

# Asynchronous function calls

- DOM events (browser)
  - Ajax requests (browser)
  - Timer (browser and NodeJs)
  - any non-blocking I/O (NodeJs)
- ◉ but promises are not necessarily asynchronous by default

# The Javascript Event Loop

Heap



Stack



Synchronous API

```
Array.sort(f)
```

Asynchronous API

```
setTimeout(f, t)
```

