

HTML Server Controls

Core Elements

These controls are built directly into HTML. They are fundamental for creating interactive web forms. Examples include text boxes, buttons, dropdowns, radio buttons, and checkboxes.

Server-Side Processing

HTML server controls handle user input on the server-side, interacting with databases and backend logic. They are essential for data validation and processing.

Web Server Controls

1 Enhance User Experience

They simplify the process of creating interactive elements, offering features like data validation, automatic event handling, and customizable appearance.

3 Code Reusability

Web server controls promote code reusability, making it easier to create and maintain web applications.

2 Server-Side Integration

They provide a bridge between the client-side and server-side, facilitating data exchange and complex functionalities.



Basic Web Controls



Text Boxes

For collecting user input, such as names, addresses, or passwords.



Buttons

Used to trigger actions, such as submitting a form, navigating to another page, or performing calculations.



Radio Buttons

Allow users to select one option from a set of mutually exclusive choices.



Checkboxes

Enable users to select multiple options from a list of choices.



Dropdowns

Offer a list of options that users can select from.

Validation Controls

Data Integrity

Ensure the accuracy and consistency of user input, preventing errors and invalid data from being submitted.

Enhanced User Experience

Provide immediate feedback to users, guiding them to correct errors and improve their input.

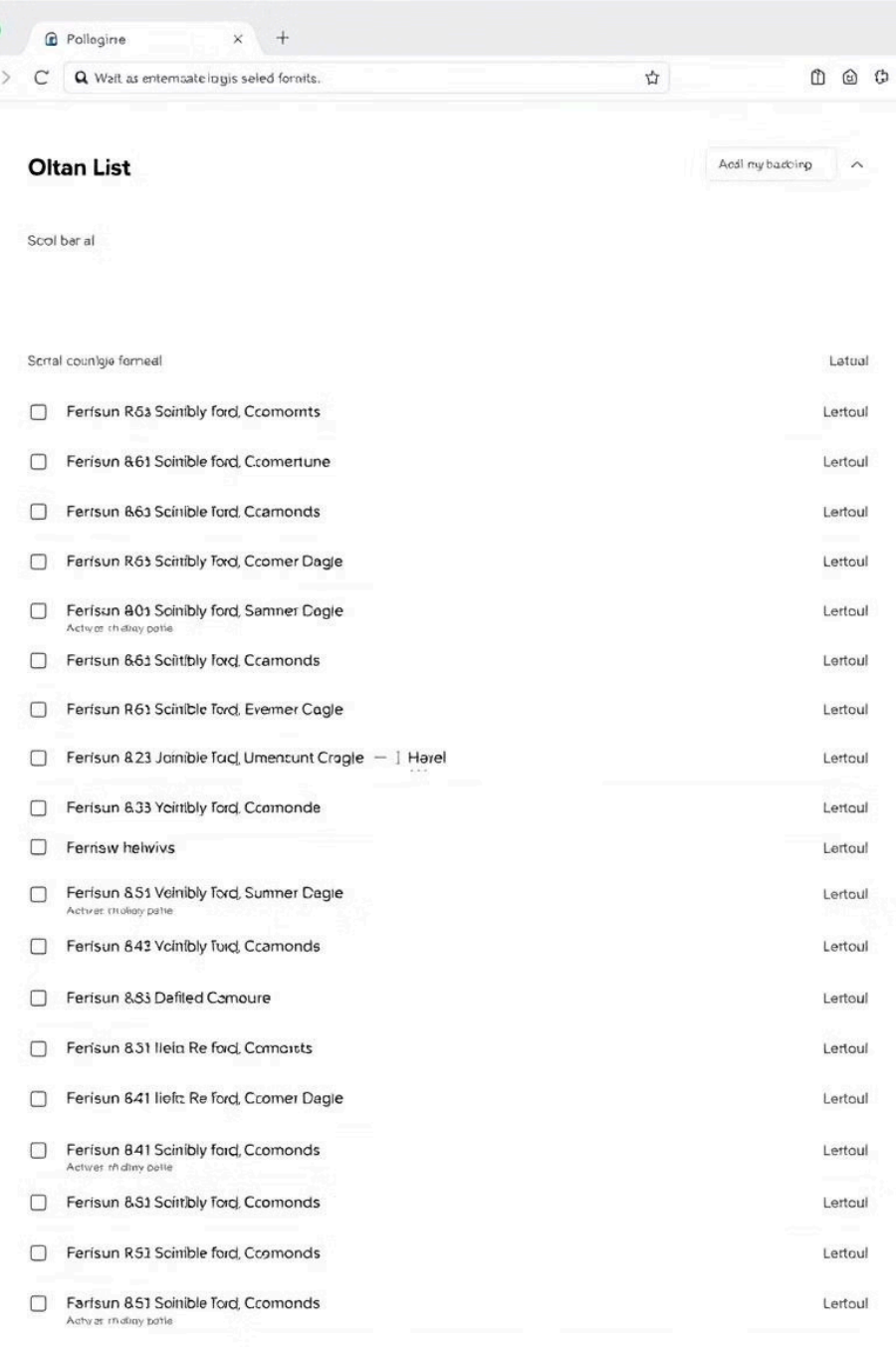
Types of Validation

Validation controls include required field validation, range validation, format validation, and custom validation.

Name

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Email



List Controls

1

Displaying Data

List controls are essential for presenting organized lists of data, such as products in an online store, news articles, or user profiles.

2

Navigation and Selection

They offer options for navigation, pagination, and selection of individual items within the list.

3

Types of List Controls

Common list controls include dropdowns, list boxes, data lists, and grid views.

Advanced Controls

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Rich Controls

1

Enhanced User Interaction

Rich controls provide a more interactive and engaging user experience, enabling users to interact with data in more sophisticated ways.

2

Visual Appeal

They often incorporate visual elements, such as sliders, date pickers, and progress bars, making web pages more visually appealing.

3

Examples

Sliders, date pickers, image uploader, color pickers, progress bars, and maps.

User Controls and Custom Controls

