



*Application
Partitioning
in PowerBuilder®
Lab Workbook*

PowerBuilder[®] 5.0



Application Partitioning
with PowerBuilder®
Student Setup and Solutions
Disk 1 of 1

58670-10-0100-00 Win 3.x-final



Application Partitioning
with PowerBuilder®
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Application Partitioning
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Application Partitioning with PowerBuilder Lab Book

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Unit 1: Introduction

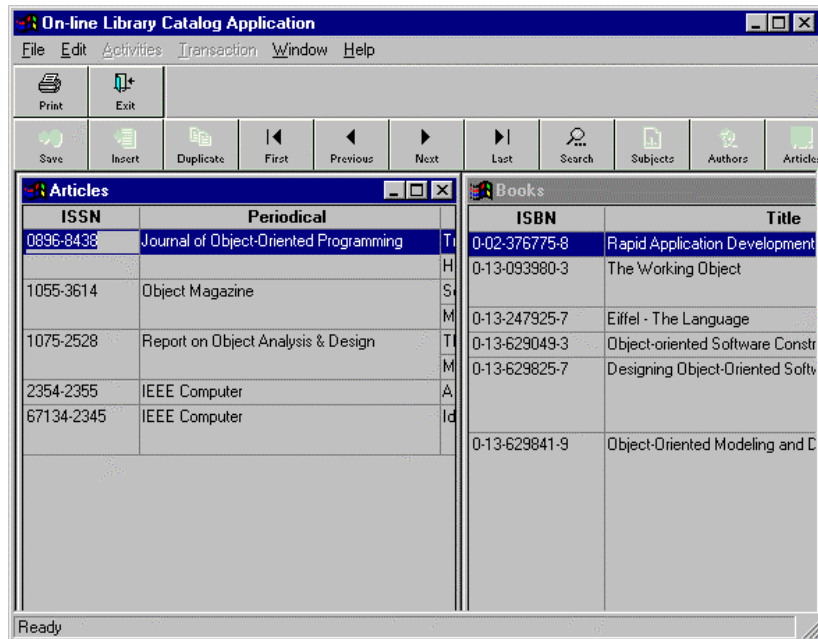
Lab 1-1: Online Library Catalog Walkthrough

Objective

Upon completion of this lab, you should be able to:

- Describe the Online Library Catalog application in detail

Description



In this lab, you run the completed Online Library Catalog application to get a general sense of how the application looks and feels. You will be using this library application for subsequent labs and examples.

Steps

1. Select the a_library_catalog_system application from LIBRARY.PBL in the C:\LIBRARY\SOLUTION subdirectory.
2. Make sure the following PBLs are in your library search path:
 - LIBRARY.PBL
 - LIB_C.PBL
 - SMP.PBL
 - PDP.PBL
 - UIP.PBL
 - GUI.PBL
 - ABSTRACT.PBL
3. You must connect to the Library database before running the library application. To do this, access the Database painter, click Cancel to bypass table selection, and then select File➤Configure ODBC.
4. From the list of installed drivers in the Configure ODBC dialog box, select Sybase SQL Anywhere 5.0, and then click Create.
5. Enter these values into the Sybase SQL Anywhere ODBC Configuration dialog box:

Data Source Name	Library
Description	Library Application Database
User ID	dba
Password	sql
Database file	C:\LIBRARY\LIBRARY.DB
Database location	Local

6. Once you have entered the database parameters, click OK and then Close to return to the Database painter.
7. Select File➤Connect. PowerBuilder should have added Library to your list of quick connect databases. Click Library to connect to the library application database.
8. Close the Database painter.
9. Run the application.

Test the search capability for a book by clicking the Search button in the toolbar.

6. Enter some information about a book. The table below lists four different search criteria for books that are in the database. After entering one of the values into the appropriate search criteria column, click the Do Search button in the toolbar to execute the search.

Case #	Search Criteria	Search Value
1	ISBN#	0-13-629841-9
2	Book Title	Object-Oriented Analysis
3	Author Lname	Meyer
4	Subject	Classes, Object-Oriented

12. The searching capabilities for the Online Library Catalog application are available to anyone. To maintain the underlying information, you must first log onto the system as a librarian. To do so, select File➤Librarian Login. For these labs, enter Dewey as the login ID and decimal as the login password.



13. After you successfully log onto the library system, the Administer menu should appear. Select Administer➤Authors.
14. Click New in the toolbar to add your favorite author to the list, and then click Save to update the database.
15. Select Administer➤Library Items to maintain items in the Online Library Catalog. This selection displays information about periodicals and books currently in the system. Note the addition of Check-In, Check-Out buttons in the toolbar.

16. Scroll to a book or periodical of your choice, and then click the Check-Out button.

At this point, the system displays an Item Check-Out window. Select a borrower, and then click OK to check out the item. Notice the date has been placed in the checked out column.

17. Click the Check-In button to check the item back into the system. Notice that the date no longer appears in the checked out column.
18. If a book is displayed, you can view its author(s) and subject(s). If a periodical is displayed, you can access a list of the articles in that periodical. Use these toolbar buttons to "drill" deeper into the system for each of the types of library items.
19. Log out of the Librarian mode by selecting File➤Librarian Logout.
20. Click Exit to quit the application.