



VISHWAKARMA
UNIVERSITY
Maximising Human Potential

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Problem Statement

Coming up with creative project names can be challenging and time-consuming. This project solves that by creating a dynamic web-based Project Name Generator that uses an API to suggest unique names, with support for custom inputs and a fallback system for offline use.

First input :-

Project Name Generator

Click the button to generate a name

Generate

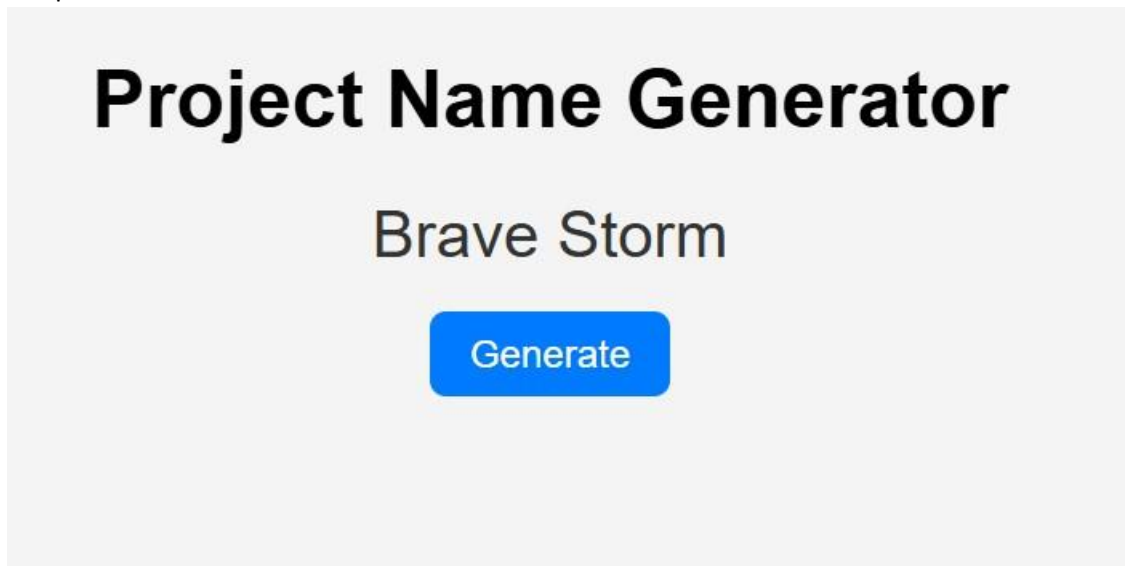
2nd input:-

Project Name Generator

Electric Storm

Generate

3rd input:-



CODE USED :-

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
  <title>Project Name Generator</title>
  <style>
body {
  font-family: Arial, sans-serif;
background: #f4f4f4;    text-align:
center;
  padding-top: 80px;
}
h1 {
  font-size: 2.5rem;
}
  #name {    font-
size: 2rem;
margin: 20px;
```

```

    color: #333;
  }
  button {
    padding: 10px 20px;
    font-size: 1.2rem;
    background: #007bff;
    color: white;
    border: none;
    border-radius: 8px;
    cursor: pointer;
    margin-top: 10px;
  }
  button:hover {
    background: #0056b3;
  }
</style>
</head>
<body>

<h1>Project Name Generator</h1>
<div id="name">Click the button to generate a name</div>
<button onclick="generateName()">Generate</button>

<script>
  const API_URL = "https://api.example.com/project-name"; // Replace with your actual endpoint
  const API_KEY = "sk-proj-
0D0BRD5uV3QkL7J0U3mtRhFK0v1gmoyH4sGXfApbWNXElq6yGBbVZ_IGEt3xBURviLDMQyKGuNT3BlbkFJai
KFvsXlKLZlIwlrzR8ogqPGrlDb_c2Xze5YuBXzJ_vX9VfOF3LwCSEAySvuudxPTvXm9HE4EA"; // Replace with your
actual API key

  const adjectives = ["Epic", "Silent", "Smart", "Brave", "Quantum", "Electric", "Mystic", "Dynamic",
"Rapid", "Infinite"];
  const nouns = ["Falcon", "Nova", "Core", "Storm", "Matrix", "Pulse",
"Vortex", "Spark", "Vision", "Beacon"];

  async function generateName() {
    const nameDiv = document.getElementById("name");
    nameDiv.innerText = "Generating...";
    try
    {
      const response = await fetch(API_URL, {
        method: "GET",
        headers: {
          "Authorization": `Bearer ${API_KEY}`,
          "Content-Type": "application/json"
        }
      });
      if (!response.ok) throw new Error("API Error");
    }
  }
</script>

```

```
const data = await response.json();
nameDiv.innerText = data.name || "No name returned from API";
} catch (error) {
  console.error("API error:", error);
// Fallback to local generator
  const adj = adjectives[Math.floor(Math.random() * adjectives.length)];
const noun = nouns[Math.floor(Math.random() * nouns.length)];
nameDiv.innerText = `${adj} ${noun}`;
}
}
</script>

</body>
</html>
```

PROMPTS USED:-

- 1} give me a code to make a project name generater integrating api features.
- 2} make it dynamic where it can generate based on the custom additional details
- 3} optimize for server