

BLACKBOX TESTING EXAMPLE: VIDEO SALES

Procedure: validateRating

In the video sale and rental shop system, there is a procedure to validate the review rating input by the user. Recall that a review can be given a rating, which is an integer value, from 1 to 5.

For each of the following test categories:

- (a) boundary
- (b) typical
- (c) other

what **specific test values** should be used to test whether the validateRating procedure works correctly and accepts only valid rating values?

BLACKBOX TESTING EXAMPLE: SOLUTION

We need to decide whether to treat the input values as a range or as a set of values. Since the number of allowed values is small, five in total, we can treat them as a set of values and test all of them. However, since the input values are also integers, we should also apply the tests for a range of values. We choose to do both and use the following test cases and values.

Boundary values

<u>Test Case</u>	<u>Test Value</u>
1. Minimum range—invalid rating	0
2. Maximum range—invalid rating	6

BLACKBOX TESTING EXAMPLE: SOLUTION

Member of set/typical values

<u>Test Case</u>	<u>Test Value</u>
3. Set member/in range—valid rating	1
4. Set member/in range—valid rating	2
5. Set member/in range—valid rating	3
6. Set member/in range—valid rating	4
7. Set member/in range—valid rating	5
8. Below range—invalid rating	-5
9. Above range—invalid rating	9

Other values

<u>Test Case</u>	<u>Test Value</u>
10. Numeric decimal—invalid rating	2.5
11. Non-numeric value—invalid rating	P
12. No input—invalid rating	
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