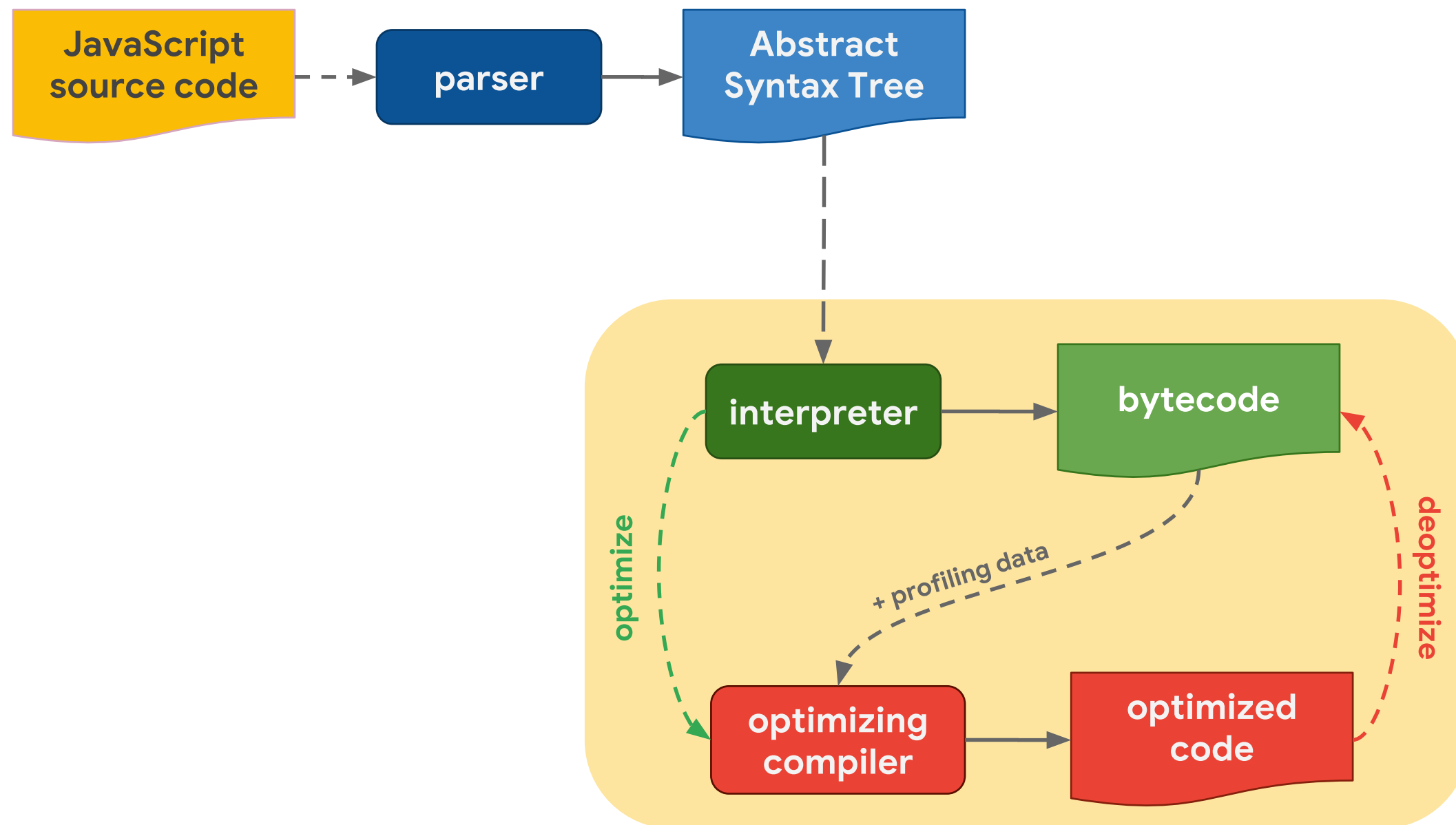


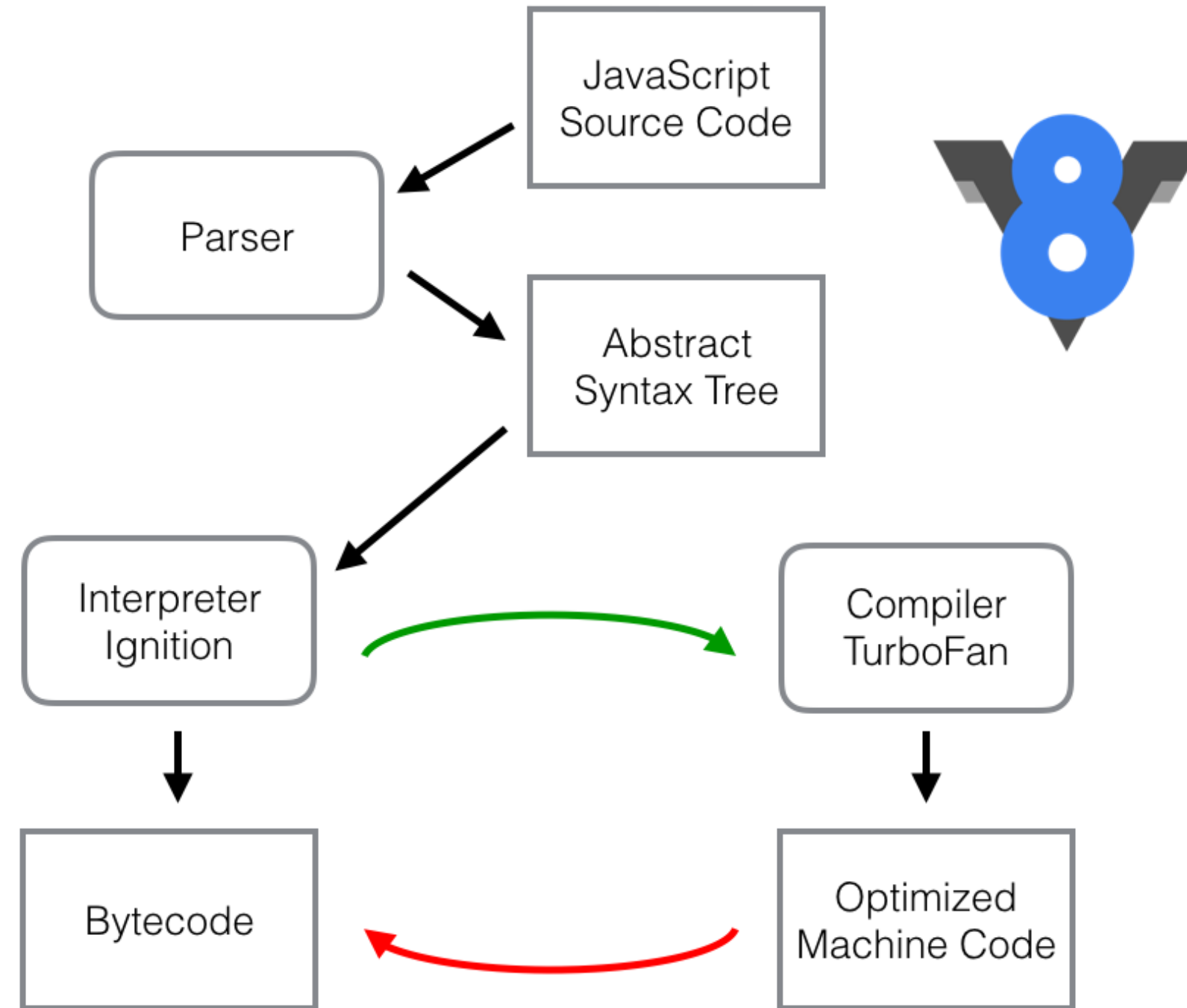


Javascript Engines (Virtual Machines)



V8 Engine- Javascript Virtual Machine

<https://github.com/v8/v8>



Engine (VM)

JS

**HOST
PROGRAM**

JS Code

readFile()

startCamera()

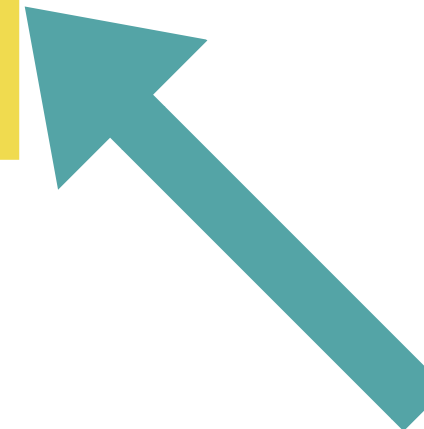
moveRobot()

C/C++ Code

_readFile()

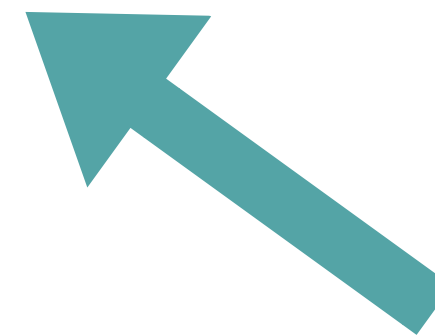
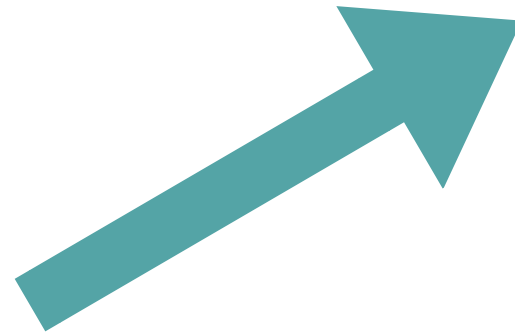
_startCamera()

_moveRobot()



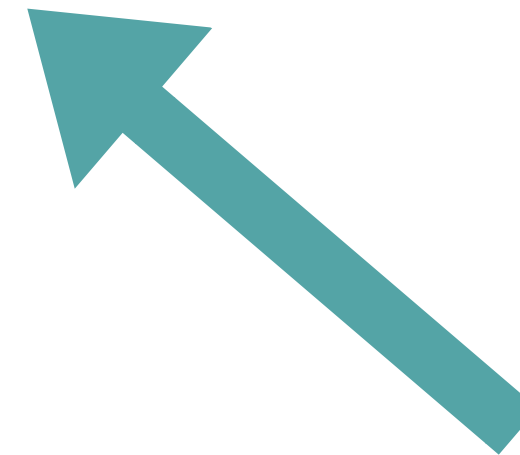
JS Code

```
readFile()  
os.cpus()  
new net.Server()
```



C/C++ Code

```
_readFile()  
_getCpusInfo()  
_createTCPServer()
```



JS Code

```
document.getElementById()  
element.addEventListener()  
setTimeout(), setInterval()  
geolocation.getCurrentPosition()
```

C/C++ Code

```
_DOM-API()  
_setTimeout, _setInterval()  
_getCurrentPosition()
```

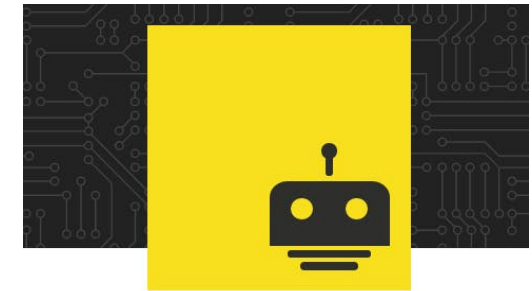
USAGE



Server Applications



Web Frontend Applications

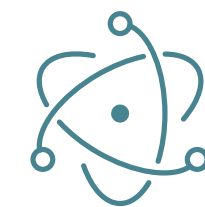


NodeBots

Robotics



Mobile Applications



ELECTRON

Desktop Applications

How to learn

JS

HTML+CSS

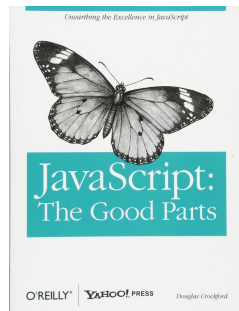
HOST API

WEB(Browser) API, DOM API , NODE API ...

Books*

Coding,coding,coding

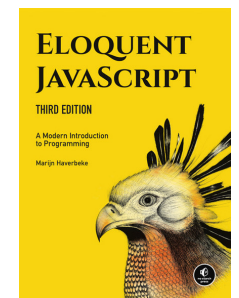
Docs , courses



Javascript the good parts

Html+css playlist

30 Day JS (Browser API and DOM)



Eloquent Javascript

Flexbox

DOM

CSS Grid

Mozilla Developers Network
(Docs for Web Api)



You Dont Know JS - 6 books series

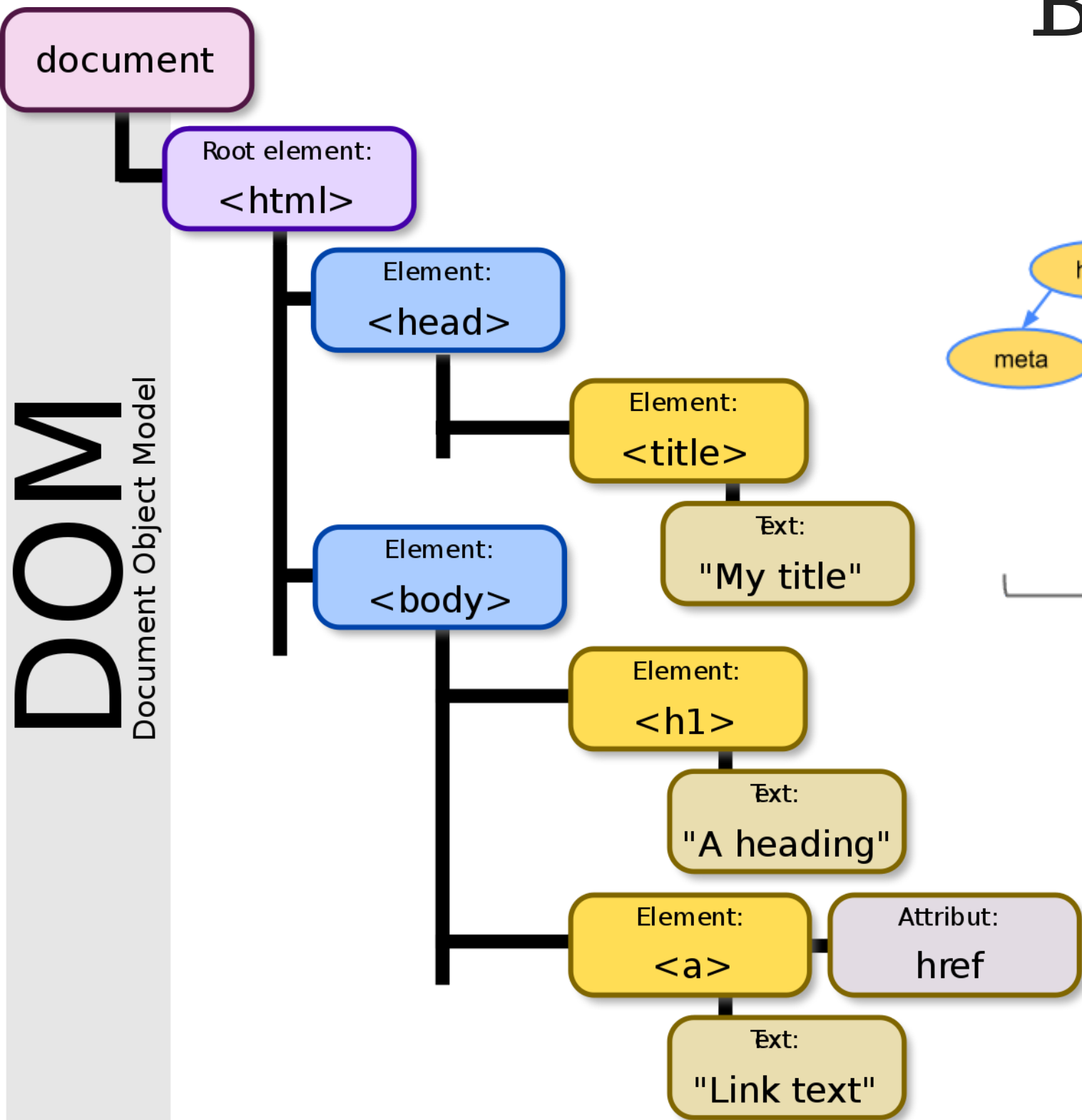
Fun Fact

There are around 1500  libraries and frameworks

LEARN THE LANGUAGE FIRST, NOT THE FRAMEWORK

DOM

Document Object Model



Browser DOM

