**Department of Computer Science**

**Software Engineering (CSC342)**

**Tutorial 7 Solution**

**(See Note at end )**

Borrower-Book

issueDate

returnDate

fine

issueBook( )

returnBook( )

Staff Member

Name

SSN

Address

Email

UserName

Password

addStaff( )

viewStaff( )

updateStaff( )

deleteStaff( )

Book

Title

ISBN

Author

isuueStatus

Price

addBook( )

viewBook( )

updateBook( )

deleteBook( )

Borrower

LibCardNo

LibraryCardExpiryDate

Name

Email

Phone

Address

nbOutStandingBooks

addBorrowe( )

viewBorrower( )

updateBorrower( )

deleteBorrower( )

**Note:**

1. **To solve many to many multiplicity in coding , keep primary keys of both classes in Book-Borrower class**
2. **Staff Member does not have any association with other classes because we are not recording the detail of any association between staff member and other classes in our system.**
3. **Every class has getters and setters**