EXP.NO: 1

Web Page Creation using HTML

DATE:

29/01/2025

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AIM:

To create a web page that embeds a map with hotspots, frames, and links. The web page

should be designed using HTML, incorporating embedded, external, and inline CSS for

styling. This exercise aims to enhance understanding of integrating multimedia elements like

maps, creating interactive hotspots, and organizing content using frames while applying

different CSS techniques for styling.

ALGORITHM:

Create the HTML structure:

⮚ Set up the basic HTML document with <!DOCTYPE html>, <html>, <head>, and

<body> tags.

⮚ In the <head>, link the external CSS file (<link> tag), define the title, and include any

metadata.

⮚ In the <body>, create the necessary elements:

o Frames: Use the <frameset> tag to create a frame layout (for older browsers,

use <iframe> instead).

o Map: Use the <img> tag to display a map.

o Hotspots: Create clickable regions using the <map> and <area> tags.

o Links: Add hyperlinks (<a>) to navigate to different parts of the page or

external sites.

o

Create CSS Styles:

⬜ External CSS: In a separate file, define styles such as colors, fonts, and layout for the

entire page.

⬜ Inline CSS: Use the style attribute within specific tags to apply styles (e.g., in <div>

or <p> tags).

⬜ Embedded CSS: Inside the <style> tag in the <head>, define styles for specific

elements like the map, frames, and text.

Map with Hotspots:

⬜ Use the <map> tag to create an image map.

⬜ Define the <area> tag for each hotspot, specifying the coordinates (e.g.,

coords="x,y,x2,y2") for clickable areas on the map.

Frames:

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⬜ Use the <iframe> tag for embedding external content like a map or another
webpage,

with attributes such as src for the URL, width, and height.

Add Links:

◻ Inside the <body>, use the <a> tag to create links for navigation (for example, to link

to specific parts of the page or external sites).

Test the Page:

◻ Test the webpage to check the functionality of frames, hotspots, and links. Ensure that

the map hotspots are clickable and the linked content displays correctly.

◻ Ensure that the styles are applied properly using inline, embedded, and external CSS.

CODE:

```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Online Resume Builder</title>

<link rel="stylesheet" href="styles.css">

<style>
/* =========================
   GLOBAL STYLING
========================= */
body {
    margin: 0;
    font-family: 'Arial', sans-serif;
    text-align: center;
    color: white;
    overflow-x: hidden;
    background: linear-gradient(135deg,#0f2027,#203a43,#2c5364);
}

/* Animated premium background */
body::before {
    content: "";
    position: fixed;
    top:0;
    left:0;
    width:100%;
    height:100%;
    background:
```

```css
        radial-gradient(circle at 20% 20%, rgba(0,255,255,0.15), transparent 40%),
        radial-gradient(circle at 80% 80%, rgba(0,150,255,0.12), transparent 40%);
    animation: bgMove 12s ease-in-out infinite alternate;
    z-index:-1;
}

@keyframes bgMove {
    from { transform: translate(0,0); }
    to   { transform: translate(40px,-40px); }
}

/* =========================
   HEADER
========================= */
header {
    padding: 20px;
    animation: fadeUp 1s ease;
}

h1 {
    color: #00e5ff;
    letter-spacing: 1px;
    text-shadow: 0 0 12px rgba(0,229,255,0.6);
}

.highlight {
    color: #d1ecff;
    font-weight: bold;
}

/* =========================
   NAVBAR PREMIUM
========================= */
nav {
    margin: 15px 0;
}

nav a {
    text-decoration: none;
    color: #00e5ff;
    font-weight: bold;
    margin: 0 12px;
    transition: 0.3s;
```

```css
    padding: 6px 12px;
    border-radius: 6px;
}

nav a:hover {
    background: rgba(0,229,255,0.2);
    color: white;
    box-shadow: 0 0 10px rgba(0,229,255,0.5);
}

/* =========================
   GLASS EFFECT SECTIONS
========================= */
section {
    width: 80%;
    margin: 15px auto;
    padding: 14px;
    background: rgba(255,255,255,0.08);
    border: 1px solid rgba(255,255,255,0.15);
    border-radius: 12px;
    backdrop-filter: blur(8px);
    box-shadow: 0 6px 20px rgba(0,0,0,0.3);
    animation: fadeUp 1s ease;
    transition: transform 0.3s ease;
}

section:hover {
    transform: translateY(-4px);
}

/* =========================
   MEDIA POLISH
========================= */
img {
    border-radius: 10px;
    box-shadow: 0 0 15px rgba(0,255,255,0.35);
}

iframe {
    border-radius: 10px;
    box-shadow: 0 0 15px rgba(0,255,255,0.25);
}
```

```css
/* ==========================
   ANIMATIONS
========================== */
@keyframes fadeUp {
    from {
        opacity: 0;
        transform: translateY(25px);
    }
    to {
        opacity: 1;
        transform: translateY(0);
    }
}
</style>
</head>

<body>

<header>
    <h1>Online Resume Builder</h1>
    <p class="highlight">Create professional resumes easily</p>
</header>

<nav>
    <a href="resume.html" target="content">View Sample Resume</a> |
    <a href="https://www.linkedin.com" target="_blank">LinkedIn</a> |
    <a href="https://github.com" target="_blank">GitHub</a>
</nav>

<hr>

<h2>Select Resume Section</h2>
<img src="https://i.imgur.com/5RHR6Ku.png"
    alt="Resume Sections"
    usemap="#resumemap"
    width="400"
    style="display:block; margin:auto;">

<map name="resumemap">
    <area shape="rect" coords="0,0,200,100" href="#skills">
    <area shape="rect" coords="200,0,400,100" href="#education">
    <area shape="rect" coords="0,100,200,200" href="#experience">
    <area shape="rect" coords="200,100,400,200" href="#contact">
```

```html
</map>

<hr>

<h2>Our Office Location</h2>
<iframe

src="https://maps.google.com/maps?q=DLF%20Downtown%20Chennai%20Tamil%20Nadu%20600
113&output=embed"
    width="400" height="250"
    style="border:0; display:block; margin:auto;"
    allowfullscreen>
</iframe>

<hr>

<!-- ⭐ RESUME PREVIEW (UNCHANGED) -->
<h2>Resume Preview</h2>
<iframe name="content"
        src="resume.html"
        width="80%"
        height="300"
        style="display:block; margin:auto;">
</iframe>

<section id="skills">
    <h3>Skills</h3>
    <p>HTML, CSS, JavaScript, Python</p>
</section>

<section id="education">
    <h3>Education</h3>
    <p>Bachelor of Computer Applications</p>
</section>

<section id="experience">
    <h3>Experience</h3>
    <p>Web Developer Intern</p>
</section>

<section id="contact">
    <h3>Contact</h3>
```
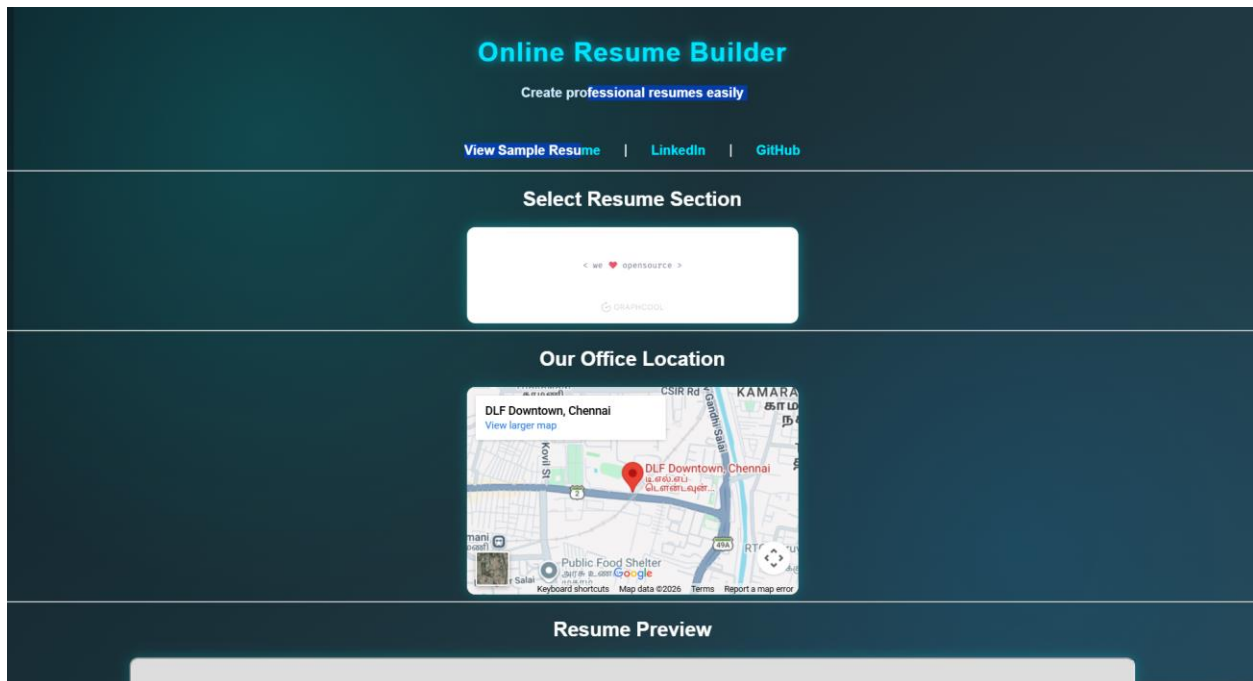
```
    <p>Email: resume@builder.com</p>
</section>


</body>
</html>
```

OUTPUT:

RESULT:

Html Page is created with embedded Chennai map along with hot spot, frames &

links.