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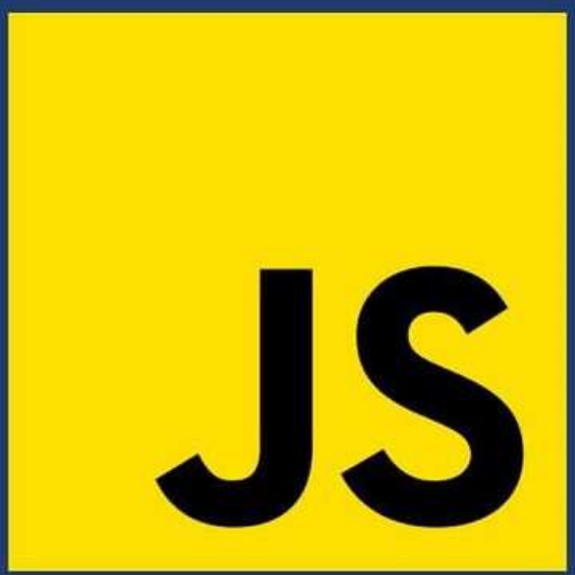
Promise in JavaScript



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What is Promise?

The **Promise** is an object in JavaScript that is use for asynchronous programming.

It has different states that are:

👉 **Pending** - A promise in in process

👉 **Fulfilled** - A promise has been completed

👉 **Rejected** - A promise has been failed

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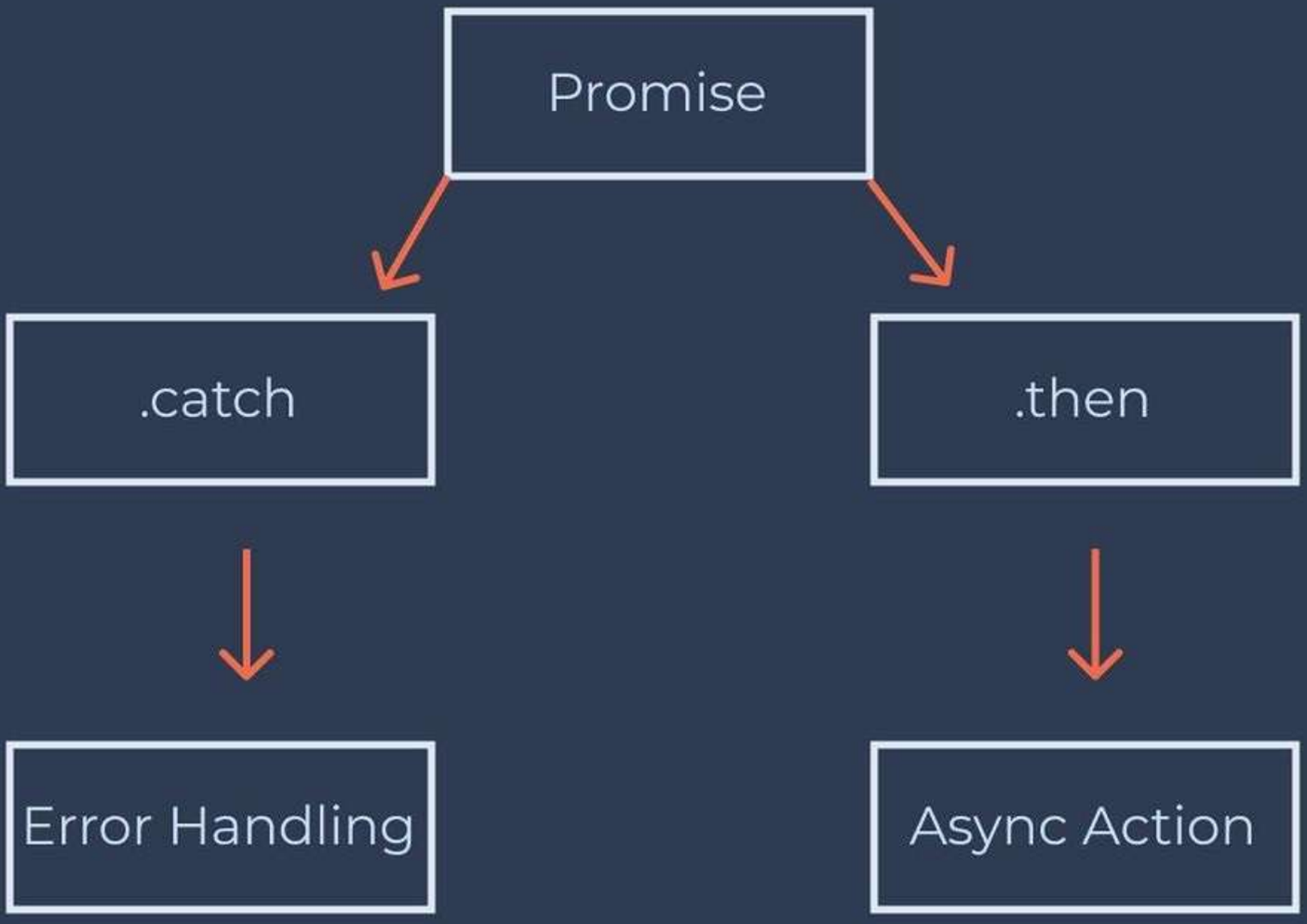
Demonstration

Here's a demonstration of how promise work:



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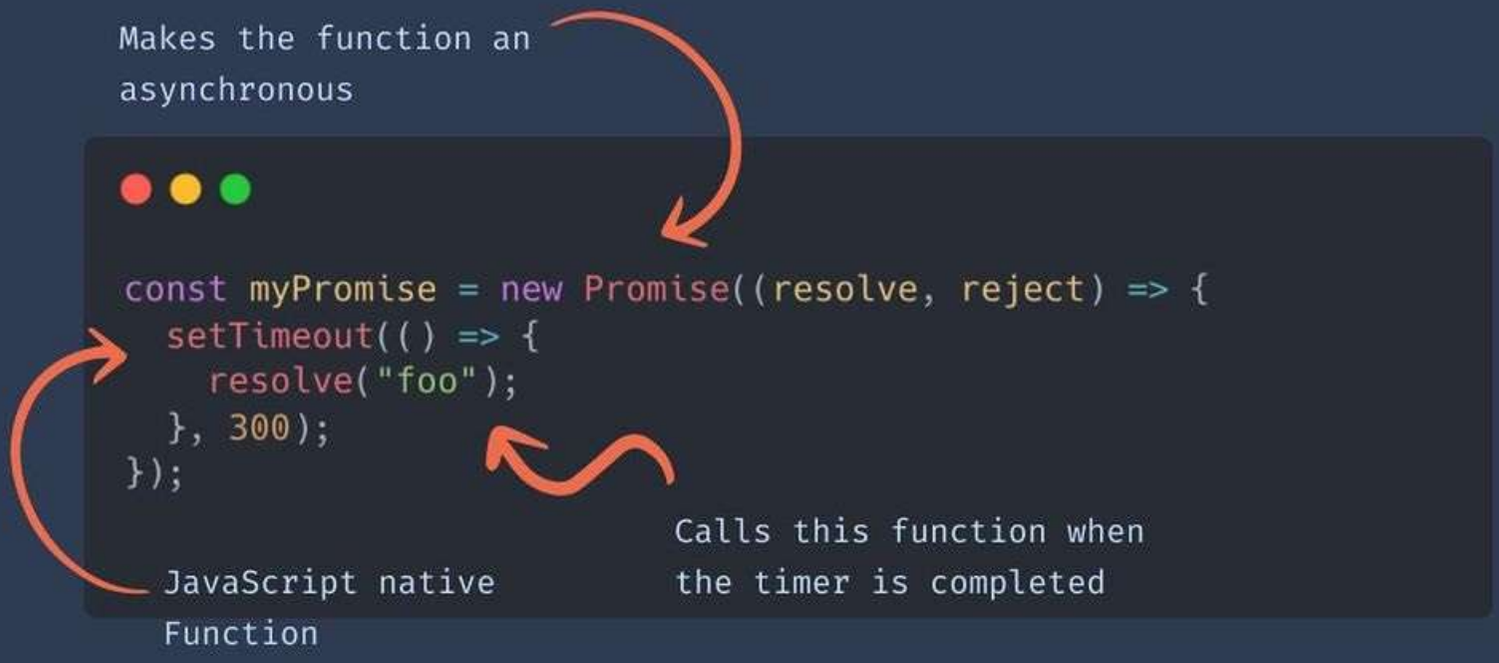
An Example

Here's an example of a Promise:



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A Simple Example

Here's another example of a Promise:

```
const myPromise = new Promise((resolve, reject) => {

  if(/* condition */){
    resolve();
  } else {
    reject();
  }
});

myPromise.then(res => {
    /* handle Resolve */
}).catch({
    /* handle Reject */
})
```

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Promise vs Async Await

Promise vs Async Await is a whole topic itself but one of the major difference is Promise use nested functions (**.then**) which eventually makes too many nested functions and code looks like a mess.

On the other hand Async Await keeps the code look more synchronous and clean.

At the end, both helps you achieving the same task.

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