WEEK_2

PROJECT DOCUMENTATION – PERSONAL PORTFOLIO WEBSITE

✅ 1. Project Overview and Objectives

📌 Project Overview

This project is a **Personal Portfolio Website** created using **HTML and CSS**.
The website displays personal details, skills, and a contact form in a clean and attractive layout.
CSS is used to add colors, layouts, fonts, hover effects, and responsive design.

🎯 Project Objectives

The objectives of this project are:

1. To learn and apply HTML and CSS concepts

2. To design an attractive and professional portfolio website

3. To implement responsive design for mobile screens

4. To use Flexbox/Grid for layout design

5. To add hover effects and custom fonts

6. To understand website structure and styling techniques

✅ 2. Setup and Installation Instructions

⚙️ Software Required

- VS Code (Code Editor)

- Google Chrome (Browser)

🛠️ Steps to Run the Project

1. Download the project folder

2. Make sure these files are present:

- o   index.html
- o   style.css
- o   images folder

3. Open index.html in any web browser

4. The portfolio website will open

✅ 3. Code Structure Explanation

📁 Project Folder Structure

Portfolio/

|

├── index.html   (HTML structure)

├── style.css   (CSS design and layout)

├── README.md   (Documentation)

├── images/   (Profile image)

└── screenshots/   (Project screenshots)

✳️ Explanation of Files

📄 index.html

- Contains structure of the website

- Sections: About, Skills, Contact

- Navigation menu and footer

🎨 style.css

- Contains all CSS styling

- Colors, fonts, layout, hover effects

- Responsive design using media queries

✅ 4. CSS Concepts Used (IMPORTANT for Marks)

🎨 CSS Selectors

Used to select HTML elements:

- Element Selector → section { }

- ID Selector → #about { }

- Class Selector → .container { }

- Pseudo-class Selector → button:hover { }

📦 Box Model

CSS box model includes:

- Content

- Padding

- Border

- Margin

Used to control spacing and layout.

📐 Flexbox Layout

Flexbox is used to align and arrange elements easily.
Example: Navigation menu and skills layout are designed using Flexbox.

🎨 Color Scheme and Fonts

- Google Font **Poppins** is used for better typography

- Gradient background and custom color variables are used for modern design

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✨ Hover Effects and Transitions

Hover effects are added to:

- Navigation links

- Buttons

- Profile image
  These effects make the website interactive.

✅ 5. Responsive Design Approach

🧩 Media Queries

Media queries are used to make the website responsive for mobile screens.
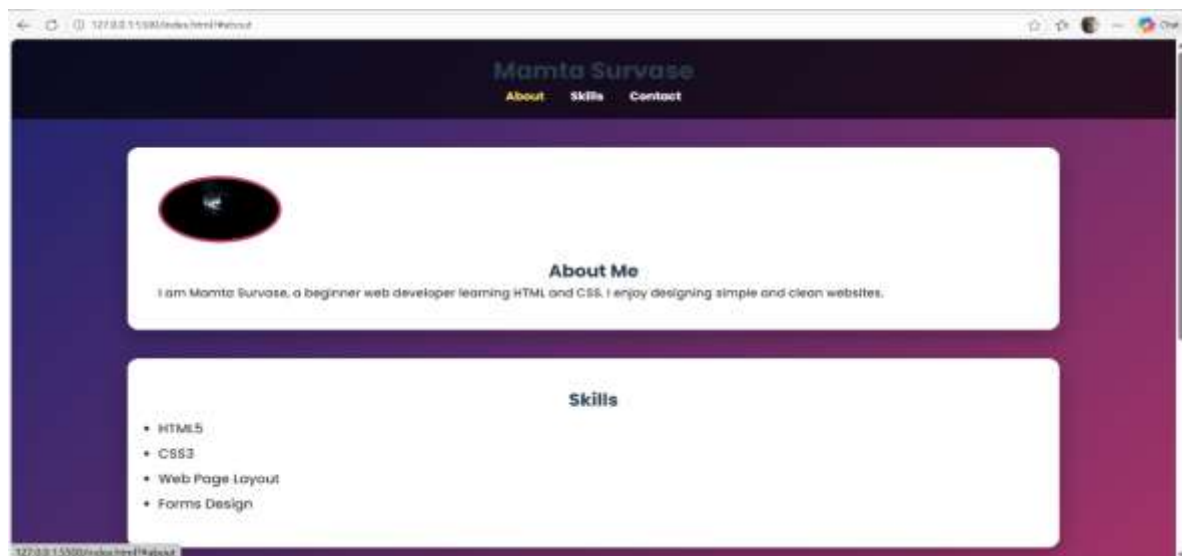
Example:

```
@media (max-width: 768px) {

 section {

  width: 95%;

 }

 nav {

  flex-direction: column;

 }

}
```

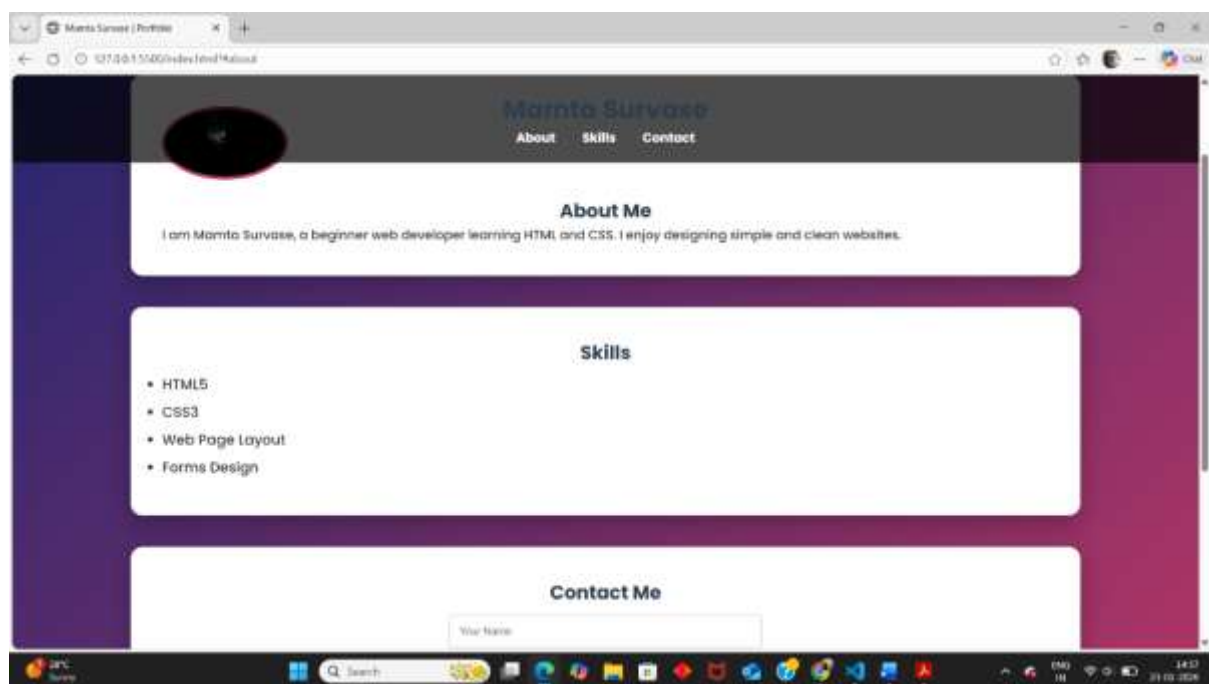---

🖥️ Responsive Features

- Layout adjusts on mobile and tablet

- Navigation becomes vertical on small screens

- Sections resize automatically
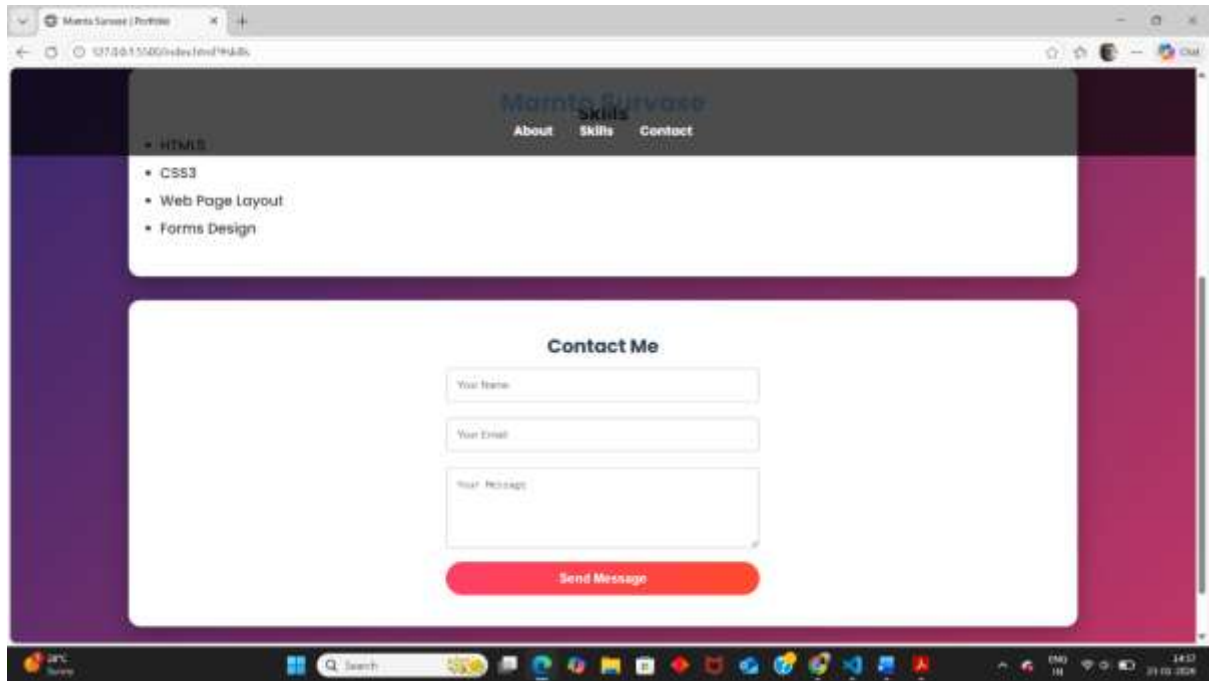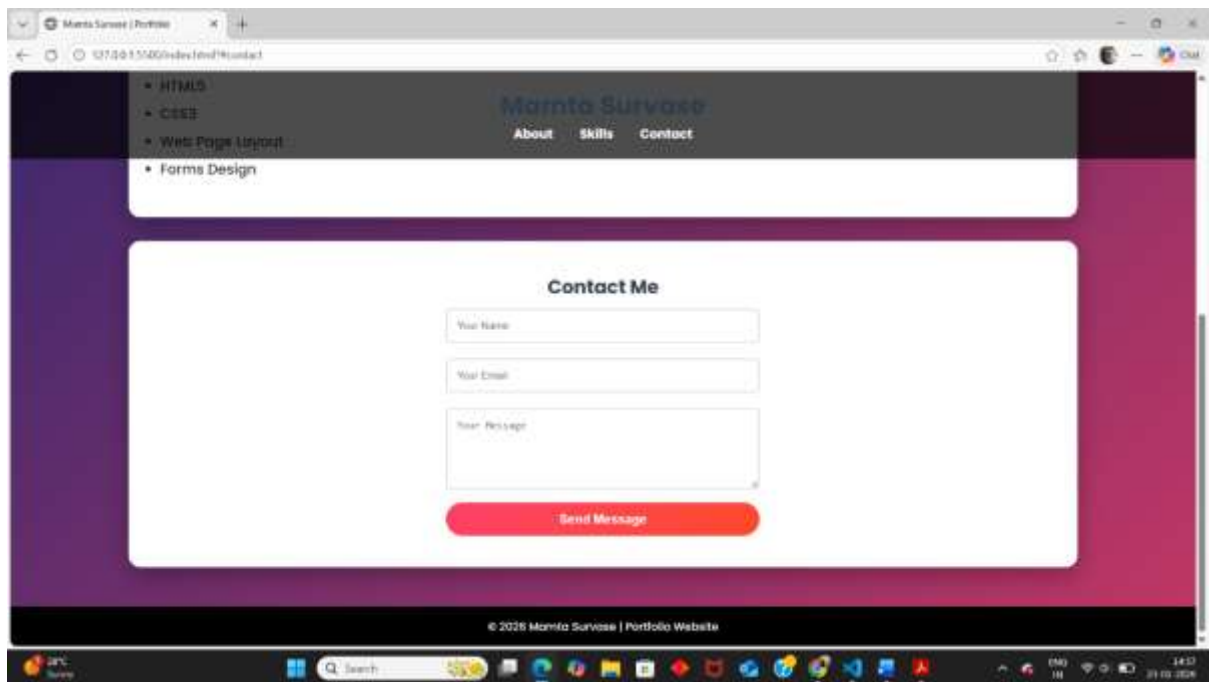

✅ 6. Screenshots of Working Application

1. HomePage

2.AboutPage

3.SkillsPage

4.ContactPage

✅ 7. Technical Requirements – How They Are Met

Requirement	How Implemented
External CSS file	Created style.css and linked in HTML
3 CSS selectors	Element, ID, Class, Pseudo-class used
Hover effects	Added on buttons and navigation links
Responsive design	Media queries used
Flexbox/Grid	Flexbox used for layout
Custom fonts & colors	Google Fonts and color scheme added

✅ 8. Conclusion

This project helped me understand HTML and CSS basics, responsive design, Flexbox layout, and website styling.
I learned how to design a professional and responsive portfolio website.