

Lab-1 Report: Registration Form using HTML

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1 Introduction

The registration form is a commonly used component in web development, allowing users to submit information for various purposes such as account creation, surveys, or event registration. In this lab, we focus on implementing a simple registration form that takes basic user information, including first name, last name, and date of birth, and displays a success message upon form submission. This success message confirms that the form has been successfully registered.

2 Objective

The objective of this lab is to:

- Create a functional HTML registration form that accepts basic user input (first name, last name, and date of birth).
- Implement a success message that is displayed after the user submits the form.
- Ensure that the form is user-friendly and provides immediate feedback upon successful form submission.
- Create a registration form that can be adapted for different web applications.

3 Theory

3.1 HTML Forms

HTML forms allow users to send data to a web server for processing. Form elements such as `<input>`, `<select>`, and `<textarea>` collect data, and the `<form>` tag groups these inputs together.

3.2 JavaScript Events

JavaScript is used to handle user interactions. The submit event is triggered when the user submits the form. By attaching an event listener, we can prevent the form from being submitted to the server and display a success message instead.

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3.3 CSS for Styling

CSS (Cascading Style Sheets) is used to enhance the visual appeal of the form. It allows us to control the layout, colors, fonts, and spacing to make the form look professional and user-friendly.

3.4 Form Validation

Basic form validation is performed using the required attribute on form fields. This ensures that users cannot submit the form with empty fields.

3.5 DOM Manipulation

Once the form is submitted, the success message is revealed by manipulating the Document Object Model (DOM) using JavaScript. The `style.display` property is used to control the visibility of the message.

4 Conclusion

During this lab, we developed a registration form that captures user information, such as first name, last name, and date of birth. After the form is submitted, a success message confirms that the registration was completed successfully. This project highlights the use of HTML for form structure, CSS for styling, and JavaScript for handling form events. Through this exercise, we strengthened our understanding of web development fundamentals and learned how to create interactive, user-friendly forms. The final result is a responsive and visually appealing form that can be utilized in various web-based applications.

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