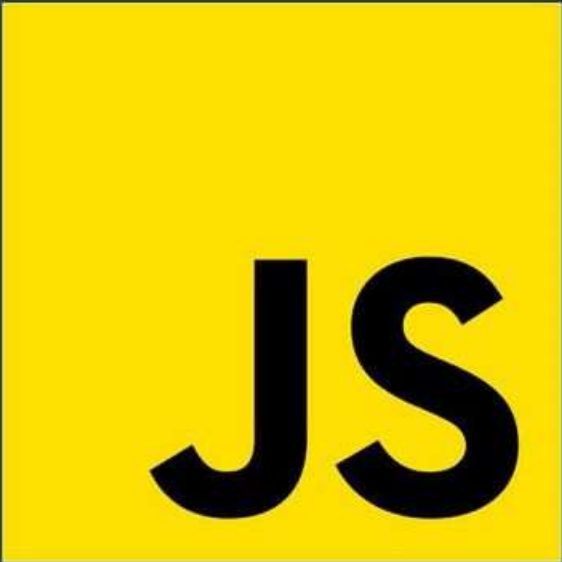


Promise in JavaScript

A large yellow square containing the letters 'JS' in a bold, black, sans-serif font, representing JavaScript.

JS

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

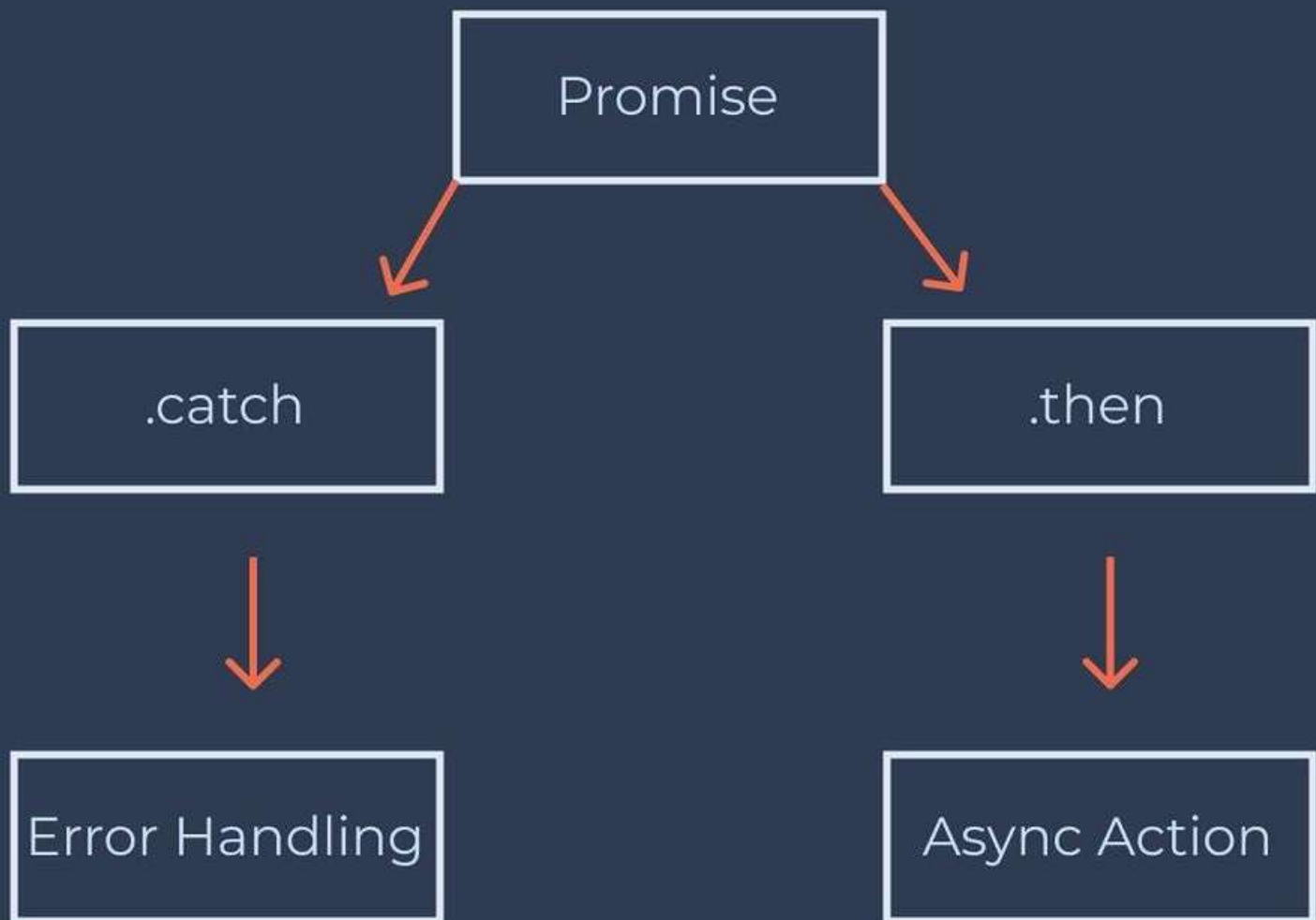
👉 **Fulfilled** - A promise has been completed

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



Demonstration

Here's a demonstration of how promise work:



An Example

Here's an example of a Promise:

Makes the function an asynchronous



```
const myPromise = new Promise((resolve, reject) => {  
  setTimeout(() => {  
    resolve("foo");  
  }, 300);  
});
```

JavaScript native
Function

Calls this function when
the timer is completed

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 */  
})
```

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.