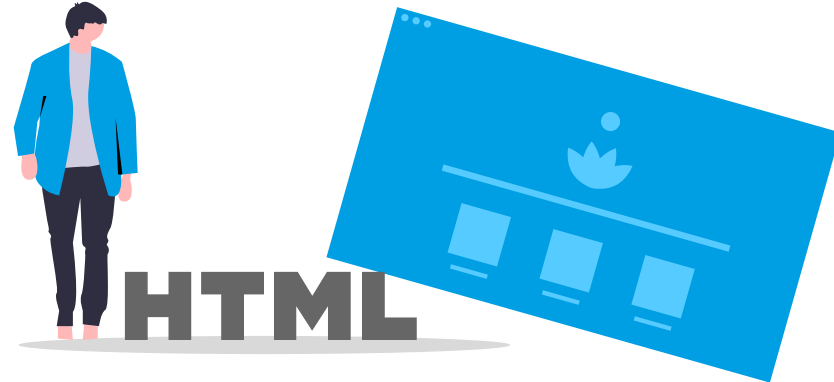# INTRODUCTION TO HTML

- 3 languages for the web
- The HTML document
- Tree structure
- Elements, tags, and attributes

HTML

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3 LANGUAGES FOR THE WEB

HTML

Define the structure

CSS

Make it look nice

JavaScript

Make switches work

THE HTML DOCUMENT

```
<!DOCTYPE html>
<html>

    <head>
        <meta charset="utf-8">
        <title>Haster Bier Online-Shop</title>
    </head>
```

The head contains meta information
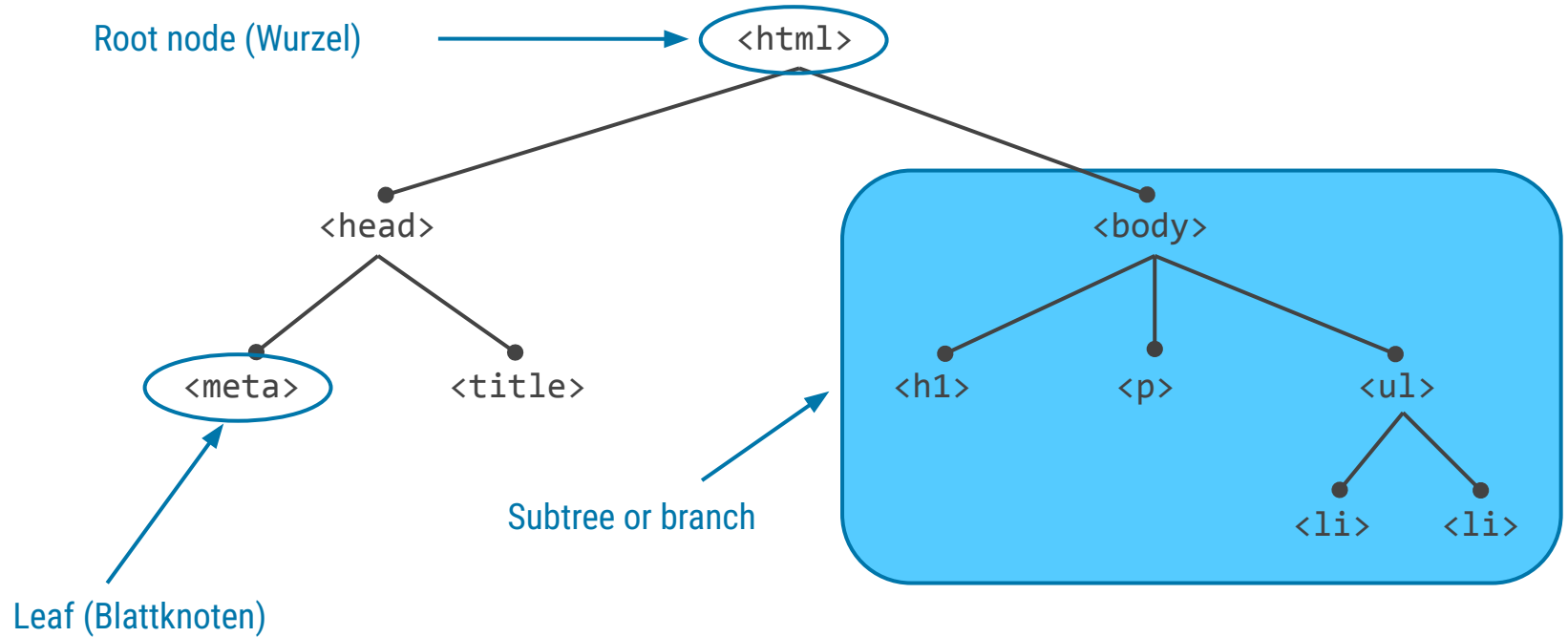
```
    <body>
        <h1>Willkommen in unserem Online-Shop</h1>
        <p>Bestellen Sie unsere Haster Biere bequem online:</p>
        <ul>
            <li>Haster Helles</li>
            <li>Haster Dunkles</li>
        </ul>
    </body>
```

The body contains the visible elements of a website

```
</html>
```

TREE STRUCTURE

Root node (Wurzel) → `<html>`

`<head>`

`<meta>`   `<title>`

Leaf (Blattknoten)

`<body>`

`<h1>`   `<p>`   `<ul>`

`<li>`   `<li>`

Subtree or branch

THE TREE IS CALLED **DOCUMENT OBJECT MODEL** OR **DOM TREE**

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ELEMENTS, TAGS, AND ATTRIBUTES

```
<h1>Willkommen in unserem Online-Shop</h1>
```

This is an element

```
<!DOCTYPE html>
<html>

<head>
    <meta charset="utf-8">
    <title>Haster Bier Online-Shop</title>
</head>

<body>
    <h1>Willkommen in unserem Online-Shop</h1>
    <p>Bestellen Sie unsere Haster Biere bequem online:</p>
    <ul>
        <li>Haster Helles</li>
        <li>Haster Dunkles</li>
    </ul>
</body>

</html>
```

This is an attribute

This is a closing tag

This is an opening tag

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READ MORE

- Structuring the Web with HTML - MDN Documentation