

# *DIGITAL PORTFOLIO*

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*PROJECT NAME*

***USER REGISTRATION FORM***

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# PROBLEM STATEMENT

- ▣ Many websites and applications require a way to register users before providing access to services.
- ▣ Without a user registration system, it becomes difficult to manage users, collect necessary information, and secure data. The problem is to design a simple, interactive, and user-friendly registration form that captures user information effectively.

# PROJECT OVERVIEW

- ▣ This project focuses on creating a User Registration Form using HTML, CSS, and JavaScript.
- ▣ HTML will be used for structuring the form (input fields, labels, buttons).
- ▣ CSS will be used for styling to make it responsive and visually appealing.
- ▣ JavaScript will handle form validation (e.g., checking if all required fields are filled, verifying email format, password strength, etc.).

# END USERS

- ❑ Website Visitors: Individuals signing up for an account.
- ❑ Web Application Owners:
  - ❑ Admins who require user data for authentication, personalization, and management.
  - ❑ Developers: As a learning project for beginners to practice front-end development.

# TOOLS AND TECHNOLOGIES

- ▣ HTML5 - For structuring the form.
- ▣ CSS3 - For styling and responsive design.
- ▣ JavaScript (Vanilla) - For client-side validation.
- ▣ Optional Tools: VS Code (IDE), Browser DevTools, GitHub for version control.

# PORTFOLIO DESIGN AND LAYOUT

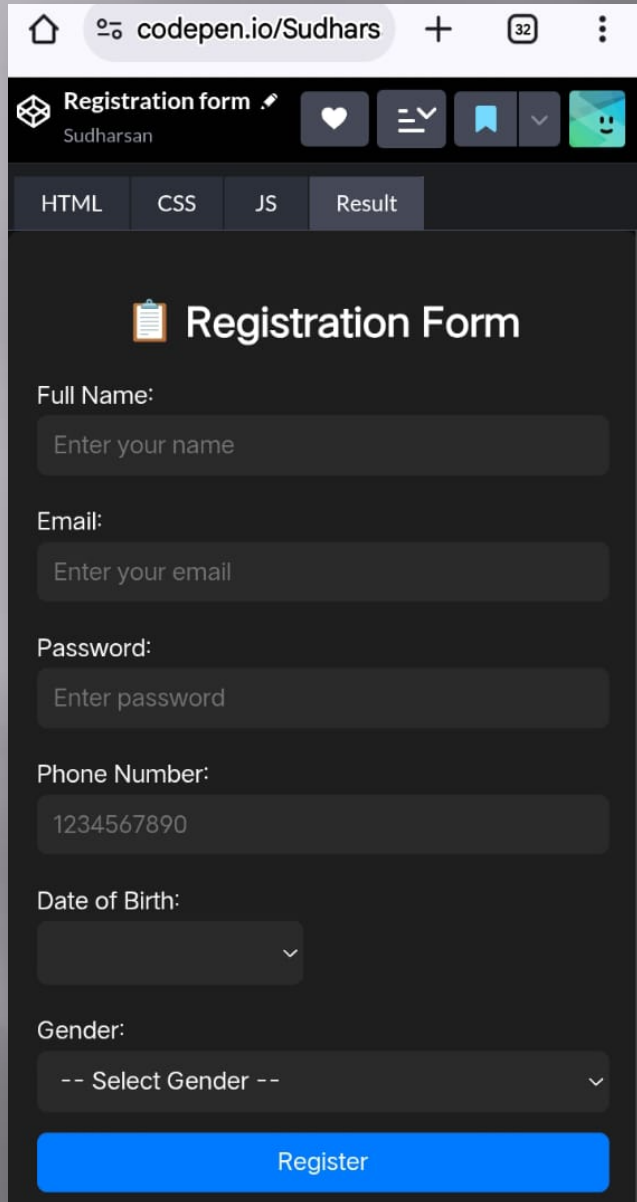
- ▣ Header: Project title "User Registration Form".
- ▣ Form Section:
- ▣ Input fields: Full Name, Email, Username, Password, Confirm Password, Gender, Date of Birth.
- ▣ Submit & Reset buttons.
- ▣ Validation Messages: Inline error/success messages.
- ▣ Styling:
- ▣ Centered form box with soft shadows.
- ▣ Responsive design for desktop and mobile.
- ▣ Consistent font and color scheme.



# FEATURES AND FUNCTIONALITY

- ▣ Form Fields: Collects essential user data.
- ▣ Validation:
  - ▣ Required field check.
  - ▣ Email format validation.
  - ▣ Password strength check.
  - ▣ Confirm password match.
- ▣ Responsive Layout: Works on mobile and desktop.
- ▣ User Experience: Clear error messages, styled form, smooth interactions.

# RESULTS AND SCREEN SHOT



The screenshot shows a web browser window with the address bar displaying 'codepen.io/Sudhars'. The page title is 'Registration form' by 'Sudharsan'. The browser's developer tools are open, showing the 'Result' tab. The registration form is styled with a dark background and white text. It includes input fields for 'Full Name', 'Email', 'Password', 'Phone Number', 'Date of Birth', and 'Gender', each with a placeholder text. A blue 'Register' button is at the bottom.

codepen.io/Sudhars

Registration form  
Sudharsan

HTML CSS JS Result

## Registration Form

Full Name:  
Enter your name

Email:  
Enter your email

Password:  
Enter password

Phone Number:  
1234567890

Date of Birth:  
▼

Gender:  
-- Select Gender -- ▼

Register

\*Successfully developed a working registration form that validates user inputs.

\*(Improved user experience through styling and feedback.

\*Demonstrated frontend development skills in HTML, CSS, and JavaScript

# *CONCLUSION*

- ▣ The project provided hands-on experience in building and validating a web form. It highlights the importance of form validation for user experience and security. This user registration form can serve as a foundation for integrating with a backend system to store user data and create complete authentication workflows.