Week 8’s HW assignment:

1. What is the relationship between a Class and an Object?

In JavaScript, a class is like a blueprint for an object. To explain it better, we can use building a house as a great reference. A class is where you develop the blueprint, and when putting it together, you know where the windows will go, the doors, the stairs, the flooring, the kitchen, cabinets, etc. It includes all the small details inside the home. Whereas the house itself is the object. Just an object that defines the item or product or anything within itself. An object is singular, whereas a class is plural and can create other classes.

1. What is “encapsulation” in JavaScript?

Encapsulation is the process where you would pack or place data and function into one component (for example, a class), then to control the access to that component to make a “blackbox” out of the object. A user only needs to know its interface (that is, the data and functions exposed outside the class) and not the hidden implementation. Encapsulation can happen using two techniques, “using closures, and “using classes”.

Sources:

1. <https://www.geeksforgeeks.org/classes-and-objects-in-javascript/>#
2. <https://developer.mozilla.org/en-US/docs/Glossary/Encapsulation>
3. <https://www.geeksforgeeks.org/encapsulation-in-javascript/>