Graphical user interface, application

Description automatically generated**Passing value vs reference types into functions as arguments**

**Primitive Type:**

* flight variable is passed into the checkIn function, but it is **not** redefined in the function
* flightNum is a copy of the original primitive value of the flight variable – **flightNum = flight**
* flightNum is a different variable, so the change is not reflected in the outside variable

**Reference Type:**

* When a reference type is passed to a function, the value passed in is just a **reference to the object that is stored in the memory heap**
* So, when the passenger object is created in the function, it will still point to the **same object in the heap**
* Therefore the passenger.name change will be reflected in the object outside of the function

**Important – JavaScript only has pass by value:**

* Javascript does not have passing by reference, everything is passed by value (even with reference types)
* In C++ there is passing by reference, so you can pass a reference of even a primitive value like 5, so this would ensure that 5 would be changed outside the function