



# WHAT ARE PROMISES

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You want to go on an vacation

You have lot of work to be done





So you ask your friend's help to  
book the plane tickets

And you ask him to inform you the status whether  
booking is done or cancelled so you can decide other  
transports (boat) if cancelled

Please book the tickets  
and inform me the Status

Sure I promise  
you to do so

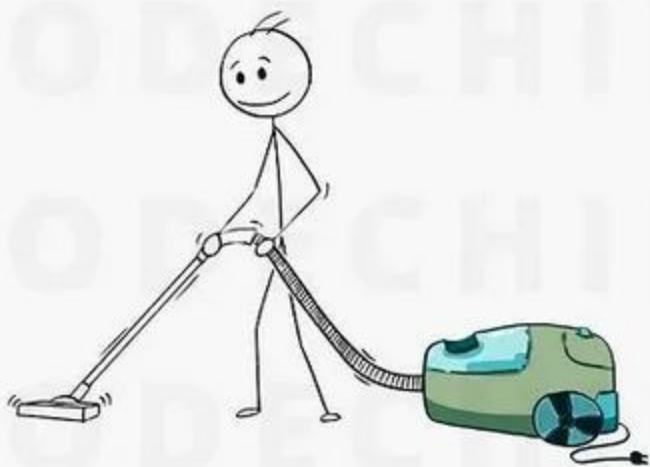




## Ticket booking Status = pending

as you haven't received any message from your friend

In mean time, you continue to finish other works



Even though you complete all other works, the vacation's final status still depends on the status of ticket booking



There are 2 possibilities you could expect

Everything went well and  
your friend got the tickets

Something bad might happen  
and flights got cancelled



Ticket booking Status = Resolved

Ticket booking Status = Rejected



# As your friend promised , he messages you the Status

So you can proceed further

Ticket booking Status = Resolved

Ticket booking Status = Rejected

Bye Bye Bugs



Ok, Let me check  
Ship availabilities





This is the exact same way  
Promises work in Javascript

# PROMISES



A promise is an object that returns a value  
which you hope to receive in the future





This is how the code looks like

```
var promise = new Promise(function(resolve, reject) {  
  // "Producing Code" (May take some time)  
  if (/* everything turned out fine */) {  
    resolve("Lets go to vacation");  
  }  
  else {  
    reject(Error("Try Ship availability"));  
  }  
});  
  
// "Consuming Code" (Must wait for a fulfilled Promise)  
promise.then(function(result) {  
  console.log(result); // "Lets go to vacation"  
}, function(err) {  
  console.log(err); // Error: "Try Ship availability"  
});
```





## Benefits of Promises

Better error handling

Better control flow of  
asynchronous logic



solves the problem of  
callback hell

Improved readability