

Test Result Report

(Name of the Product)

Books management System

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1.0 INTRODUCTION

The Books Management System is a system to record the information of books in a store. The books' information is in the form of following attributes : title, author, year of publication and the ISBN number of the book. Book stores require this kind of systems to keep track of books present in the store and retrieve book information easily. User can insert new books, update existing ones, search for them and delete them as well.

2.0 TESTING STRATEGY

1. **Functional testing**
2. **Unit testing**
3. **Integration Testing**

| Approach | Type of Testing | Manual Testing | | Automated Testing on Device | Tools/APIs/Libraries |
|---------------------------------------|---------------------|----------------|----------------|-----------------------------|---|
| | | Using Device | Using Emulator | | |
| Standard Testing (Functional Testing) | Unit Testing | No | Yes | No | 1. Unittest (python unit testing framework) |
| | Integration Testing | No | Yes | No | |

2.1 Unit Testing Report

| | |
|---------------------------|------------------------------------|
| EXECUTION STATUS | COMPLETED/CANCELLED/PENDING |
| PASSED TESTCASES | 7 |
| FAILED TESTCASES | 2 |
| PENDING TESTCASES | 0 |
| TEST CASES PLANNED | 7 |

| MODULES/ SCENARIOS | DESCRIPTION | % TCs EXECUTED | % TCs PASSED | TCs PENDING | PRIORITY | REMARKS |
|-------------------------------|--|---------------------------|-------------------------|------------------------|-----------------|----------------|
| INSERT | Validation units related to insertion | 63 | 37 | 00 | MODERATE | - |
| VIEW | Retrieval of records from DB | 100 | 100 | 00 | LOW | - |
| SEARCH | Searching records in DB | 100 | 100 | 00 | MODERATE | - |

2.2 Integration Testing

| EXECUTION STATUS | COMPLETED/CANCELLED/PENDING |
|--------------------|-----------------------------|
| PASSED TESTCASES | 4 |
| FAILED TESTCASES | 0 |
| PENDING TESTCASES | 0 |
| TEST CASES PLANNED | 4 |

| MODULES/ SCENARIOS | DESCRIPTION | % TCs EXECUTED | % TCs PASSED | TCs PENDING | PRIORITY | REMARKS |
|-----------------------|-------------------------------|-------------------|-----------------|----------------|----------|---------|
| INSERT | Insertion of records | 100 | 100 | 00 | HIGH | - |
| UPDATE | Updation of records | 100 | 100 | 00 | HIGH | - |
| DELETE | Deletion of records | 100 | 100 | 00 | HIGH | - |
| SEARCH | Searching of records in DB | 100 | 100 | 00 | HIGH | - |

3.0 TOOLS

1. Python module - unittest

4.0 APPROVALS

| Name (In Capital Letters) | Signature | Date |
|---------------------------|-----------|------|
| 1. | | |