# ASSIGNMENT 1- REPORT

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# 1 Part 1

## 1.1 The list of errors you found for the Book class

Here are requirements that are not completely fulfill by the legacy code.

- Requirements 4 and 13: A user cannot set a negative VAT. If he/she tries, the VAT is set to zero.

- Requirements 2 and 12: The base price of a book should be greater than zero and if the user tries to set a negative base price, the base price should be set to zero.

- Requirement 6 and 14: The discount can not be a negative value and if the user tries to set a negative discount, the discount should be set to zero.

- Requirement 8 The program must be able to calculate a final sell price. When user create a book with the second contructor (the one with parameters), the sellprice is not calculated automaticaly. It should be.

There is one inconsistency in the requirements:

- Requirement 2 can be in conflict with requiremnt 12. So the requirement 2 shoud be "The base price of a book should be greater or equal to zero".

# 2 Part 2

## 2.1 How many of the requirements were covered

All of them

## 2.2 How many of the the methods have a test

All of them

## 2.3 What is the code coverage reported by djUnit

100%

## 2.4 Which tests (if any) had to be updated

None

## 2.5 Which tests are new in the updated test suite.

- testDefaultOnSaleSatusIsFalse : In this test we are asserting that after the creation of a new book the status "on sale" is automatically false.

- testOnSaleStatusIsSettable: In this testwe are asserting that the "on sale" status can be modified.

- testSalePriceIsSixtyPercentOfOriginalPrice: In this test we are asserting that the sale price is 60% of the original price.

- testBestSellerCannotBeOnSale: In this test we are asserting that if a book is already a best seller he canot be put on sale.

- testAnOnSaleBookCannotBeAbestSeller: In this test we are assering that if a book is already on sale he cannot be declare as a best seller.