I see in your binomial pseudocode that you mention this:

Note: the comparator function has to be implemented so that it treats a null value as more extreme than any other value.

My question is do you check to see if NULL is in the key, name, or predecessor, or all 3?

Also, in the combine function, when you say subheaps, are these subheaps represented as circular double linked lists, nodes of CDLLs, or BinHeaps themselves? Just for clarification.

The null is used for binomial heap delete, which is not used for this project. You can ignore that part. For all other uses of the comparator, no value will be null.