

Q: Is there a way to meaningfully display the name of the baby that is crying at the advanced monitor? If so, can you name one obvious drawback of such a solution with regard to the interface with which Observers and Subjects communicate?

A: Yes, there is a way to meaningfully display the name of the baby that is crying at the advanced monitor. The baby's name can either be passed as an argument or the baby can have a getter that can retrieve the baby's name. The most appropriate way to do this would be for the observer to be passed the baby's name when the observers are notified. However, the drawback of doing that is that this would mean that the current observer class would mean that the observer interface would need to be changed in order to accommodate this. This would also mean that the simple observer would be passed an argument it does not need. However, the second method could be used to allow the advanced baby monitor to get the crying baby's name, but then the advanced monitor would need a way of identifying the baby that is crying out of the potential multiple babies it can be observing. This would mean another change to the observer interface that the simple monitor does not need and will not use.