Core java - Advance Topics

OOPS :

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https://www.educative.io/collection/page/5668639101419520/5692201761767424/5636470266134528

https://www.careercup.com/question?id=64946

https://www.geeksforgeeks.org/design-an-online-book-reader-system/ https://www.geeksforgeeks.org/design-movie-ticket-booking-system-like-bookmyshow/

BOOKMYSHOW system design!!

Medium

```
/**
    * Imagine you have a call center with three levels of employees: respondent,
    * manager and director. An incoming telephone call must be first allocated to a
    * respondent who is free. If the respondent can't handle the call, he or she
    * must escalate the call to a manager. If the manager is not free or not able
    * to handle it, then the call should be escalated to a director. Design the
    * classes and data structures for this problem. Implement a method
    * dispatchCall() which assigns a call to the first available employee.
    *
    * @author momalhotra
    *
    */
public class CallCenterModellingTest {
        public static void main(String[] args) {
    }
}
```

CallManagement callManagement - now CallManagement():