### **1. Purpose**

The CV template is designed to:

1. Dynamically generate CVs by replacing placeholders with user-provided data.
2. Offer **hover-based interactivity** specifically for the **template preview in the gallery**.
3. Provide a fully responsive layout for all device types.

### **2. Key Features**

#### **Dynamic Content**

* Replace placeholders such as Emma Richardson, 123-456-7890, and emma.richardson@example.com with user-provided data fetched from the backend.
* Populate sections like Resume Summary, Work Experience, Education, Languages, and Skills dynamically.

#### **Hover Effects in Gallery Previews**

* In the **gallery preview**, when users hover over the CV template:
  + The **background color** transitions from white (#fff) to light gray (#f4f4f4).
  + Section headers and key elements transition their text color from black (#000) to blue (#007BFF).
  + Progress bars and skill tags change their background color from black (#000) to blue (#007BFF).
  + Transitions occur smoothly within 0.3s.

#### **Responsive Design**

* The layout adjusts to different screen sizes:
  + **Desktop/Tablets**: Width is set to 80% of the viewport.
  + **Mobile**: Width adjusts to 90%, with scaled fonts and paddings for usability.

#### **Customizable Themes (Optional)**

* Use CSS variables to customize colors dynamically:
  + --primary-color: Default text color.
  + --hover-primary-color: Color for hover effects.
  + --background-color: Default background.
  + --hover-background-color: Background color on hover.

Example JavaScript for dynamic theme changes:  
function changeTheme(primary, hoverPrimary, background, hoverBackground) {

document.documentElement.style.setProperty('--primary-color', primary);

document.documentElement.style.setProperty('--hover-primary-color', hoverPrimary);

document.documentElement.style.setProperty('--background-color', background);

document.documentElement.style.setProperty('--hover-background-color', hoverBackground);

* }
* Example themes:
  + **Red Theme**: changeTheme('#000', '#D72638', '#fff', '#f4f4f4');
  + **Green Theme**: changeTheme('#000', '#28a745', '#fff', '#e9ffe9');

### **3. Integration Steps**

1. **Dynamic Data Replacement**
   * Replace placeholders in the template (e.g., {{name}}, {{phone}}) with real user data fetched from the backend.
2. **Hover Effects**
   * Implement hover effects **only for the gallery preview mode**.
   * Ensure the following transitions:
     + Background color: #fff to #f4f4f4.
     + Header and skill colors: #000 to #007BFF.
3. **Theme Switching (Optional)**
   * Use the provided JavaScript function to allow dynamic theme changes via admin panel or user selection.
4. **Testing Requirements**
   * Test the hover effects to ensure smooth transitions in the gallery preview.
   * Validate that all placeholders are replaced correctly without breaking the layout.
   * Test responsiveness on various devices (desktop, tablet, mobile).
   * Verify compatibility across major browsers (Chrome, Firefox, Safari, Edge).

### **4. Preview Data for Testing**

Use the following mock data for testing and admin panel previews:

#### **Header Information**

* **Name**: Emma Richardson
* **Phone**: 123-456-7890
* **Email**: emma.richardson@example.com
* **Website**: www.emmarichardsonportfolio.com

#### **Resume Summary**

"Motivated teaching assistant with 5+ years of experience fostering educational growth in primary schools. Skilled in innovative lesson planning, teamwork, and communication."

#### **Work Experience**

* **Teaching Assistant** (2017 – Present, London):
  + Assisted in lesson planning and delivery for classes of 30+ students.
  + Implemented creative learning techniques that improved student performance by 20%.
  + Coordinated with staff to organize extracurricular activities.
* **Education Intern** (2015 – 2017, Edinburgh):
  + Prepared and delivered presentations on effective teaching methodologies.
  + Supported teachers in daily classroom management tasks.

#### **Education**

* **Primary Education**, University of Glasgow (2013 – 2015).

#### **Languages**

* English: 100%
* Spanish: 80%
* German: 60%

#### **Skills**

* Lesson Planning, Classroom Management, Communication.

### **5. Deliverables**

1. Fully integrated CV template with dynamic data population.
2. Hover effects implemented for gallery previews with smooth color transitions.
3. Responsive design suitable for all device types.
4. Admin panel preview populated with the mock data provided above.