

Project LIB OPAC

Program Design Language

Submitted to:

Asst. Prof. Ma. Rowena C. Solamo
Faculty Member
Department of Computer Science
College of Engineering
University of the Philippines, Diliman

Submitted by:
dela Cruz, Francis Zac
Jurquina, Angelo
Pangarungan, Nicko

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Revision Control

History Revision:

| <i>Revision Date</i> | <i>Person Responsible</i> | <i>Version Number</i> | <i>Modification</i> |
|---------------------------------|--------------------------------------|----------------------------------|--|
| 11/29/17 | Nicko Pangarungan | 1.0 | Initial Document; Control Class; Method; Input; Output; Program Logic |
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Control Class: BookEntryCreation

Program Specification (Method): `create_book_entry(int bookid, String title, String Author, List keywords, String status, String location, int quantity)`

Input:

bookid - integer value to represent and distinguish book entries
title - title of book
author - author of book
keywords - list of strings (words) that describe the content of the book
status - status of book whether on shelf, on loan, or not allowed for borrowing
location - place/user where the book is currently located (i.e. in library, userid)
quantity - number of books to add

Output:

Book-record

Program Logic:

DO

```
FIND Book-record with book_title = title
if match found
    Book-record.quantity += quantity
else
    CREATE Book-record
```

END