

Exploring the DOM Data Types



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Module Outline



Know the Document interface

Understand the Node interface

- Walk through the DOM tree

Work with HTML elements

- How TypeScript maps elements



Demo



Know the Document interface

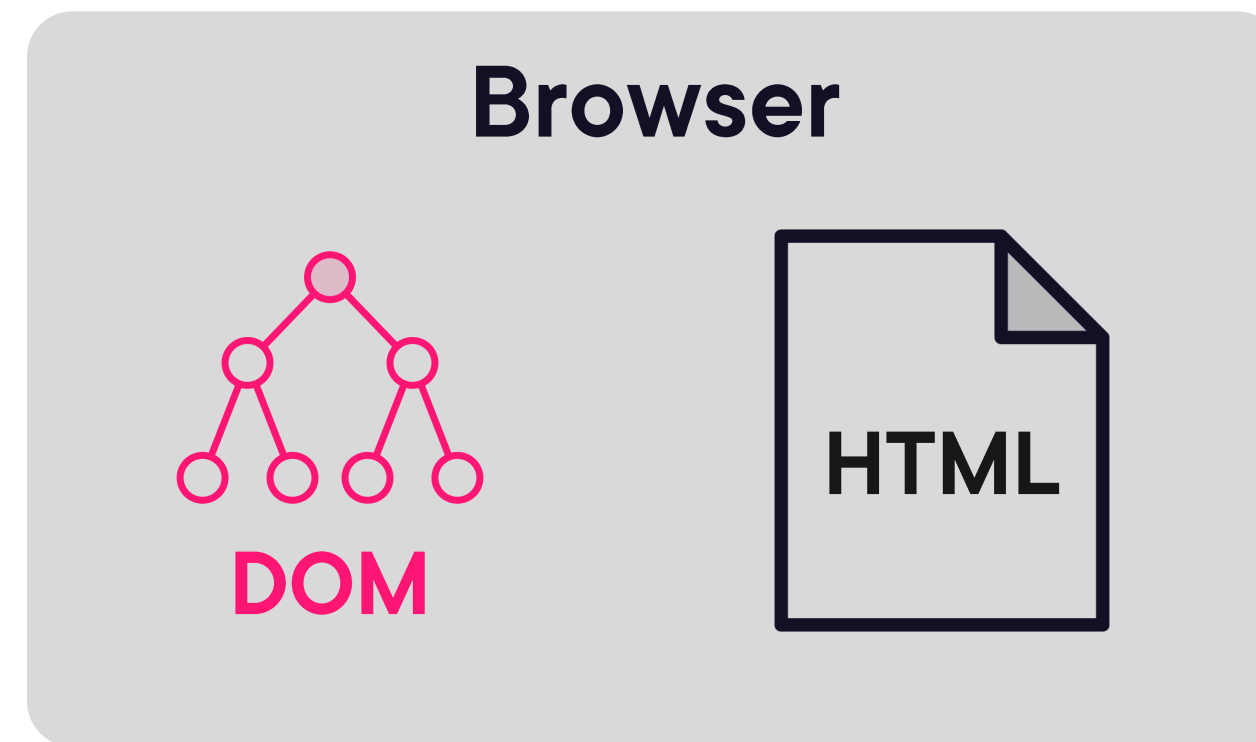




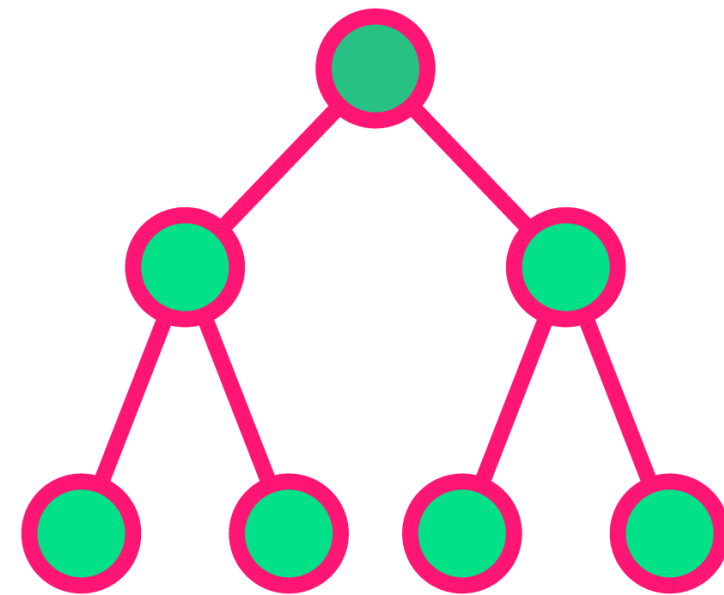
Understand the Node Interface



Understand the Node Interface



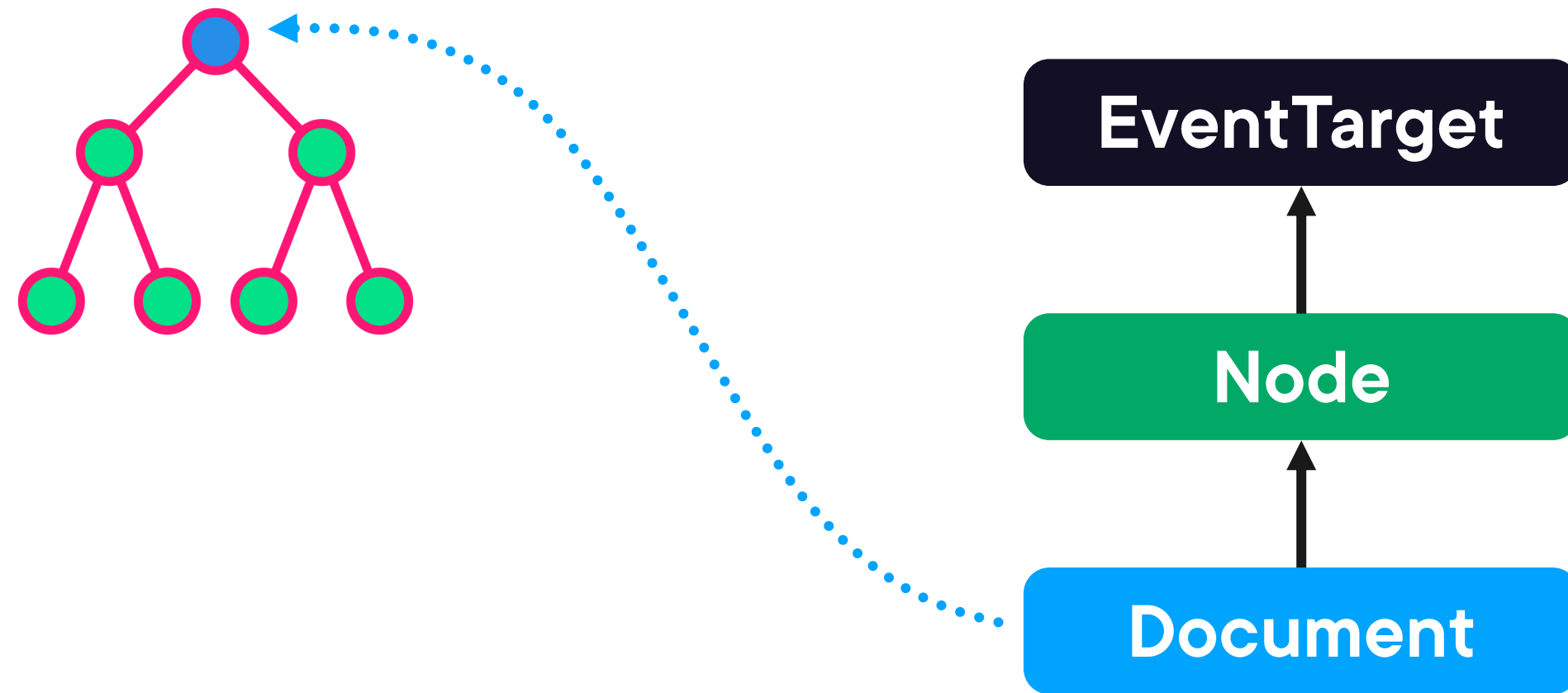
Understand the Node Interface



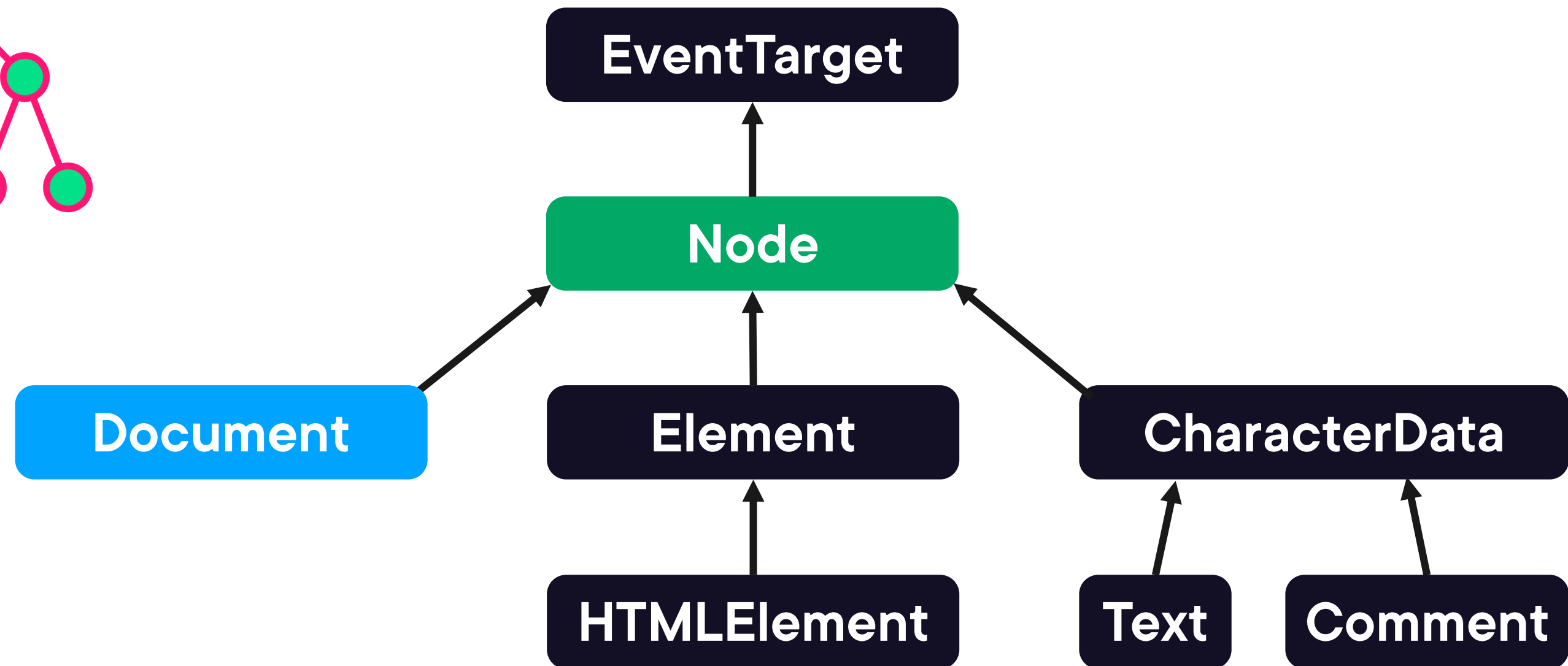
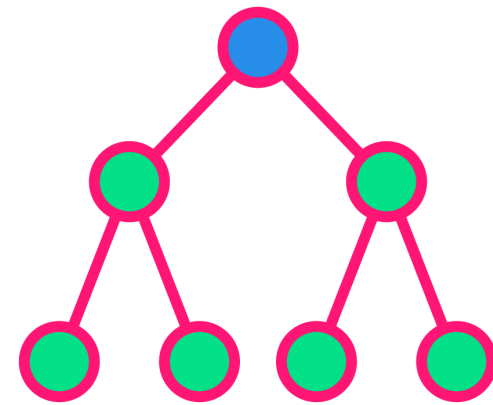
Node



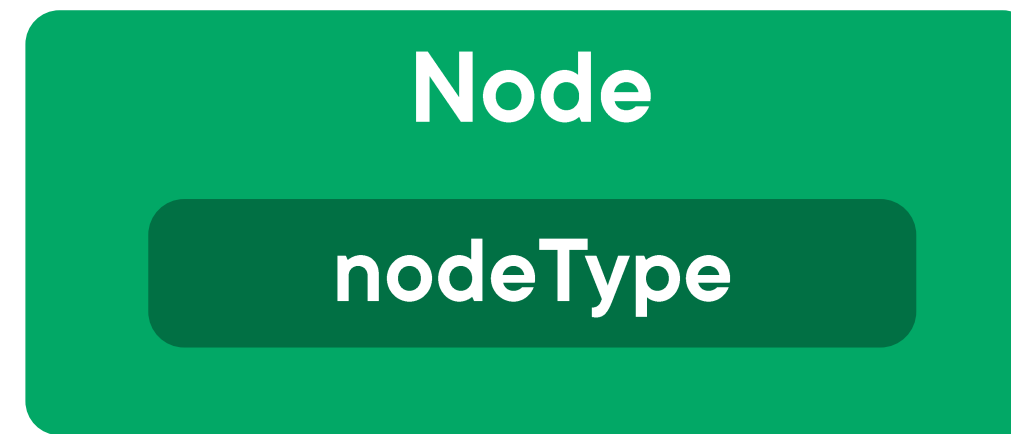
Understand the Node Interface



Understand the Node Interface



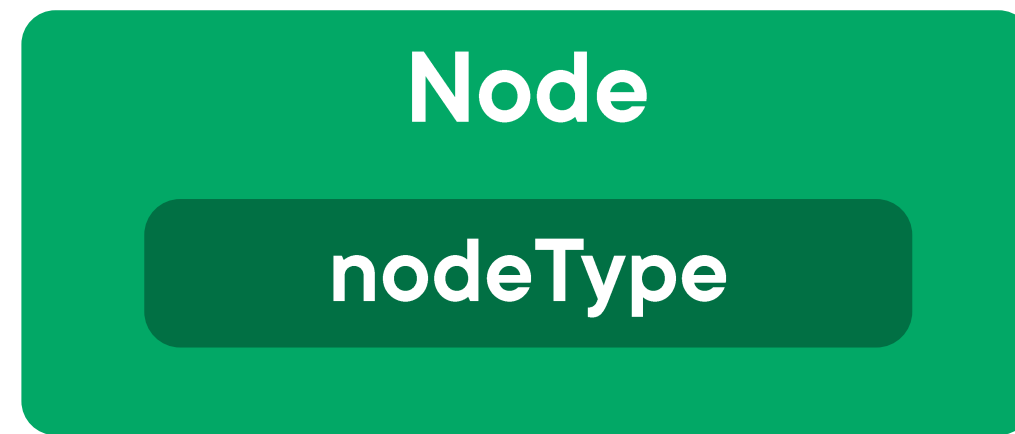
Understand the Node Interface



```
if (node.nodeType === 9)
{
    // Document node
}
```



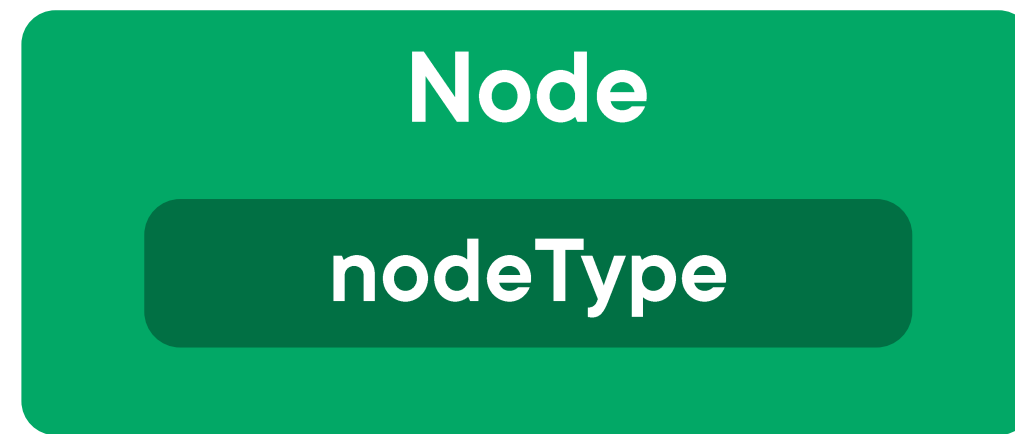
Understand the Node Interface



```
if (node.nodeType === 1)
{
    // Element node
}
```



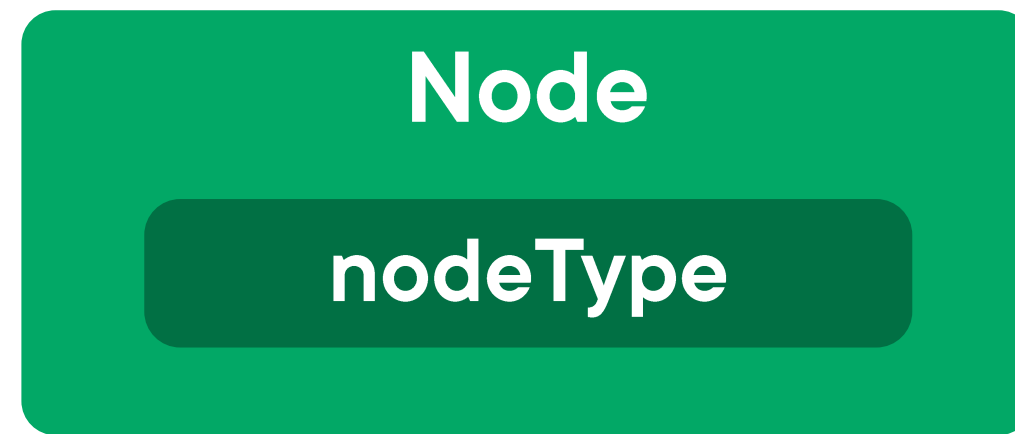
Understand the Node Interface



```
if (node.nodeType === Node.ELEMENT_NODE)
{
    // Element node
}
```



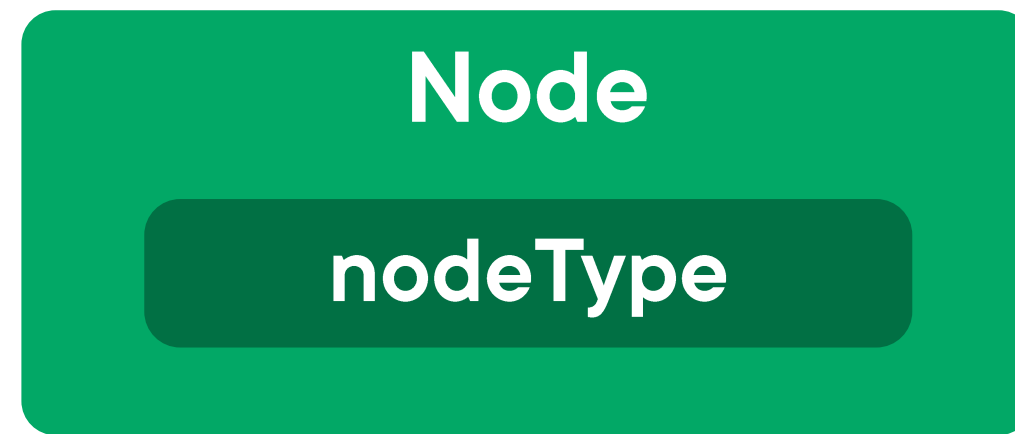
Understand the Node Interface



```
if (node.nodeType === Node.DOCUMENT_NODE)
{
    // Document node
}
```



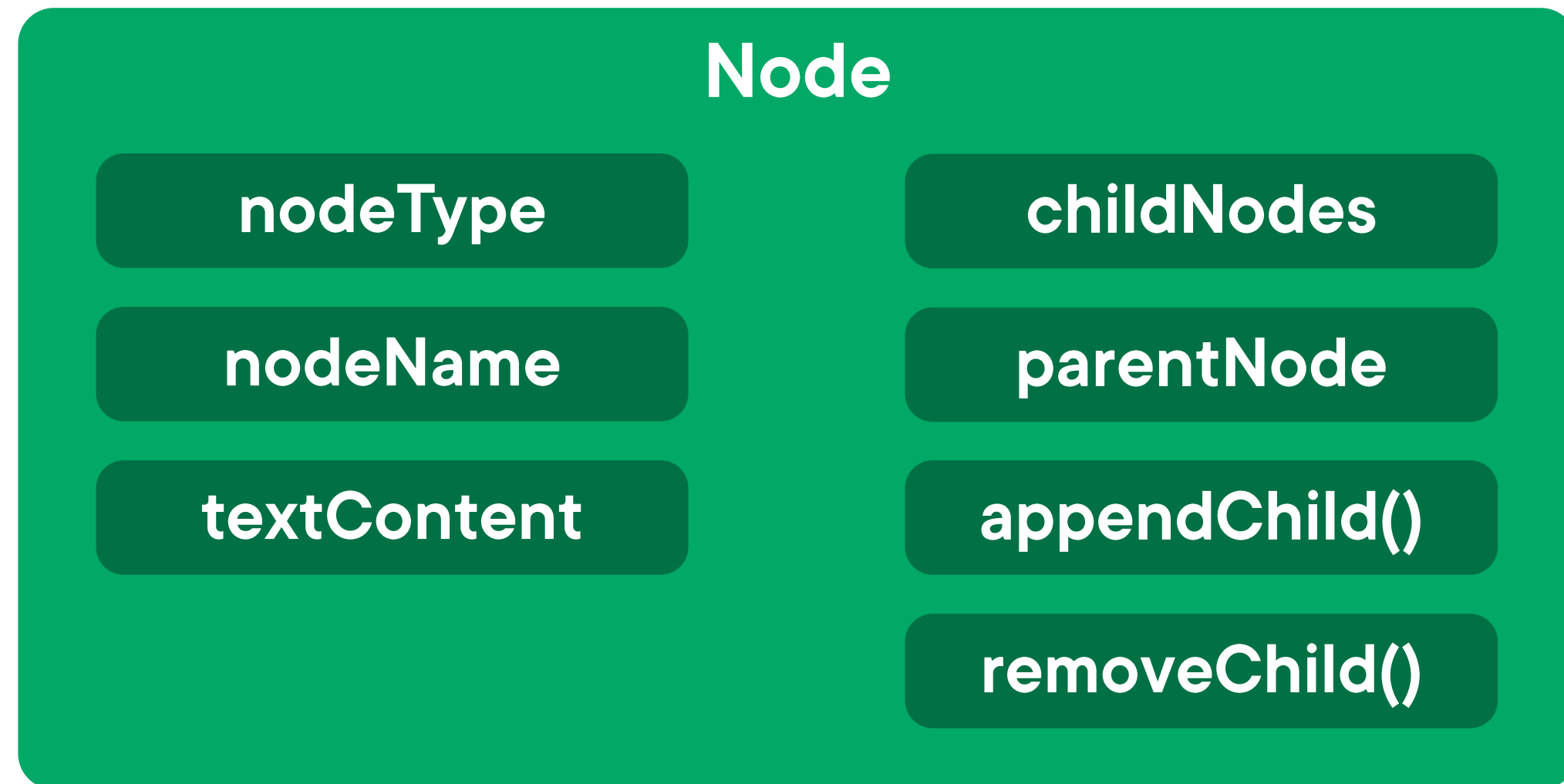
Understand the Node Interface



```
if (node.nodeType === Node.COMMENT_NODE)
{
    // Comment node
}
```



Understand the Node Interface



Demo



Walk the DOM tree



Demo



Use the TreeWalker interface

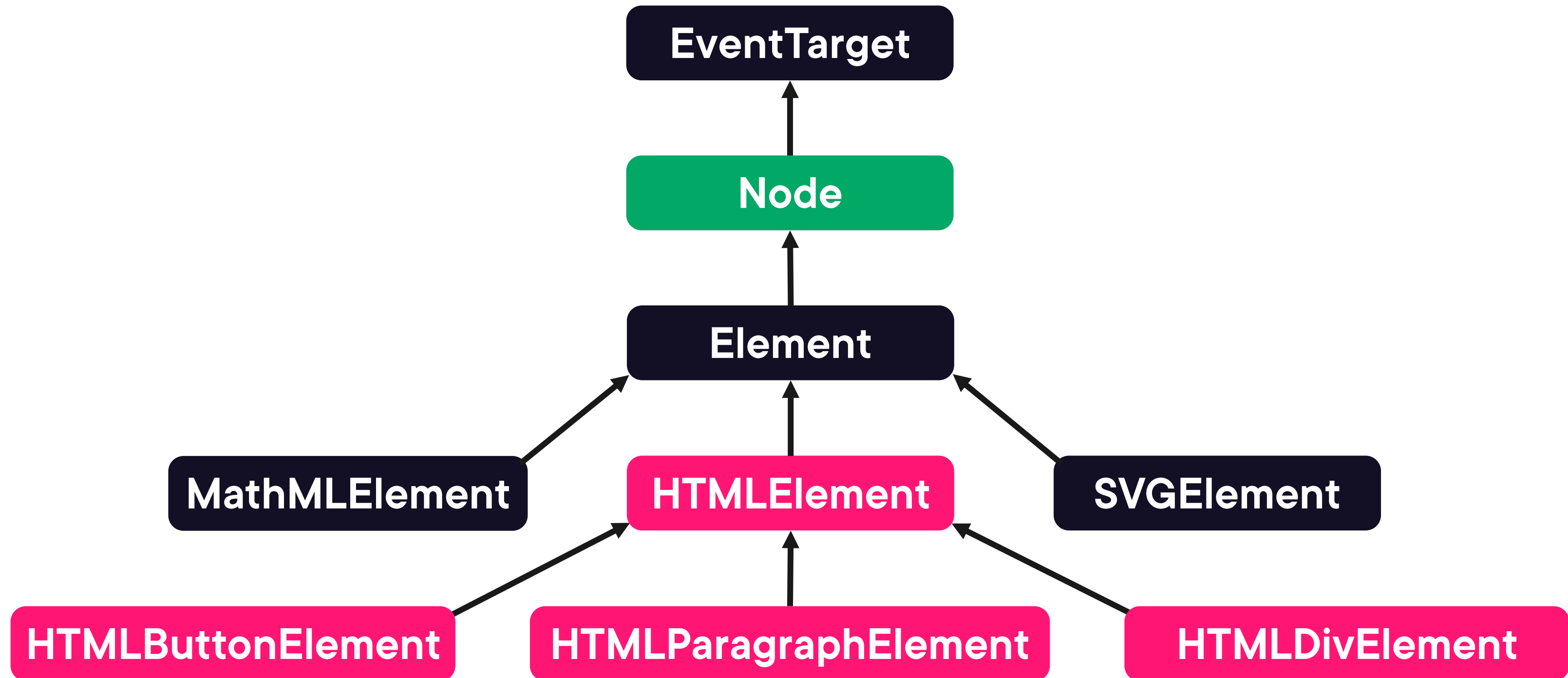




Work with HTML Elements



Work with HTML Elements



Demo



**Check if a node is an
HTMLParagraphElement**



Demo



Know how TypeScript maps elements



Demo



Use childNodes and children



Summary



Common DOM data types

- Document interface
- Node interface
- HTMLElement interface

Walk the DOM tree

- With recursion
- With a TreeWalker object

Work with HTML elements

- How TypeScript maps elements

Up Next:

Selecting Elements

