background colors, fonts, and animation timing to create an appealing design.

Bonus (Optional):

- Add a **timer** that automatically starts when the user clicks "Start Cooking." This timer can display the remaining preparation time for the recipe.
- Add a feature where the user can **print the recipe** using a print-friendly CSS layout.

Deliverables:

- The project folder with HTML, CSS, and JavaScript files, along with any images used for the recipe card.

OR

"Interactive Resume Builder"

Objective:

Create a responsive, interactive **resume builder** webpage. The page will allow users (you or any visitor) to input their personal information, and it will dynamically generate a styled resume. This assignment will incorporate HTML, CSS animations, media queries, and basic JavaScript to handle form input and real-time updates.

Assignment Details:

1. Form for Input (HTML + JavaScript):

- Create a form with fields such as:
 - Name
 - Email
 - Phone Number
 - Profile Summary
 - Education (add multiple rows dynamically)
 - Skills (checkbox or tag-like selection)
 - Experience (add multiple rows dynamically)
- Use **JavaScript** to update the resume preview in real time as users fill out the form.

2. Resume Preview Section (HTML + CSS):

- Display a **live preview** of the resume on the same page.
- Apply styling and the **box model** to structure the resume in a clean, professional layout.
- Use **CSS transitions** for smooth effects when new data is added to the resume.

3. **CSS Animations:**

- Animate the appearance of the resume preview as users input data.
- Add subtle hover effects and transitions to form inputs to enhance the user experience.

4. **Media Queries (Responsive Design):**

- Ensure the form and the resume preview are responsive across all devices (mobile, tablet, desktop).
- Adapt the resume layout to smaller screens by adjusting the font size and layout using **media queries**.

5. **Interactive Elements (JavaScript):**

- Use JavaScript to allow users to **add multiple rows** for education and experience.
- Implement a **clear form** button that resets the form and the live preview.

Bonus (Optional):

- Provide an option to **download the resume** as a PDF using JavaScript or a third-party library.
- Add an animated **progress bar** at the top of the form that shows the user how much of the form they've completed.

Deliverables:

- Submit the complete project folder, including HTML, CSS, JavaScript files.