

HTML Parent Child Relation

Here's a breakdown of HTML elements with their parent-child relationships:

1. <html>

- **Parents:** <!DOCTYPE>
- **Children:** <head>, <body>

2. <head>

- **Parents:** <html>
- **Children:** <title>, <meta>, <link>, <style>, <script>, <base>

3. <title>

- **Parents:** <head>
- **Children:** Text (document title)

4. <meta>

- **Parents:** <head>
- **Children:** None (self-closing tag)

5. <link>

- **Parents:** <head>
- **Children:** None (self-closing tag)

6. <style>

- **Parents:** <head>, <body>
- **Children:** CSS rules

7. <script>

- **Parents:** <head>, <body>, <div>, <section>, etc.
- **Children:** JavaScript code

8. <body>

- **Parents:** <html>
- **Children:** Almost all other HTML elements

9. <header>

- **Parents:** <body>, <section>, <article>, etc.
- **Children:** Any content sectioning elements (<h1>, <nav>, etc.)

10. <nav>

- **Parents**: <body>, <header>, <section>, etc.
- **Children**: Links (<a>), lists (,), etc.

11. <main>

- **Parents**: <body>
- **Children**: Content sectioning elements (<article>, <section>, etc.)

12. <section>

- **Parents**: <body>, <main>, <article>, etc.
- **Children**: Content sectioning elements (<h1>, <p>, <div>, etc.)

13. <article>

- **Parents**: <body>, <main>, <section>, etc.
- **Children**: Content sectioning elements (<h1>, <p>, <div>, etc.)

14. <aside>

- **Parents**: <body>, <main>, <section>, etc.
- **Children**: Content sectioning elements (<h1>, <p>, <div>, etc.)

15. <footer>

- **Parents**: <body>, <main>, <section>, etc.
- **Children**: Any content sectioning elements (<p>, <nav>, etc.)

16. <h1>, <h2>, <h3>, <h4>, <h5>, <h6>

- **Parents**: Content sectioning elements (<body>, <section>, <article>, etc.)
- **Children**: Text, inline elements (<a>, , etc.)

17. <p>

- **Parents**: Content sectioning elements (<body>, <section>, <article>, etc.)
- **Children**: Inline elements (<a>, , , etc.)

18. <hr>

- **Parents**: Content sectioning elements (<body>, <section>, <article>, etc.)
- **Children**: None (self-closing tag)

19.

- **Parents**: Inline elements (<p>, , etc.)
- **Children**: None (self-closing tag)

20. ,

- **Parents**: Content sectioning elements (`<body>`, `<section>`, `<article>`, etc.)

- **Children**: ``

21. ``

- **Parents**: ``, ``, `<menu>`

- **Children**: Block-level and inline elements

22. `<dl>`

- **Parents**: Content sectioning elements (`<body>`, `<section>`, `<article>`, etc.)

- **Children**: `<dt>`, `<dd>`

23. `<dt>`

- **Parents**: `<dl>`

- **Children**: Inline elements

24. `<dd>`

- **Parents**: `<dl>`

- **Children**: Block-level and inline elements

25. `<figure>`

- **Parents**: Content sectioning elements (`<body>`, `<section>`, `<article>`, etc.)

- **Children**: ``, `<figcaption>`, etc.

26. `<figcaption>`

- **Parents**: `<figure>`

- **Children**: Text, inline elements

27. `<div>`

- **Parents**: Content sectioning elements (`<body>`, `<section>`, `<article>`, etc.)

- **Children**: Block-level and inline elements

28. ``

- **Parents**: Inline elements (`<p>`, `<div>`, `<h1>`, etc.)

- **Children**: Inline elements

29. `<a>`

- **Parents**: Block-level and inline elements (`<p>`, ``, etc.)

- **Children**: Inline elements (or can be self-closing if using `href` attribute)

30. ``, ``, ``, `<i>`, `<u>`, `<s>`, `<small>`, `<mark>`, `<cite>`, `<q>`, `<abbr>`, `<code>`, `<pre>`, `<kbd>`, `<samp>`, `<var>`, `<sub>`, `<sup>`, `<time>`, ``, `<ins>`

- **Parents**: Inline and block-level elements
- **Children**: Text, inline elements

31. <form>

- **Parents**: Content sectioning elements (<body>, <section>, <article>, etc.)
- **Children**: Form elements (<input>, <textarea>, <button>, etc.)

32. <input>

- **Parents**: <form>, <fieldset>, <div>
- **Children**: None (self-closing tag)

33. <textarea>

- **Parents**: <form>, <fieldset>, <div>
- **Children**: Text

34. <button>

- **Parents**: <form>, <div>, etc.
- **Children**: Inline elements (text, , etc.)

35. <label>

- **Parents**: <form>, <fieldset>, <div>
- **Children**: Inline elements

36. <fieldset>

- **Parents**: <form>
- **Children**: Form elements (<input>, <textarea>, <legend>, etc.)

37. <legend>

- **Parents**: <fieldset>
- **Children**: Inline elements

38. <select>

- **Parents**: <form>, <fieldset>, <div>
- **Children**: <option>, <optgroup>

39. <option>

- **Parents**: <select>, <optgroup>
- **Children**: Text

40. <optgroup>

- **Parents**: <select>

- **Children**: `<option>`

41. `<datalist>`

- **Parents**: `<form>`, `<div>`, etc.
- **Children**: `<option>`

42. `<output>`

- **Parents**: `<form>`, `<div>`, etc.
- **Children**: Text, inline elements

43. ``

- **Parents**: Inline elements (`<p>`, ``, etc.), block-level elements
- **Children**: None (self-closing tag)

44. `<audio>`

- **Parents**: Block-level elements (`<div>`, `<figure>`, etc.)
- **Children**: `<source>`, `<track>`, fallback content (e.g., `<p>`)

45. `<video>`

- **Parents**: Block-level elements (`<div>`, `<figure>`, etc.)
- **Children**: `<source>`, `<track>`, fallback content (e.g., `<p>`)

46. `<source>`

- **Parents**: `<audio>`, `<video>`, `<picture>`
- **Children**: None (self-closing tag)

47. `<track>`

- **Parents**: `<video>`, `<audio>`
- **Children**: None (self-closing tag)

48. `<map>`

- **Parents**: Block-level elements
- **Children**: `<area>`, block-level and inline elements

49. `<area>`

- **Parents**: `<map>`
- **Children**: None (self-closing tag)

50. `<canvas>`

- **Parents**: Block-level elements
- **Children**: None (JavaScript can draw on it)

51. <svg>

- **Parents**: Block-level elements
- **Children**: SVG elements (e.g., `<circle>`, `<rect>`, `<path>`, etc.)

52. <table>

- **Parents**: Block-level elements
- **Children**: `<caption>`, `<colgroup>`, `<thead>`, `<tbody>`, `<tfoot>`, `<tr>`

53. <caption>

- **Parents**: `<table>`
- **Children**: Inline elements

54. <tr>

- **Parents**: `<table>`, `<thead>`, `<tbody>`, `<tfoot>`
- **Children**: `<th>`, `<td>`

55. <th>

- **Parents**: `<tr>`
- **Children**: Inline elements

56. <td>

- **Parents**: `<tr>`
- **Children**: Block-level and inline elements

57. <thead>

- **Parents**: `<table>`
- **Children**: `<tr>`

58. <tbody>

- **Parents**: `<table>`
- **Children**: `<tr>`

59. <tfoot>

- **Parents**: `<table>`
- **Children**: `<tr>`

60. <col>

- **Parents**: `<colgroup>`
- **Children**: None (self-closing tag)

61. <colgroup>

- **Parents**: `<table>`
- **Children**: `<col>`

62. `<details>`

- **Parents**: Block-level elements
- **Children**: `<summary>`, block-level and inline elements

63. `<summary>`

- **Parents**: `<details>`
- **Children**: Inline elements

64. `<dialog>`

- **Parents**: Block-level elements
- **Children**: Block-level and inline elements

65. `<noscript>`

- **Parents**: Block-level elements
- **Children**: Fallback content (block-level and inline elements)

66. `<embed>`

- **Parents**: Block-level elements
- **Children**: None (self-closing tag)

67. `<object>`

- **Parents**: Block-level elements
- **Children**: `<param>`, fallback content

68. `<param>`

- **Parents**: `<object>`
- **Children**: None (self-closing tag)

69. `<iframe>`

- **Parents**: Block-level elements
- **Children**: None (it embeds another HTML document)

70. `<template>`

- **Parents**: Block-level elements
- **Children**: Any content (not rendered until called)

71. `<slot>`

- **Parents**: `<template>` (used in Web Components)

- **Children**: Default content (fallback content)

This hierarchy covers most common HTML elements and their typical parent-child relationships.