Test Case Coverage Report

LibraryTest

all > prototype.library > LibraryTest

11	0	0	0.058s
tests	failures	ignored	duration

100%
successful

Tests

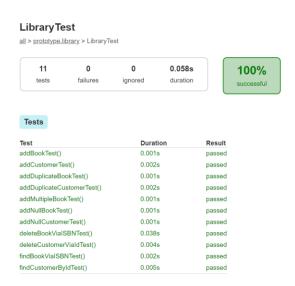| Test	Duration	Result
addBookTest()	0.001s	passed
addCustomerTest()	0.002s	passed
addDuplicateBookTest()	0.001s	passed
addDuplicateCustomerTest()	0.002s	passed
addMultipleBookTest()	0.001s	passed
addNullBookTest()	0.001s	passed
addNullCustomerTest()	0.001s	passed
deleteBookViaISBNTest()	0.038s	passed
deleteCustomerViaIdTest()	0.004s	passed
findBookViaISBNTest()	0.002s	passed
findCustomerByIdTest()	0.005s	passed

The 'LibraryTest' suite consists of eleven tests, each of which was performed successfully in 0.058 seconds. Every test aimed to confirm the library system's fundamental characteristics. The tests include handling duplicate data, adding new customers and books, and ensuring that deletion and retrieval processes are followed appropriately. Tests such as 'addBookTest()' and 'addCustomerTest()' ensure successful addition of new entries, while 'addDuplicateBookTest()' and 'addDuplicateCustomerTest()' ensure proper handling of multiple addition attempts. Furthermore, the deletion methods were examined using tests such as 'deleteBookViaISBNTest()' and 'deleteCustomerViaIdTest()'. To ensure reliable handling of null inputs, the suite also contains edge case tests like 'addNullBookTest()'. Overall, a detailed evaluation of various examples demonstrates how accurate and reliable the library's main features are.