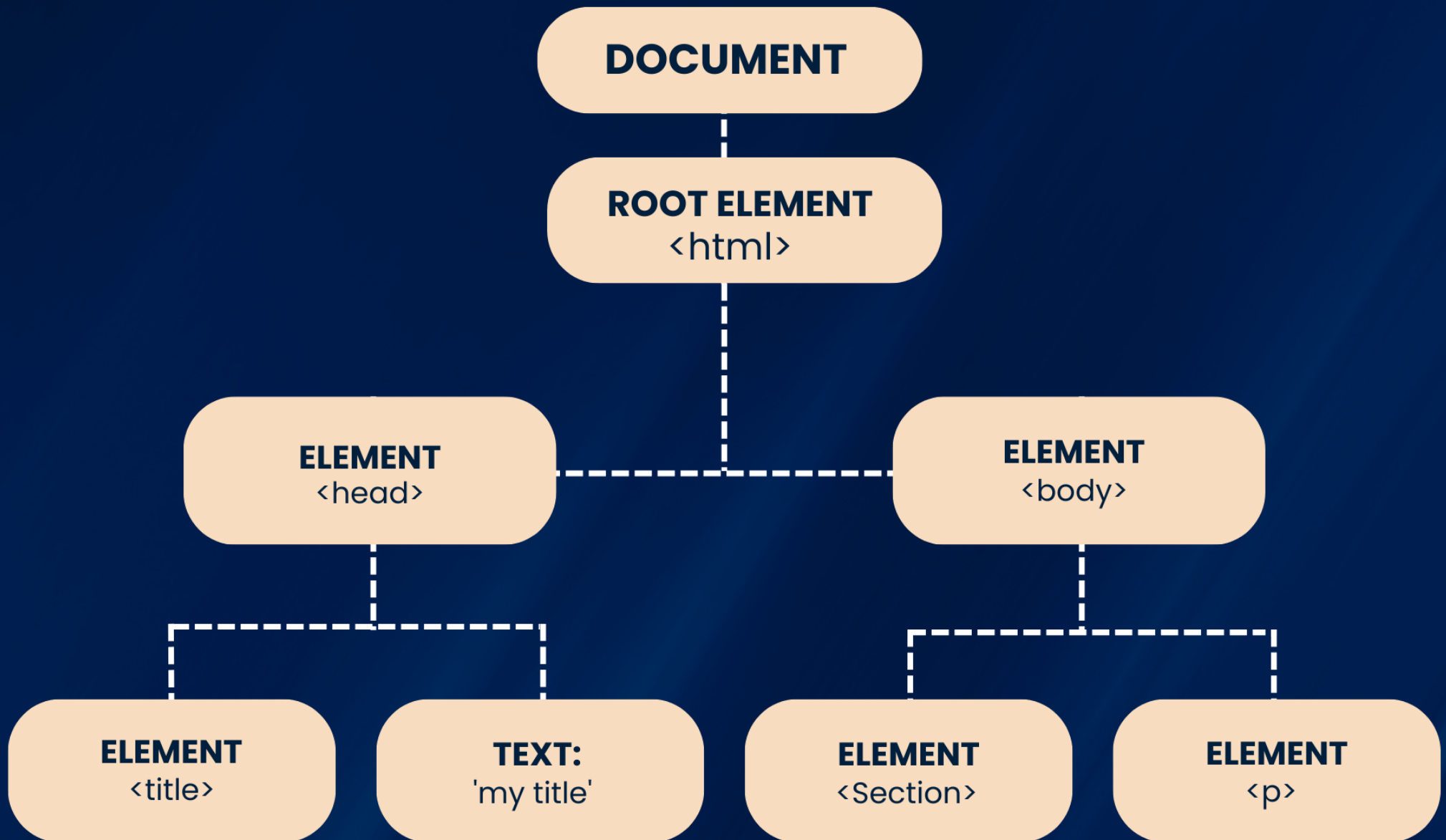# What is dom

In JavaScript, the Document Object Model (DOM) is a programming interface that represents the structure of an HTML or XML document. It provides a way for developers to interact with and manipulate the elements, attributes, and text content of a web page dynamically.

DOM TREE

```
                    ┌─────────────────┐
                    │    DOCUMENT     │
                    └─────────────────┘
                             │
                    ┌─────────────────┐
                    │  ROOT ELEMENT   │
                    │     <html>      │
                    └─────────────────┘
                             │
          ┌──────────────────┴──────────────────┐
  ┌─────────────────┐                   ┌─────────────────┐
  │     ELEMENT     │                   │     ELEMENT     │
  │     <head>      │                   │     <body>      │
  └─────────────────┘                   └─────────────────┘
          │                                      │
   ┌──────┴──────┐                        ┌──────┴──────┐
┌─────────┐ ┌─────────┐              ┌─────────┐ ┌─────────┐
│ ELEMENT │ │  TEXT:  │              │ ELEMENT │ │ ELEMENT │
│ <title> │ │'my title'│             │<Section>│ │   <p>   │
└─────────┘ └─────────┘              └─────────┘ └─────────┘
```

Dom !== JavaScript

The DOM (Document Object Model) and JavaScript are separate entities, although they are often used together in web development.