

Call Stack Revision Session

For your understanding

Call Stack

- ① Is Js sync or async?
- ② what is async?
- ③ why do we need this async behav.?
- ④ How does this work?
 - ↳ call stack
 - ↳ Event Loop

```

    }
    → console.log("console me");
    → fetch("url").then(res => console.log("Got data"))
    → console.log("This is end");
  }

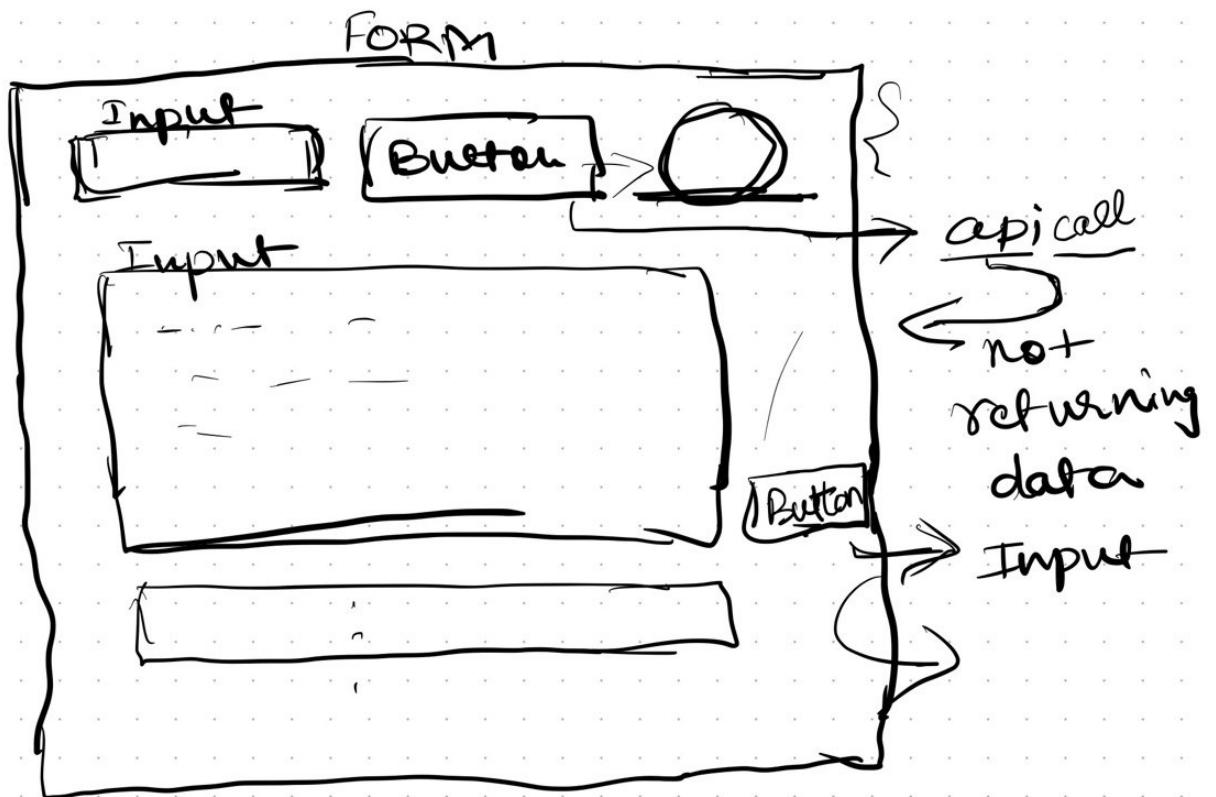
```

// Output:

```

console me
This is end
Got data

```



}

How??

1 console.log()

2 fetch(url).then(func)

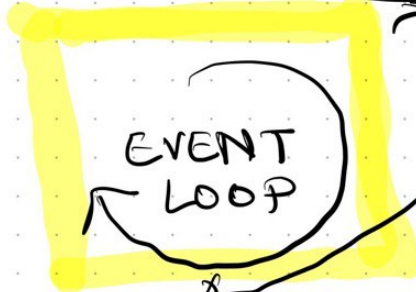
3 console.log()

async

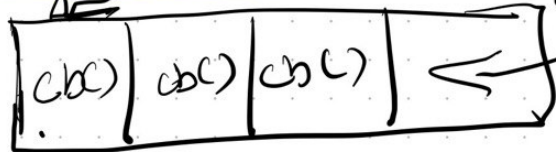
sync

Web API

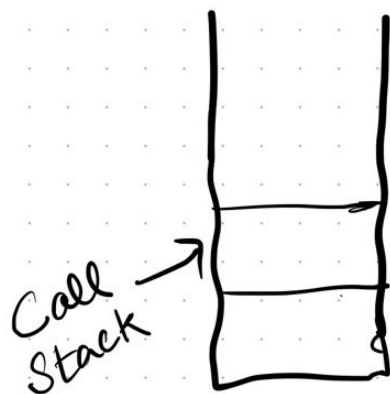
fetch()
console
DOM API



Click Me
5 times clicked



Job Queue



Call Stack

document.querySelector

Juice
News Paper
Towel

Butler

kitchen staff

fetch(Juice)
• then
(Give it to Batman)

Paper Boy

fetch("Paper")
• then (Read
Headline to
Batman)

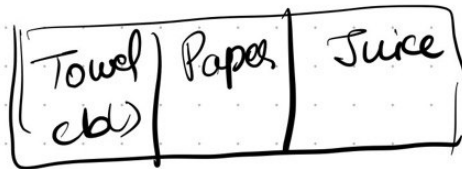
Housekeeping
Staff

fetch(Towel)
• then (Put it
in Bathroom)

BATMAN



Call Stack
LIFO



```
{  
  → function A() {  
    return "Hello";  
  }
```

```
  → function B() {  
    → return A(); ← -  
  }
```

```
  → const result = B();
```

```
  → console.log(result);  
    Hello
```

```
}
```

Call Stack:

