



WHAT ARE PROMISES

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Art Credit : @dinsai.studio



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You want to go on an vacation
You have lot of work to be done



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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



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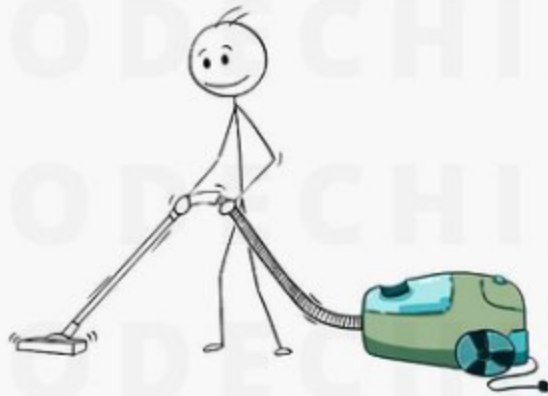
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Ticket booking Status = pending

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



Ticket booking Status = Resolved

Something bad might happen
and flights got cancelled



Ticket booking Status = Rejected



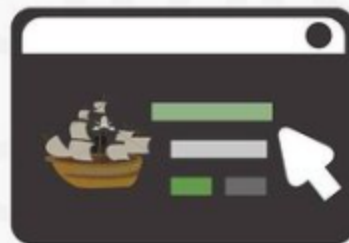
As your friend promised ,
he messages you the Status

So you can proceed further

Ticket booking Status = Resolved

Ticket booking Status = Rejected


Bye Bye Bugs



Ok, Let me check
Ship availabilities



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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 control flow of
asynchronous logic


Better error handling



solves the problem of
callback hell

Improved readability

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