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| SFED Questions & Task |  |

**Questions**

1. Give a few reasons why separating state is useful.

It’s useful to keep track of what state the app is at a given moment so that it can be debugged or even rolled back in time.

1. Are there benefits to using ES6 classes and, if so, what are they?

As javascript is a prototypal language, the new class system is syntactic sugar to structure the code in a more object oriented way. That said, it greatly eases comprehesion with features like *getters* and *setters* and *extend*.

1. What is immutability? How can this be useful?

It’s a way to avoid modifying the original data structure, in my experience, mostly for arrays, so that when methods like *map()* are applied, a new array is output and the original remains intact. It’s a paradigm of functional programming.

1. What is the spread operator for?

It’s a way to pass an iterable object like an array without having to specify the number of items. It avoids using *apply*. The syntax is: *…array* (or iterable object). It also simplifies array operations:

*let characters = ['Mario', 'Lara'];*

*let moreCharacters = ['Kratos', 'Bayonetta'];*

*characters.push(...moreCharacters);*

**Task**

* Using a public api or local json files, get data from 2 or more endpoints and then merge and filter the results.
* Please provide the full solution.
* Use vanilla JavaScript or a framework
* We are particularly interested in seeing use of tES6 methods.