ASYNCHRONOUS JAVASCRIPT & CALLBACKS

SETTIMEOUT()

```
setTimeout(function, delay);
```

specify a function to run after a delay

FUNCTIONS AS ARGUMENTS

anonymous function:

```
setTimeout(function(){
  console.log("Hello world");
}, 1000);
```

named function:

```
function helloWorld() {
  console.log("Hello world");
}

setTimeout(helloWorld, 1000);
```

PROMISE

```
doSomething().then(function(result) {
  return doSomethingElse(result);
})
.then(function(newResult) {
  return doThirdThing(newResult);
})
.then(function(finalResult) {
  console.log('Got the final result: ' + finalResult);
})
.catch(failureCallback);
```

FETCH

```
fetch(url).then(function(response) {
  if(response.ok) {
    return response.json();
  }
  throw new Error('Network response was not ok.');
}).then(function(data) {
  // DOM manipulation
}).catch(function(error) {
  // handle lack of data in UI
});
```