# **HTML Table**

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## **Basic Table Structure**

An HTML table is created with a element. Inside the , you define table rows with (table row), and within each row, you define table cells with (table data). A table is essentially built row by row.

```
(tr>
    Row 1, Cell 1
    Row 1, Cell 2
  (tr>
    Row 2, Cell 1
    Row 2, Cell 2
```

## **Table Headers**

For clarity and accessibility, the first row of a table should usually contain headers that describe the data in each column. Use the (table header) element instead of for these header cells. Browsers typically render text as bold and centered.

```
Name
    Email
    Role
 (tr>
    John Doe
    john.doe@example.com
   Developer
 (tr>
   Jane Smith
    jane.smith@example.com
    Designer
```

# **Spanning Columns & Rows**

Sometimes a cell needs to span across multiple columns or rows.

- colspan="number": Makes a cell span across number of columns.
- rowspan="number": Makes a cell span across number of rows.

```
Name
   Contact Information
 John Doe
   Email: john@example.com
   Phone: 123-456-789
 Schedule
   Monday
   9 AM - 5 PM
 (tr>
   Tuesday
   10 AM - 4 PM
```

# **Semantic Table Grouping**

For long or complex tables, it's good practice to group rows into a head, body, and foot section for better structure and accessibility.

- <thead>: Groups the header content.
- : Groups the main body content.
- <tfoot>: Groups the footer content.

These elements don't change the table's appearance by default but are useful for styling and for screen readers.

```
<thead>
   Item
    Quantity
    Price
   </thead>
 (tr>
    Apples
    10
    $5.00
   Oranges
    5
    $3.00
   <tfoot>
   (tr>
    Total
    $8.00
   </tfoot>
```

# **Table Caption & Styling**

A <caption> element should be the first child of a and provides a title or description for the table. For styling, it's best practice to use CSS. A simple border attribute () is outdated but can be useful for quick testing.

Month	Sign-ups	
January	150	
February	220	

Monthly User Registrations

## **Practical**

```
<caption>
 Monthly User Registrations
</caption>
<thead>
 (tr>
  Month
  Sign-ups
 </thead>
January
  150
 February
  220
```

```
<style>
 table.styled-table {
   width: 100%;
    border-collapse: collapse:
  .styled-table th,
  .styled-table td {
    border: 1px solid ■#ccc;
   padding: 8px;
    text-align: left;
  .styled-table th {
   background-color: #f2f2f2;
  .styled-table caption {
   caption-side: bottom;
    padding-top: 10px;
    font-style: italic;
</style>
```