

Lab Week 02 – Exercise 2

INSTANTIATION & ENCAPSULATION EXERCISE

HOME EXERCISE:

1. Create a library system with two books: a) Title: "The Enigma Code" ISBN: 978-1234567890 Status: Available
2. b) Title: "Journey to the Stars" ISBN: 978-9876543210 Status: Checked Out
3. Display the details of both books in the library system.
4. Apply a late fee of \$5.00 to both books for overdue returns.
5. Display the updated details of both books, including the late fee.
6. Add a new member with the following details: Name: Emily Johnson Member ID: 1001
7. Allow Emily Johnson to borrow "The Enigma Code" book.
8. Display the updated status of both books and Emily Johnson's borrowing status.
9. Design a class diagram for the library management system.