

src\test\java\shelf\BookTest.java

```
1 package shelf;
2
3 import org.junit.*;
4 import static org.junit.Assert.*;
5
6 public class BookTest {
7
8     @Test
9     public void bookConstructorInitialize(){
10         Book book = new Book("Alice im Wunderland", "Lewis Carroll", 234);
11         assertEquals("Alice im Wunderland", book.getTitle());
12         assertEquals("Lewis Carroll", book.getAuthor());
13         assertEquals(234, book.getPages());
14     }
15
16
17     @Test(expected=IllegalArgumentException.class)
18     public void bookConstructorNullTitle(){
19         new Book(null, "Lewis Carroll", 234);
20     }
21
22     @Test(expected=IllegalArgumentException.class)
23     public void bookConstructorEmptyTitle(){
24         new Book("", "Lewis Carroll", 234);
25     }
26
27     @Test(expected=IllegalArgumentException.class)
28     public void bookConstructorNullAuthor(){
29         new Book("Alice im Wunderland", null, 234);
30     }
31
32     @Test(expected=IllegalArgumentException.class)
33     public void bookConstructorEmptyAuthor(){
34         new Book("Alice im Wunderland", "", 234);
35     }
36
37     @Test(expected=IllegalArgumentException.class)
38     public void bookConstructorZeroPages(){
39         new Book("Alice im Wunderland", "Lewis Carroll", 0);
40     }
41
42     @Test(expected=IllegalArgumentException.class)
43     public void bookConstructorNegativePages(){
44         new Book("Alice im Wunderland", "Lewis Carroll", -5);
45     }
46
47     @Test
48     public void bookConstructorInvalid(){
49
50         assertThrows("...",
51             IllegalArgumentException.class,
52             () -> new Book(null, "Lewis Carroll", 234) );
53
54         assertThrows("...",
55             IllegalArgumentException.class,
56             () -> new Book("", "Lewis Carroll", 234) );
57     }
58 }
```

```
58 |     assertThrows("...",  
59 |         IllegalArgumentException.class,  
60 |         () -> new Book("Alice im Wunderland", "Lewis Carroll", -234) );  
61 |  
62 |     }  
63 |  
64 | }  
65 |
```