PDS Application Development Report

Roll Number	IMT2019012
Name	Archit Sangal
Application Domain Name (Banking, Transport, etc.)	Library Management System
Date	13 October 2021

Variable in structure Book

S. No	Attribute Name	Attribute Type
1	unique_book_id	int
2	book_name	char[]
3	author_name	char[]
4	student_name	char[]

Testing Report

Test-Case-ID	Test Case Description	Expected Result	Actual Result	Test Result (PASS/FAIL)
TC-01	Inserting new record	SUCCESS	SUCCESS	PASS
TC-02	Inserting duplicate record	FAILURE	FAILURE	PASS
TC-03	Modify existing record	SUCCESS	SUCCESS	PASS
TC-04	Modify non-existing record	FAILURE	FAILURE	PASS
TC-05	Modify first record	SUCCESS	SUCCESS	PASS
TC-06	Modify last record	SUCCESS	SUCCESS	PASS
TC-07	Delete existing record	SUCCESS	SUCCESS	PASS
TC-08	Delete non-existing record	FAILURE	FAILURE	PASS
TC-09	Delete first record	SUCCESS	SUCCESS	PASS
TC-10	Delete last record	SUCCESS	SUCCESS	PASS
TC-11	1. Open an **empty** database 2. Insert ONE record 3. Delete the only record	SUCCESS	SUCCESS	PASS
TC-12	Retrieve existing record based on NDX field	SUCCESS	SUCCESS	PASS
TC-13	Retrieve non-existing record based on NDX field	FAILURE	FAILURE	PASS
TC-14	Retrieve existing record based on NON-NDX field	SUCCESS	SUCCESS	PASS
TC-15	Retrieve non-existing record based on NON-NDX field	FAILURE	FAILURE	PASS

TC-16	Exit and restart the application Retrieve existing record based on NDX field	SUCCESS	SUCCESS	PASS
TC-17	Exit and restart the application Retrieve non-existing record based on NDX field	FAILURE	FAILURE	PASS
TC-18	Exit and restart the application Retrieve existing record based on NON-NDX field	SUCCESS	SUCCESS	PASS
TC-19	Exit and restart the application Retrieve non-existing record based on NON-NDX field	FAILURE	FAILURE	PASS