

The first issue of subclassing a singleton is that the singleton's constructor is private to prevent its instantiation from outside of the singleton's class. Because of this, the singleton is not extensible without its constructor being made public.

Another issue is that the static variable containing the instance would be shared between all the subclasses and the superclass. This is likely not what would be intended from attempting to extend the singleton's class and would require major structural changes in order to allow for this to happen.