

Clean Code JavaScript

Best Practice Part-1




Avoid a long number of arguments



```
function createMenu(title, body, buttonText,
  cancellable) {
  // ...
}

createMenu("Foo", "Bar", "Baz", true);
```

Don't



```
function createMenu({ title, body, buttonText,
  cancellable }) {
  // ...
}

createMenu({
  title: "Foo",
  body: "Bar",
  buttonText: "Baz",
  cancellable: true
});
```

Do

Avoid negative conditionals



```
function isDOMNodeNotPresent(node) {  
  // ...  
}  
  
if (!isDOMNodeNotPresent(node)) {  
  // ...  
}
```

Don't



```
function isDOMNodePresent(node) {  
  // ...  
}  
  
if (isDOMNodePresent(node)) {  
  // ...  
}
```

Do

Avoid type-checking when task can be done simply

```
function combine(val1, val2) {  
  if (  
    (typeof val1 === "number" && typeof val2 ===  
    "number") ||  
    (typeof val1 === "string" && typeof val2 ===  
    "string")  
  ) {  
    return val1 + val2;  
  }  
  
  throw new Error("Must be of type String or  
  Number");  
}
```


Don't

```
function combine(val1, val2) {  
  return val1 + val2;  
}
```

Do


Use name which are easy to remember & searchable into code

Don't



```
setTimeout(blastOff, 86400000);
```

Do



```
// Declare them as capitalized named constants.  
const MILLISECONDS_IN_A_DAY = 60 * 60 * 24 *  
1000; //86400000;  
  
setTimeout(blastOff, MILLISECONDS_IN_A_DAY);
```

Avoid executing multiple actions within a single function

```
function emailClients(clients) {  
  clients.forEach(client => {  
    const clientRecord =  
    database.lookup(client);  
    if (clientRecord.isActive()) {  
      email(client);  
    }  
  });  
}
```

Don't

```
function emailActiveClients(clients) {  
  clients.filter(isActiveClient).forEach(email);  
}  
  
function isActiveClient(client) {  
  const clientRecord = database.lookup(client);  
  return clientRecord.isActive();  
}
```

Do

Don't add unneeded text into name

```
const Car = {  
  carMake: "Honda",  
  carModel: "Accord",  
  carColor: "Blue"  
};  
  
function paintCar(car) {  
  car.carColor = "Red";  
}
```


Don't

```
const Car = {  
  make: "Honda",  
  model: "Accord",  
  color: "Blue"  
};  
  
function paintCar(car) {  
  car.color = "Red";  
}
```

Do


Meaningful variables

Don't



```
const yyyymmddstr =  
moment().format("YYYY/MM/DD");
```

Do



```
const currentDate =  
moment().format("YYYY/MM/DD");
```


Avoid executing multiple actions within a single function

```
function emailClients(clients) {  
  clients.forEach(client => {  
    const clientRecord =  
    database.lookup(client);  
    if (clientRecord.isActive()) {  
      email(client);  
    }  
  });  
}
```


Don't

```
function emailActiveClients(clients) {  
  clients.filter(isActiveClient).forEach(email);  
}  
  
function isActiveClient(client) {  
  const clientRecord = database.lookup(client);  
  return clientRecord.isActive();  
}
```

Do


Don't add extra unneeded words to the variable names

Don't



```
getUserInfo();  
getClientData();  
getCustomerRecord();
```

Do



```
getUserInfo();  
getUserData();  
getUserRecord();
```

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