

Documentation: Personal Bucket List Project

1. Project Overview

Project Name: Personal Bucket List

Project Type: Beginner Level

Technologies: HTML, CSS

Objective:

- Build a single-page, responsive website that displays a personal bucket list.
- Practice semantic HTML structure, CSS styling, and responsive design using media queries.

Features:

- **Structured Layout:** Uses semantic elements like `<header>`, `<main>`, `<section>`, and `<footer>`.
 - **Visual Styling:** Implements typography, color schemes, spacing, and icons for better readability and engagement.
 - **Responsive Design:** Adjusts layout for various screen sizes (desktop, tablet, mobile) using media queries and CSS Flexbox.
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2. Code Breakdown

index.html

- **HTML Document Structure:**

The document starts with the standard `<!DOCTYPE html>` declaration. The `<html>` element is set with the language attribute `"en"` for English.
- **Head Section:**
 - **Character Encoding:** `<meta charset="UTF-8">`
 - **Viewport Settings:** `<meta name="viewport" content="width=device-width, initial-scale=1.0">` ensures proper scaling on different devices.
 - **Title:** `<title>My Personal Bucket List</title>` sets the page title.
 - **External Resources:**
 - **Google Fonts:** Imports the "Roboto" font for better typography.
 - **CSS File:** Links the external stylesheet (styles.css).

- **Body Structure:**

- **Header:**

- Contains the main title and a short description:

html

```
<header>
```

```
<h1>My Personal Bucket List</h1>
```

```
<p>A collection of my dreams and goals</p>
```

```
</header>
```

- **Main Content:**

- Divided into sections that categorize bucket list items. For example:

html

```
<section>
```

```
<h2>Travel</h2>
```

```
<ul>
```

```
<li><span class="icon">✔</span> Visit Paris</li>
```

```
<li><span class="icon">★</span> Explore Japan</li>
```

```
</ul>
```

```
</section>
```

Another section is provided for "Skills" with similar structure.

- **Footer:**

- Provides a simple credit line:

html

```
<footer>
```

```
<p>Designed by Pravalika Chethi</p>
```

```
</footer>
```

styles.css

- **Global Styles:**

- **Body Styling:**

Sets the font family (Roboto), removes default margins/padding, and applies a light background color.

CSS

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

- **Header Styling:**

Centers the text, applies a dark background with white text, and adds padding.

CSS

```
header {  
  
  text-align: center;  
  
  background-color: #333;  
  
  color: #fff;  
  
  padding: 20px;  
  
}
```

- **Main Content Styling:**

Centers the main content on the page with a fixed maximum width, white background, and padding.

CSS

```
main {  
  
  max-width: 800px;  
  
  margin: 20px auto;  
  
  background-color: #fff;  
  
  padding: 20px;  
  
}
```

- **Section Headings and List Styling:**

- Section headings (<h2>) include a bottom border.
- Unordered lists have their default list style removed.
- Each list item is styled with padding, a border at the bottom, and a flex display to align icons with text.

CSS

```
section h2 {  
  border-bottom: 2px solid #333;  
  padding-bottom: 10px;  
}
```

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

```
ul li {  
  padding: 10px;  
  border-bottom: 1px solid #ccc;  
  display: flex;  
  align-items: center;  
}
```

- **Icon Styling:**

Provides spacing and increases icon size.

CSS

```
.icon {  
  margin-right: 10px;  
  font-size: 1.2em;
```

```
}
```

- **Responsive Design:**

A media query adjusts padding and margins for screens with a maximum width of 600px.

css

```
@media (max-width: 600px) {  
  header, main {  
    padding: 10px;  
  }  
  main {  
    margin: 10px;  
  }  
}
```

3. How to Run the Project

1. Setup Files:

- Create a new directory for the project.
- Inside the directory, create two files: index.html and styles.css.
- Copy the provided HTML code into index.html.
- Copy the provided CSS code into styles.css.

2. View in Browser:

- Open the index.html file in your preferred web browser (e.g., Chrome, Firefox, Safari).

3. Optional Enhancements:

- You can personalize the content by adding your photo or updating the list items.
 - Test responsiveness by resizing the browser window or using developer tools to simulate mobile devices.
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4. Expected Output

When you open the index.html file in a web browser, you will see a webpage with the following structure:

- **Header:**
A full-width header with a dark background that contains:
 - **Title:** "My Personal Bucket List"
 - **Subtitle:** "A collection of my dreams and goals"
 - **Main Content:**
Centered on the page, featuring sections like:
 - **Travel Section:**
A heading "Travel" with a bottom border followed by a list:
 - "✔ Visit Paris"
 - "★ Explore Japan"
 - **Skills Section:**
A heading "Skills" with a bottom border followed by a list:
 - "✔ Learn Guitar"
 - "★ Master Web Development"
 - **Footer:**
At the bottom, a simple credit line such as "Designed by Pravalika Chethi".
 - **Responsive Behavior:**
On smaller screens (e.g., mobile devices), padding and margins reduce to ensure the content remains readable and well-spaced.
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5. Visual Representation

index.htmlstyles.cssscript.js43dzzuhd4NEWHTMLRUN

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>My Personal Bucket List</title>
7   <link href="https://fonts.googleapis.com/css?family=Roboto" rel="stylesheet">
8   <link rel="stylesheet" href="styles.css">
9 </head>
10 <body>
11   <header>
12     <h1>My Personal Bucket List</h1>
13     <p>A collection of my dreams and goals</p>
14   </header>
15   <main>
16     <section>
17       <h2>Travel</h2>
18       <ul>
19         <li><span class="icon">✔</span> Visit Paris</li>
20         <li><span class="icon">★</span> Explore Japan</li>
21       </ul>
22     </section>
23     <section>
24       <h2>Skills</h2>
25       <ul>
26         <li><span class="icon">✔</span> Learn Guitar</li>
27         <li><span class="icon">★</span> Master Web Development</li>
28       </ul>
29     </section>
30     <!-- Add more sections as needed -->
31   </main>
32   <footer>
33     <p>Designed by Pravalika Chethi</p>
34   </footer>
35 </body>
36 </html>
37
```

My Personal Bucket List

A collection of my dreams and goals

Travel

- ✔ Visit Paris
- ★ Explore Japan

Skills

- ✔ Learn Guitar
- ★ Master Web Development

Designed by Pravalika Chethi