Soft 7004 – OOP1 - Labs

## LAB 4: Completion Date: 10th November 2017

## On completion please zip up your files including any documents used for drawing the class diagram. Upload to BlackBoard.

You have already completed the ObjectList, the Lecturer and the Book classes from the class diagram below. You should have a dummy copy of the BookList class. From the diagram below complete this BookList class. Test your classes.

ObjectList

oList: Object[ ]

total: int

ObjectList(int)

add(Object): boolean

remove(int): boolean

isFull(): boolean

isEmpty(): boolean

getObject(int) : Object

getTotal(): int

# Lecturer

name: String

ID: int

books: BookList

MAXNOOFBOOKS: int 15

Lecturer : (String , int)

getName () : String

getID () : int

addBook *(Book)*

getBookList () : BookList

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toString(): String

print()

BookList

BookList(int)

getBook(int) : Book

search(int): Book //ISBN

removeBook(int): boolean //ISBN

calculateYearlyBookPayment(): double

Book

title: String

ISBN: int

author: String

price: double

Book(String, int, String, double)

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getPrice(): double

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