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COMPLETED THE PHASE II
“PORTFOLIO WEBSITE”

SUBMITTED BY,

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Solution Design & Architecture

Tech Stack Selection

portfolio website focused on Tech Stack Selection — that means the site should mainly highlight the technologies you use (Frontend, Backend, Database, Tools, etc.) along with your projects.

👉 For example:

- Frontend: HTML, CSS, React
- Backend: Node.js, Express
- Database: MongoDB, MySQL
- Tools: Git, Docker, VS Code

In the portfolio, we'll:

1. Show your Tech Stack clearly in a dedicated section.
2. Under each project, also display the stack used.
3. Use either simple lists/tags or advanced cards with icons (React, Node.js, DB logos, etc.).

UI Structure / API Schema Design

📋 **Header:** Your name + tagline (UI/UX & API Designer).

📋 **Sections:**

1. **About Me** – 2–3 lines.
2. **UI Structure** – simple list/tree of UI components.
3. **API Schema Design** – small example request/response.

4. **Contact** – email or LinkedIn link.

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <title>Portfolio - UI & API Design</title>

  <style>

    body {

      font-family: Arial, sans-serif;

      margin: 0; padding: 0;

      background: #f5f5f5;

      color: #333;

    }

    header {

      background: #2d89ef;

      color: white;

      padding: 20px;

      text-align: center;

    }

    section {

      padding: 20px;

      margin: 15px;
```

```
background: white;
border-radius: 8px;
box-shadow: 0 2px 5px rgba(0,0,0,0.1);
}
h2 { color: #2d89ef; }
pre {
background: #eee;
padding: 10px;
border-radius: 5px;
overflow-x: auto;
}
footer {
text-align: center;
padding: 10px;
background: #2d89ef;
color: white;
}
</style>
</head>
<body>

<header>
```

```
<h1>My Portfolio</h1>
<p>UI Structure & API Schema Design</p>
</header>
```

```
<section>
  <h2>About Me</h2>
  <p>Hello! I design clean user interfaces and well-
structured APIs for modern applications.</p>
</section>
```

```
<section>
  <h2>UI Structure Example</h2>
  <pre>
App
├── Header
├── Dashboard
│   ├── Sidebar
│   └── MainContent
└── Footer
  </pre>
</section>
```

<section>

<h2>API Schema Example</h2>

<p>Endpoint: <code>GET
/api/users</code></p>

<pre>

Request:

GET /api/users

Response:

```
{  
  "id": 1,  
  "name": "John Doe",  
  "email": "john@example.com"  
}
```

</pre>

</section>

<section>

<h2>Contact</h2>

<p>Email: youremail@
example.com</p>

```
<p>LinkedIn: <a  
href="#">linkedin.com/in/yourprofile</a></p>  
</section>
```

```
<footer>  
  
<p>© 2025 My Portfolio</p>  
</footer>
```

```
</body>  
</html>
```

Data Handling Approach

Sections in the Portfolio

1. Header / Title
 - Your name + tagline (*Data Handling & Backend Design*).
2. About Me
 - Short intro about your expertise in managing and processing data.
3. Data Handling Approach (main part 🏆)
 - Step-by-step process (Collect → Validate → Store → Process → Visualize).
 - Example of raw vs cleaned data.
 - Mention tools you use (e.g., Python, Pandas, SQL, MongoDB, PowerBI, Excel).
4. Projects

- Each project should mention:
 - Problem (what kind of data).
 - How you handled it (approach).
 - Outcome (report, dashboard, API, etc.).

5. Contact

- Email / LinkedIn / GitHub link.

Component / Module Diagram

1. Introduce the section

- Add a heading like “*Component / Module Design*”.
- Short description: “*I design applications by dividing them into reusable modules/components for better maintainability.*”

2. Show Diagram

- You can either:
 - Use a **simple ASCII/tree structure** (lightweight).
 - Or embed an **SVG / image diagram**.

3. Explain briefly

- Add 2–3 lines about how these modules interact.

<section>

<h2>Component / Module Diagram</h2>

<p>This diagram shows how I organize application modules for scalability and clarity.</p>

<pre>

App

└— User Module


```
|  └─ Login Component
|  └─ Profile Component
|  └─ Product Module
|  └─ Catalog Component
|  └─ Cart Component
└─ Shared Module
    └─ Navbar Component
```

</pre>

</section>

Example (Diagram Image in Portfolio)

If you already have a **diagram (PNG/SVG)**, just embed it:

<section>

<h2>Component / Module Diagram</h2>

<p>Each module is independent but connected through a shared data flow and API layer.</p>

</section>

Basic Flow Diagram

How to Add a Flow Diagram in Portfolio

You can show it in two simple ways:

1. **Text / ASCII Flow** (lightweight, no images needed)

<section>

<h2>Basic Flow Diagram</h2>

<p>This diagram shows the basic flow of my application design.</p>

<pre>

User → UI Form → API Request → Database → API Response → Dashboard

</pre>

</section>

Image / SVG Flow (more visual)

If you make a diagram in draw.io, Figma, or any tool, export it as **PNG/SVG** and embed:

<section>

<h2>Basic Flow Diagram</h2>

<p>The system flow begins with user input, processes data through APIs, stores it in the database, and visualizes the results.</p>

</section>

Example Portfolio Structure with Flow Diagram

1. **Header** – Name + tagline
2. **About Me** – Short intro
3. **Data Handling Approach** – steps
4. **Basic Flow Diagram** – (ASCII or Image)
5. **Projects** – Example projects + flows
6. **Contact**

