

LIBRARY MANAGEMENT SYSTEM

INTRODUCTION

The Library management system is a multi-user Windows based application software that addresses the needs of an Institute. The package has been is designed keeping in mind the activities of an Institutional industry.

Conventional packages that exist suffer from platform constraints typically DOS that does not allow multi-user features and design constraints, which do not allow the flexibility to alterations. Also the future upgrade-ability of these packages is negligible. To that extent we have conceived the current application on open-ended design considerations and are attempting scalability.

FEATURES

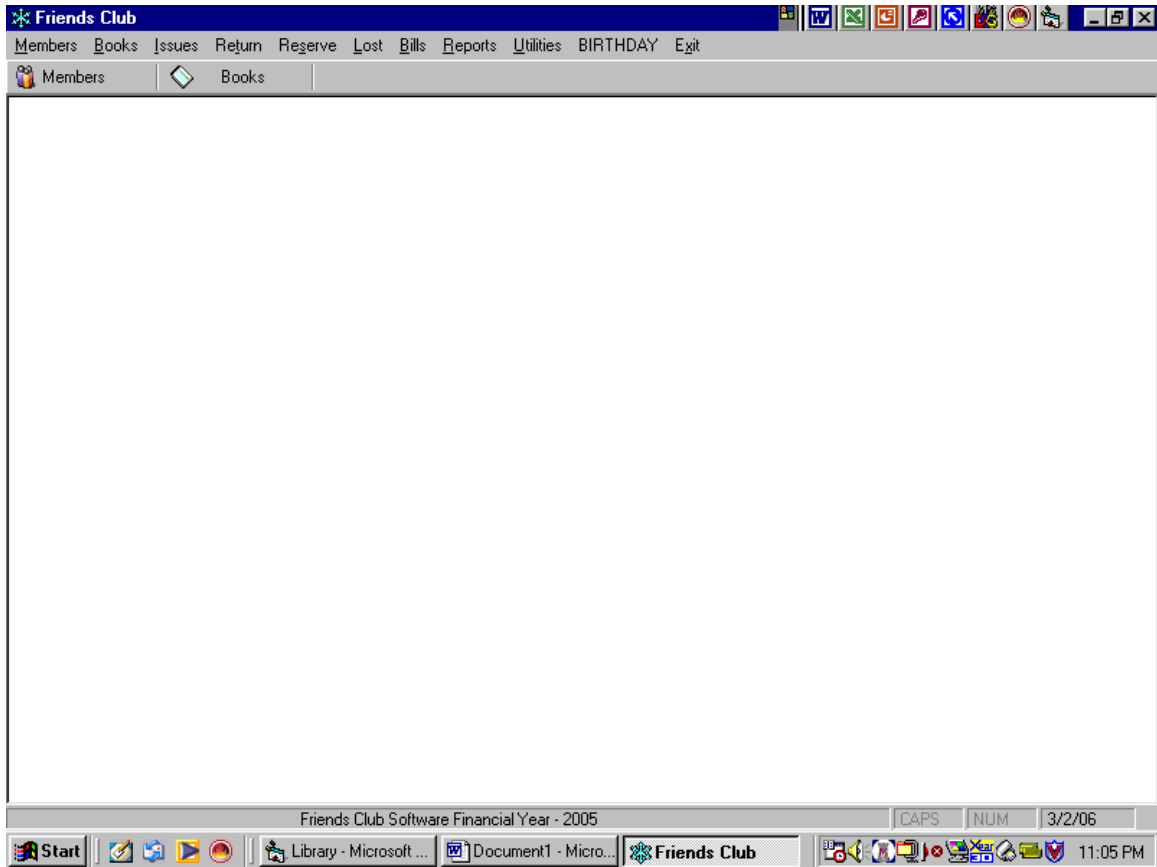
- Book details creation, deletion with Publisher details
- Creation, maintenance and **tracking of customer information**
- **Late book Reminders** and printout
- **Delayed book & Lost books bill** generation and printout
- Report on Issues>Returns
- Book movement details
- Display and printout of **Member history**

- Display and printout of **Book history**
- **User customizable** system and operational configuration settings
- Program access control, **data security, data backup** and clearing of database
- **Multi-User** Several users can use Software on several machines simultaneously. All these users can perform various tasks simultaneously.
- **User Friendly GUI** Environment Screen & interfaces are developed in Graphical User Interface environment. Users can learn the software in minimum number of days because of the user-friendliness of software.
- **Mouse & Keyboard Driven** - You can operate Software by using mouse as well as keyboard shortcut keys are helpful for fast accessing.
- **Easy Search** It is very easy for the user to find out any record depending upon any field on the form. Also user can navigate through records sequentially, for all records or on search results.
- **Grouped Results** In several reports grouping is done for getting results of that particular group like different Book Category, etc.
- **Password Protection Database & overall software** is password protected hence no one can use it directly without password.

- **Perfect Report Formation** Every report is well formatted so that user can understand it easily. Parameter values make report more efficient, well-formatted & quick result.
- **Backup Facility** In addition to the other capabilities, Software has special capability of Backing up your most Valuable data to prevent the accidental deletions or data loss.
- **Add Member and Book details with both names or item codes-**
Makes it easily adaptable for conventional DOS users who are accustomed with adding items with item codes.

Main Menu

Shown below is the main screen of the Library software



All the options are self explanatory

Member details

Shown below is the information that is stored for a Member

The screenshot displays the 'Friends Club - [Customers]' software interface. The main window is titled 'Friends Club - [Customers]' and has a menu bar with options: Members, Books, Issues, Return, Reserve, Lost, Bills, Reports, Utilities, BIRTHDAY, and Exit. Below the menu bar, there are tabs for 'Members' and 'Books'. The main area is divided into two sections: 'General Information' and 'Other Information'. The 'General Information' section contains the following fields:

- Member ID: 2200
- Joining Date: [Empty]
- Prefix: [Empty]
- First Name *: [Empty]
- Last Name: [Empty]
- Address *: [Empty]
- Area: [Empty]
- City: [Empty]
- PIN: 0
- Tel. Number *: 0 [Dial]
- Mobile: 0 [Dial]
- Tel. Number 2: 0

The 'Other Information' section contains the following fields:

- Company: [Empty]
- Address: [Empty]
- Area: [Empty]
- City: [Empty]
- PIN: 0
- Tel. Number: 0
- Tel. Number 2: 0

At the bottom of the form, there are buttons: Add, Edit, Delete, Save, Cancel, <<First, <Previous, Next>, Last>>, Close, and Print. On the right side, there is a search box with a 'Search' button and a list of members. The list is currently showing the member with ID 2200, MAHAJAN [405]. Other members listed include A. K. MOHATA [658], A. RAHMAN [38], A.D. BATRA [1151], A.D. MEHTA [1308], A.HAIDAR ALI [841], A.K. CHOWDHURY [564], A.K. GULATI [139], A.K. GUPTA [404], A.K. JAJU [746], A.K. KHERA [1296], A.K. MUKHERJEE [214], A.K. SANGHI [386], A.K. SHRINAGESH [326], A.K. TALWAR [295], and A.L. SAHNI [4]. A 'Refresh' button is located at the bottom of the list.

The status bar at the bottom of the window shows 'Friends Club Software Financial Year - 2005', 'CAPS NUM 3/2/06', and the system tray with the time '11:07 PM'.

Besides this, the Birthday, Marriage date and Spouse name are also stored.

Book details

Shown below is the information that is stored for a particular book

The screenshot displays the 'Friends Club - [Books Master]' software interface. The window title is 'Friends Club - [Books Master]'. The menu bar includes 'Members', 'Books', 'Issues', 'Return', 'Reserve', 'Lost', 'Bills', 'Reports', 'Utilities', 'BIRTHDAY', and 'Exit'. The 'Books' menu is active, showing 'Members' and 'Books' options.

The main window is divided into several sections:

- Form Fields:** Includes 'Book Code', 'Name', 'Author' (with dropdowns), 'Category' (with dropdown), 'PURCHASE Details' (with sub-fields for 'Publisher', 'Year of Publishing', 'Purchase Date', 'Amount', 'Discount', 'SHOP', and 'Phone'), 'Donated By' (with 'Date'), 'Lost Date', 'Lost remark', 'Booked By' (with a date field), and 'Issued To' (with 'Date').
- Search and List:** A 'Search:' field with a 'Starts With' dropdown and a list of 28 books. The list items are:
 - 2 HEAVY WEATHER
 - 3 PRESIDENTS LADY
 - 4 MR. FRUMBLE
 - 6 GRAVITY LESSONS
 - 7 CHRISTMAS AFFAIR
 - 8 RUNAWAY IMAGINATION
 - 9 WIDOW AND THE WASTREL
 - 10 ARCHIES DOUBLE DIGEST
 - 11 ANIMAL STORIES
 - 12 REBRL BRIDE
 - 13 ARE YOU MY MUMMY
 - 14 PARKER PYNE INVESTIGATES
 - 15 WHY DO WE LAUGH
 - 16 ARCHIES
 - 17 SNOW WHITE AND THE SEVEN DWARFS
 - 18 TEDDY TOWN STREET
 - 19 WIDEACRE
 - 20 CRABS GRAB
 - 21 HISTORY OF INDIA
 - 22 SPOT GOES TO THE FARM
 - 23 SPOT GOES TO THE SCHOOL
 - 24 SPOT BAKES A CAKE
 - 25 THE KITE RUNNER
 - 26 ARCHIES DOUBLE DIGEST
 - 27 SHAPES
 - 28 ARCHIES DOUBLE DIGEST
- Buttons:** 'Print Advanced' and 'Print' buttons are located below the list. At the bottom of the form are 'Add', 'Edit', 'Update', 'Cancel', 'Delete', and 'Close' buttons.

The status bar at the bottom shows 'Friends Club Software Financial Year - 2005', 'CAPS', 'NUM', and '3/2/06'. The Windows taskbar at the very bottom shows the Start button, taskbar icons for 'Library - Mic...', 'Document1 ...', 'Friends C...', and 'Control Panel', and the system clock showing '11:07 PM'.

Books Issue

Screen format for Issuing Books. Asks for the member to whom the book is being issued. The book code are entered in a loop to account for issue of more than one book to a member.

Friends Club - [Issue Books]

Members Books Issues Return Reserve Lost Bills Reports Utilities BIRTHDAY Exit

Members Books

Issue Books

Date: 02/03/2006

Member: 442

Name: SANJIV GUPTA

Address: 56-A/1, FRIENDS COLONY (EAST) NEW DELHI-110065

Phone: 26842917, 0, 23416515, 0, 9

Book: 3491

Name: CLASSICS GREAT LOVE ST

Author: D.H. LAWRENCE

Category: F/LAW

Publisher: CHANCELLOR

Code	Name	Due On	PCode	DOI

Total Books: 0

<<First <Previous Next> Last>>

Show Issued Only
 Between

Grace: 14 Due On: 16/03/2006

Add Edit Issue Cancel Close Print

Friends Club Software Financial Year - 2005 CAPS NUM 3/2/06

Start Library - Mic... Document1 ... Friends C... Control Panel 11:08 PM

Books Return

Screen format for Returning Books.

If the User enters the Member code/name, then the Books issued to the member are displayed and the books which are being returned can be marked.

Similarly if the Book details are entered first, then the member details are shown automatically

Return Books

Date Of Issue: 03/02/2006 Date Of Return: 02/03/2006

Member: 1233 Name: RAJIV THAPAR
Address: B-53, FRIENDS COLONY (WEST) NEW DELHI-110065
Phone: 26846989, 0, 0, 0, 9810688724

Book: Name: Author: Category: Publisher:

Code	Name	DOR	PCode	D
<input type="checkbox"/> 7222	D C COMICS XMEN	11/02/2006	1233	2
<input type="checkbox"/> 7227	D C COMICS SPIDERM...	11/02/2006	1233	2
<input type="checkbox"/> 7220	D C COMICS HULK	26/02/2006	1233	1

00 <<First <Previous Next >>Last

Grace: Due On: Show Today Only Between

Add Edit Return Cancel Close Print

Friends Club Software Financial Year - 2005 CAPS NUM 3/2/06 11:08 PM

Lost books

Screen format for marking Lost Books is shown below

If the User enters the Member code/name, then the Books issued to the member are displayed.

Then the detail of the Lost book are selected and the same is marked.

A bill is automatically generated for the cost of the lost book and late fees, if any

Lost Books

Date Of Issue: 02/03/2006 Date Of Loosing: 21/05/2005

Member: 1233

Name: RAJIV THAPAR

Address: B-53, FRIENDS COLONY (WEST) NEW DELHI-110065

Phone: 26846989, 0, 0, 0, 9810688724

Book:

Name:

Author:

Category:

Publisher:

Due On:

Code	Name	Date Lost	PCode

<<First <Previous Next> Last>

Show Lost Only
 Between

Add Edit Mark Lost Cancel Close

Friends Club Software Financial Year - 2005 CAPS NUM 3/2/06

Start Library - Mic... Document1 ... Friends C... Control Panel 11:09 PM

Bills

The Bills can be maintained through the menu shown below. This gives User flexibility to modify and re-print any particular Bill

BILL

Bill No. 614 Bill Date 01/03/2006 Bill Time 15:39

Member SANJIV GUPTA 442

Sno.	Item	Days/Qty	Fine	Amount
9502	OUTLOOK TRAVELLER MUMBAI - Late Fine	2	1.00	2.00
9502	OUTLOOK TRAVELLER MUMBAI - Lost Book	1	225.00	225.00

Amount 227.00

609
610
611
612
613
614

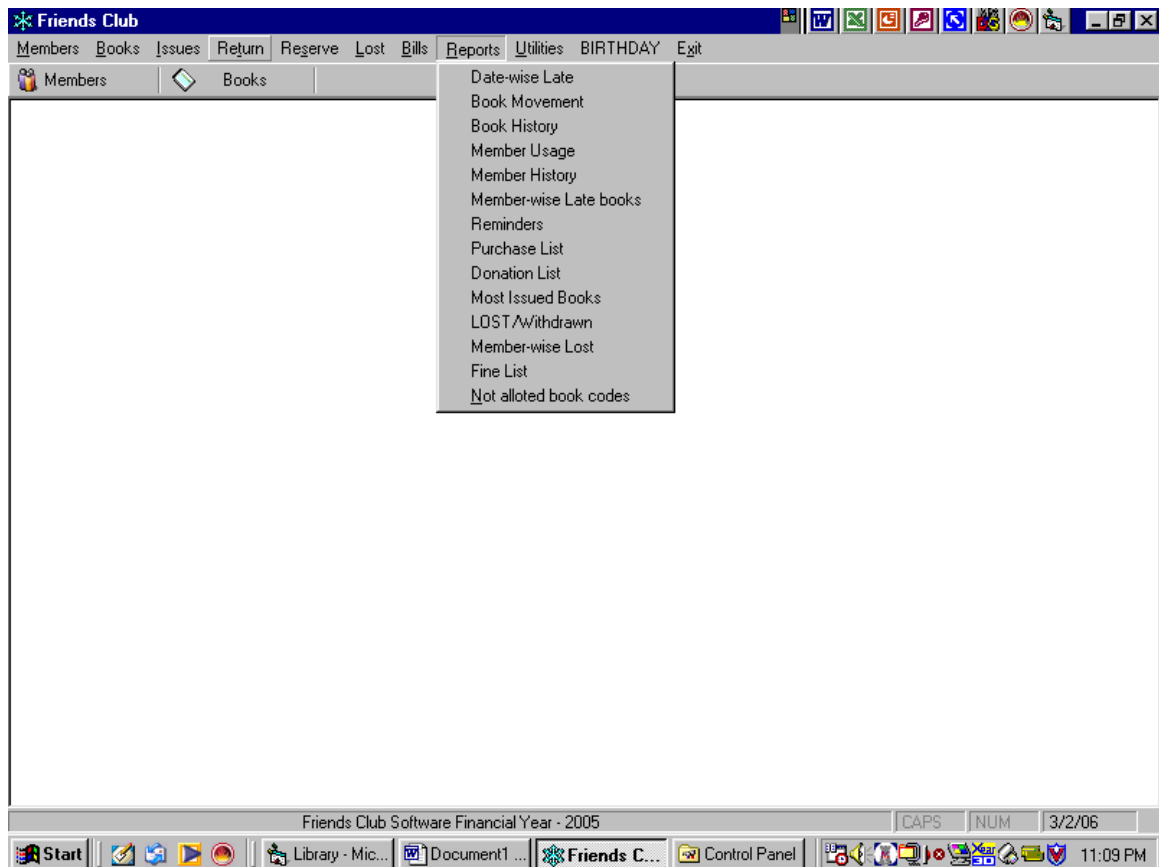
Quit

Friends Club Software Financial Year - 2005 CAPS NUM 3/2/06 11:09 PM

Reports

The reporting module is a very powerful tool to control the flow of books and overdue books.

An effective tracking program will point out overdues and the fine to be imposed for Late returns.



Various reports are as under -

Date-wise Late book details – List of books overdue

Book Movement – Shows the Issue and Return details of books

Book History – The list of members who have issued a particular book to judge the popularity

Member Usage – This lists the frequency of books issued to different members

Member History – Shows the books issued by a particular member

Member-wise Late books - Member wise details of Books overdue

Reminders – Three types of Reminders for over due books

Purchase List – List showing Publisher details, Cost of book, Discount if received

Donation List – Report of books which have been Donated by Members

Most issued books – Shows the books in the descending order of issues

Lost books – Details of Lost books

Member-wise Lost – Details of Lost books on basis of Members

Fine list – List of Fine received on Late books

Not allotted book codes – This list gives the report of books which are not in use and whose details have been deleted.

All the reports ask for the following information

Friends Club - [MIS Report]

Members Books Issues Return Reserve Lost Bills Reports Utilities BIRTHDAY Exit

Members Books

Report

Starting Date: 02/02/06 Ending Date: 02/03/06

Starting Member: 2 Ending Member: 2200

Starting Book: 2 Ending Book: 11129

Show Close

Friends Club Software Financial Year - 2005 CAPS NUM 3/2/06

Start Library - Mic... Document1 ... Friends C... Control Panel 11:10 PM

List showing Birthday/Anniversary of Members

The screenshot shows the 'Friends Club' software interface. A 'Birthday Alerts' dialog box is open, displaying a list of members and their upcoming birthdays or anniversaries for the date 3/2/06. The dialog box has a 'Show' button and a 'Close' button. The main window has a menu bar with options: Members, Books, Issues, Return, Reserve, Lost, Bills, Reports, Utilities, BIRTHDAY, and Exit. The status bar at the bottom indicates 'Friends Club Software Financial Year - 2005' and the date '3/2/06'.

Member ID	Member Name	Event
189	K.L. VERMA	- Birthday
43	VICKY SURI	- Birthday
1483	SHIVAMI KUMAR	- Birthday
416	IPINDER SINGH	- Birthday
1762	MRS. JYOTSANA SHARMA	- Birthday
161	MANJIT SINGH KHERA	- Anniversary

We Made It

EASY

Library Software is intuitive...even training has been a made easier with User friendly and informative screens.

We Made It

FAST

Searching for member information and book information is fast. Even details of issued books is available in few seconds.

We Made It

ACCURATE

Books exceeding the due dates are reflected in reports. We provide accuracy and flexibility effortlessly leaving no room for errors.

We built in

CONTROLS

Ease of use, speed and accuracy are essential in any software but to effectively manage your Library you need back office controls for the accounts department. Our reporting is very effective for this purpose. Late fine bills and Bills for Lost book are automatically generated leaving no scope for errors.