

1. Principle Violated: Interface Segregation Principle
2. Reason: Interface `ILibraryItem` contains 5 methods. By implementing this interface, class `Book` had to implement the methods `GetPlayTime()` and `GetCastList()` which it doesn't need. Similarly, class `DVD` had to implement the method `GetAuthor()` even though it is not required for that class. To fix this violation, I have created three specific interfaces instead of one generic interface. Interface `IBookItem` contains methods which are specific to the `Book` type. Interface `IDVDItem` contains methods which are specific to the `DVD` type. Interface `IItem` contains methods which are common to both types. Class `Book` implements interfaces `IBookItem` and `IItem` while class `DVD` implements interfaces `IDVDItem` and `IItem`.
3. The following code fixes the violation of Interface Segregation Principle.  
`IItem.java`  
`IBookItem.java`  
`IDVDItem.java`  
`Book.java`  
`DVD.java`