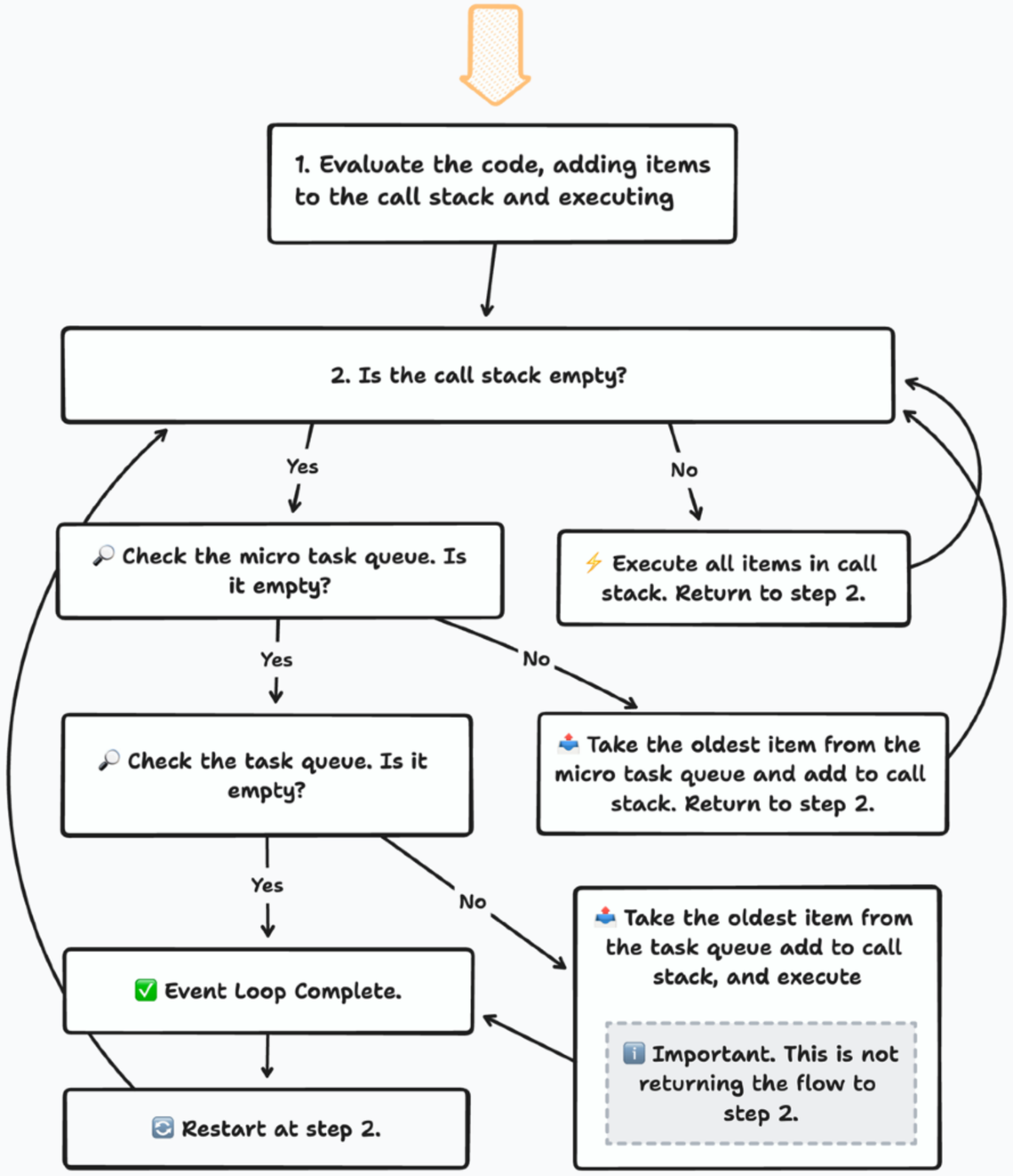
1. Evaluate the code, adding items to the call stack and executing
2. Is the call stack empty?
Yes
No
🔎 Check the micro task queue. Is it empty?
⚡ Execute all items in call stack. Return to step 2.
Yes
No
🔎 Check the task queue. Is it empty?
📥 Take the oldest item from the micro task queue and add to call stack. Return to step 2.
Yes
No
✅ Event Loop Complete.
📥 Take the oldest item from the task queue add to call stack, and execute
ℹ️ Important. This is not returning the flow to step 2.
🔄 Restart at step 2.

```
1 console.log('🏃 Start')
2 setTimeout(() => console.log('⏰ Done'), 0)
3 petDog().then(() => console.log('🐶 Pet complete'))
4 console.log('🏁 End')
```

Call Stack

Web API

Event Loop

Task Queue

Micro Task Queue