

Appendix A

Test Data

Subscriber Table
First Half
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Subscriber ID	National ID	Registered	Surname	Initials	Subscriber title	Borrowing limit	Borrowing Fee	Loan Period
10000abc	22 751294 P77	06/03/2000	Gurajena	T	Mrs	20	450	0014
20000def	29 147385 K85	12/02/2000	Mhiribidi	S	Mr	1	300	0021
21058prc	35 277382 P79	10/05/1987	Motsi	R	Miss	5	450	0014
37652xyz	17 125981 T12	25/05/2000	Mhiribidi	S	Dr	7	200	0114
52712prs	13 189365 J41	30/09/2000	Takawira	J K	Prof	3	300	0007
60000jkl	21 367258 r16	11/06/1999	Mandoreba	H R	Miss	12	250	0014
65502gta	39 032758 A45	01/01/2000	Rusheil	G H	Mr	3	450	0007
70000dnh	32 528673 k37	12/07/2000	Mafuva	T	Mr	1	300	0021

Subscriber Table

Second Half

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Subscriber ID	Expiry date	Home address	Home Phone Number	Contact Address	Contact Phone Number	Remark
10000abc	06/09/2000	P O Box 241 Masvingo	(none)	(none)	(none)	(none)
20000def	12/05/2000	P Bag 7012 Chiredzi	031-2811	Mkwasine Estate Admin A Chiredzi	031-246919	(none)
21058prc	09/05/2000	P O Box M50 Makuvatsine Chiredzi	031 246919	Somabhula Primary School P O Somabhula Gweru	(none)	(none)
37652xyz	25/08/2000	7 Baobab Av Lochinvar Harare	04-627421	UNHCR P Bag CY456 Causeway Harare	04-635753	(none)
52712prs	30/09/2001	27 Westwood Southdowns Gweru	054 58267	Sports Commision Hurudza House Gweru	054 53871	(none)
60000jkl	10/06/2004	1340 Mandava Zvishavane	051 3296	Temple House Victoria High School Masvingo	039 62905	(none)
65502gta	31/12/2000	14 Acturus Av Highlands Harare	04 625738	Rusheil Distribution 99 Nelson Mandela Harare	04 679836	(none)
70000dnh	11/07/2001	23 Canada Drive Braeside Harare	04 236548	(none)	(none)	(none)

Terminated Subscriptions Table
Page 1 of 3

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Subscriber ID	Deregistered	Reason	National ID	Registered on	Surname	Initials	Subscriber title	Borrowing limit
98765qwe	01/08/2000	Bonafied Guest	12 456798 R34	01/08/2000	Simbakamwe	JK	Prof	2

Terminated Subscriptions Table
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Subscriber ID	Expiry date	Borrowing Fee	Loan Period	Remark	cancellation remark
98765qwe	02/08/2000	345	0001	Bonafied guest	(none)

Terminated Subscriptions Table
Page 3 of 3

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Subscriber ID	Home address	Home Phone Number	Contact Address	Contact Phone Number
98765qwe	Guest House Mkwasine Estate Chiredzi	031 2811	(none)	(none)

Books Table

First Half

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Book Number	Date registered	Book Title	Book author	Borrowing fee	Loan period	Loanable
1	01/01/1982	Revelations;Commentary on	Camelot E	350	0121	True
2	12/09/1991	Relativity; Theory of	Andrakatta	375	0028	True
3	10/05/1987	English Etiquette	Laraka D; Dr	350	0007	True
4	01/01/1982	International Trade	Gatak S	300	0121	True
5	23/03/1981	Aquifers	Waugh D	250	0100	True
6	25/08/1979	Immunity	Rabin H	150	0021	True
8	23/07/1983	Exponential Functions	Malakov P; Dr	400	0007	True
9	01/01/1982	Galaxies near us	Peter G; Prof	100	0014	True
10	17/05/1983	Evolution;Fact or Fiction	Zivanai K; Prof	450	0128	False
12	31/08/1992	Small Orange	Clarista C	250	0014	True
15	01/01/1990	Thhe Inorganic	Lipraka C	300	0314	True
17	22/10/1987	The art of War	Picard J L;Lt	100	0200	True
37	28/02/1982	International trade: Qtns	Gatak S	300	0014	True

Books Table

Second Half

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Book Number	Class	Dewey	ISBN	Publisher	Supplier	Remark
1	Divinity	200	0 582 04091 4	Longman	700 Club	Donation
2	Physics	800	0 748 70559 7	Stanely Thornes	Textbook Sales	(none)
3	Customs	600	1 858 05162 2	Letts	Kingstones	Donation
4	Economics	100	0 03661585 9	Macmillan	Tiger Distribution	Qtn Bk : 37
5	Geology	700	0 333 51198 0	Macmillan	Rachel Import/Export	(none)
6	Zoology	300	0 273 03912 8	Pitman	Mambo	(none)
8	Maths	500	0 192 80029 9	OUP	MIC Distributions	(none)
9	Astronomy	900	0 273 60260 8	Pitman	Belmont	Disk Pack : 67Ast
10	History	400	0 719 55034	John Murray	(none)	Donation
12	Fiction	300	1 713 52364 6	Bell Hyman	ELBS	(none)
15	Fiction	300	0 859 50520 4	Stanely Thornes	(none)	(none)
17	Biography	750	0 679 87225 6	Federal Defense Press	(none)	(none)
37	Economics	100	0 033 61586 7	Macmillan	Tiger Distribution	Main Bk : 4

Deregistered Books Table
First Half

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Book Number	Date registered	Deregistered	Reason	Book Title	Book author	Borrowing fee	Loan period
7	26/07/2000	01/08/2000	Missing	The Aculpulco heat	Korad H	450	0014
56	25/08/1982	01/08/2000	Loan expired	The Cameo Islands	Dr H Hodd	1000	0003

Deregistered Books Table
Second Half

© *Motsi Tinovimba G*

Book Number	Loanable	Dewey	Class	ISBN	Publisher	Supplier	Remark	cancellation remark
7	True	1245	Drama	7 890654 X	Disney	(none)	(none)	(none)
56	True	567	Geography	0 5678954 X	Inka Publishers	(none)	On long term loan	(none)

Appendix B

Test Results

Subscribers Form	2
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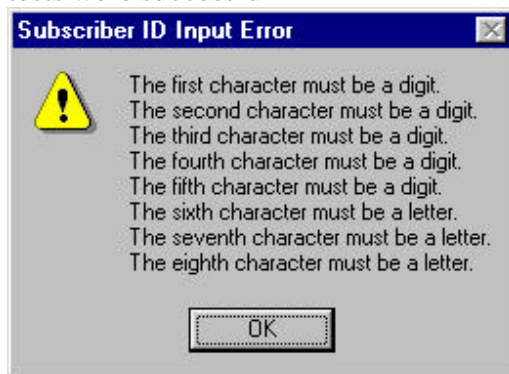
Subscribers Form

Test 1.01: Results as expected

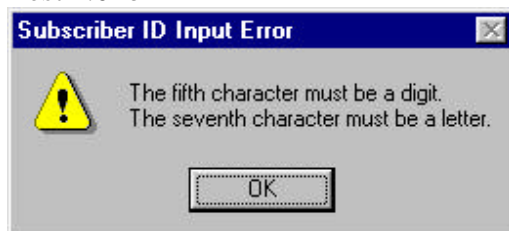


Test 1.02a

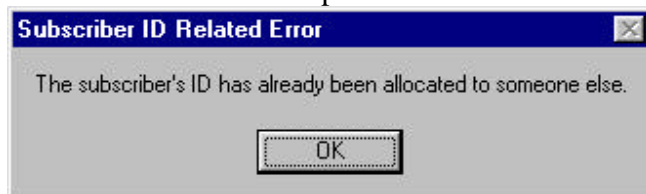
The Initial test would only report the last error in the field. This was because the program was replacing instead of concatenating the strings. The problem was fixed and further tests were successful



Test 1.02b



Test 1.03a: Results as expected



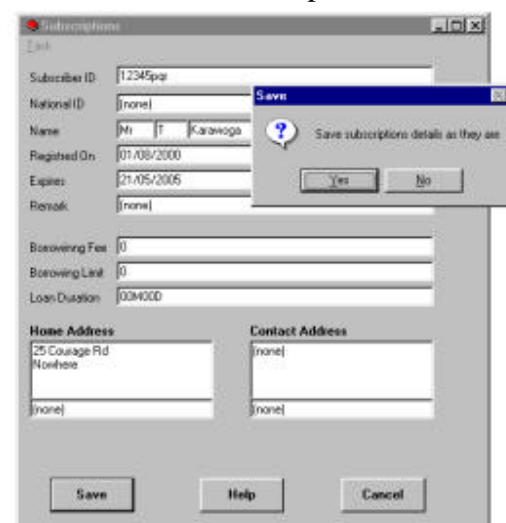
Test 1.03b: Results as expected



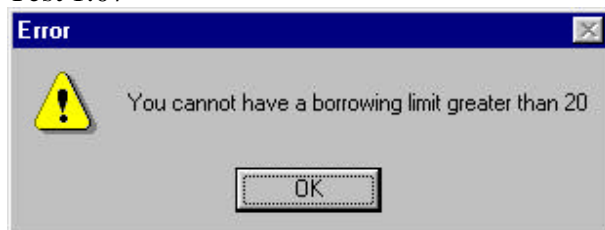
Test 1.05a: Results as expected



Test 1.06: Results as expected



Test 1.07



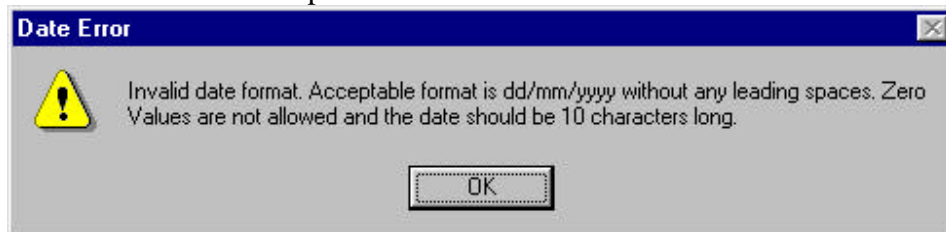
Test 1.08

Results as expected; Similar to 1.07

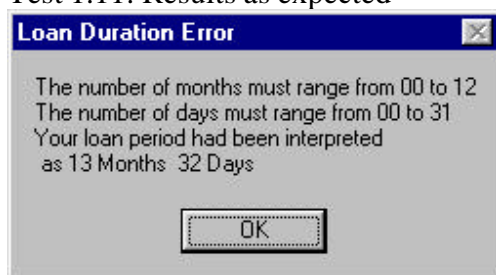
Test 1.09

The initial test revealed that the program was treating the valid range as 1900 to 2100. This was corrected and further tests were successful

Test 1.10: Results as expected



Test 1.11: Results as expected



Tests 1.12 to 1.20

The results were as expected. Please verify with the testing database included as a sample.

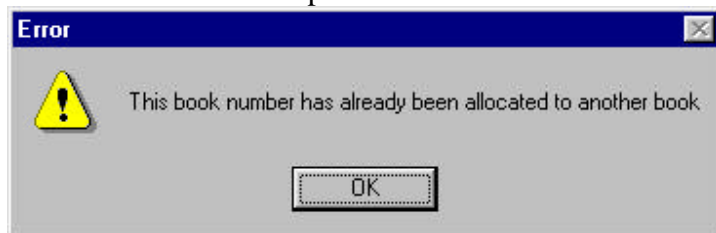
Test 1.21

A Windows-style form titled "Subscriptions". It contains several input fields for subscriber information: Subscriber ID (20000def), National ID (31 147385 K65), Name (U P Mhabid), Registered On (Tuesday 1 June 1999), Expires (Wednesday 31 May 2000), Remark (Invoice 239/1999), Borrowing Fee (\$ 7.00), Borrowing Limit (\$), and Loan Duration (03M21D). There are sections for Home Address (Airforce of Zim, Thornhill Air Base, Marikal Qt, 054 52278) and Contact Address (1 Humewood Av, Southdowns, Gweru, 054 52725). At the bottom, there are fields for "Books borrowed ..." and "Books requested ...", and three buttons: "<< Previous", "Next >>", and "Close".

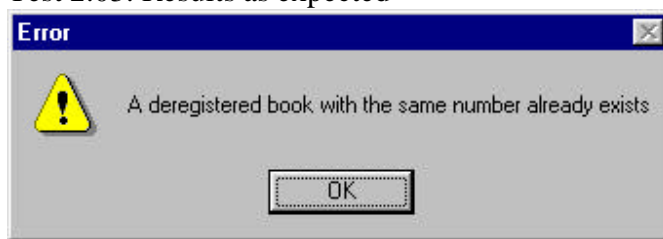
Books Form

Most of the tests in this section are based on code shared with the Subscriptions form. The results are therefore identical and although the tests will be carried out, no screen shots will be provided for most of the tests. You may verify these tests using the testing database included as part of the samples.

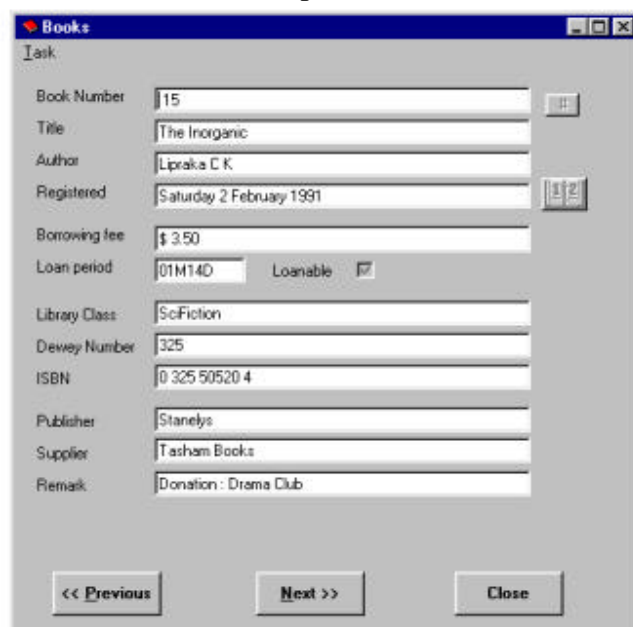
Test 2.02: Results as expected



Test 2.03: Results as expected



Test 2.12: Results as expected

A screenshot of the 'Books' form. The title bar says 'Books'. Below the title bar is a 'Task' label. The form contains several input fields and checkboxes. The data entered is as follows:

Field	Value
Book Number	15
Title	The Inorganic
Author	Lpraka C K
Registered	Saturday 2 February 1991
Borrowing fee	\$ 3.50
Loan period	01M14D
Loanable	<input checked="" type="checkbox"/>
Library Class	SciFiction
Dewey Number	325
ISBN	0 325 50520 4
Publisher	Stanelys
Supplier	Tasham Books
Remark	Donation : Drama Club

At the bottom of the form are three buttons: '<< Previous', 'Next >>', and 'Close'.

Loans and Requisitions

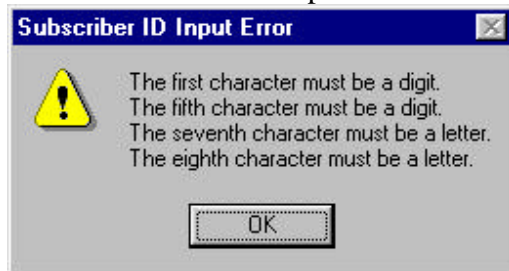
Test 3.01: Results as expected



Test 3.02: Results as expected



Test 3.03: Results as expected



Test 3.04: Results as expected

See test 3.06

Test 3.05: Results as expected



Test 3.06: Results as expected

The screenshot shows the 'Borrow' application window. It contains a form with the following fields and values:

Subscriber ID: 37652xyz	
Details	
Name	Dr S Mhiribidi
Expires	Monday 25 September 2000
Borrowed	0 (# 0)
Can Borrow	7
Requested	0 (# 0)
Can Request	0
Books	
Books	4
Title	Aquifers
Author	Waugh D
Total Cost	\$ 7.00

At the bottom of the window are three buttons: 'New', 'Help', and 'Close'.

Test 3.08

The screenshot shows the 'Borrow' application window. It contains a form with the following fields and values:

Subscriber ID: 37652xyz	
Details	
Name	Dr S Mhiribidi
Expires	Monday 25 September 2000
Borrowed	0 (# 0)
Can Borrow	7
Requested	0 (# 0)
Can Request	0
Books	
Books	3
Title	English Etiquette
Author	Laraka D: Dr
Total Cost	\$ 10.50

At the bottom of the window are three buttons: 'New', 'Help', and 'Close'.

Test 3.11: Results as expected

The screenshot shows a small dialog box titled 'Borrow'. It contains the following text:

This book has already been loaned out.

At the bottom of the dialog box is an 'OK' button.

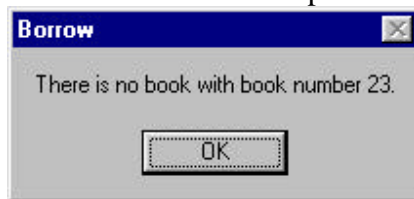
Test 3.12: Results as expected



Test 3.13: Results as expected



Test 3.14: Results as expected



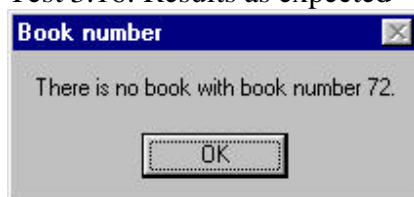
Tests 3.07-3.10 & 3.15: Results as expected

A screenshot of the Microsoft Access application window. The title bar says "Microsoft Access". The menu bar includes File, Edit, View, Insert, Format, Records, Tools, Window, and Help. The toolbar contains various icons for file operations and data manipulation. The main window displays a table titled "Books borrowed table : Table". The table has four columns: Subscriber ID, Book number, Date borrowed, and Date due. The data is as follows:

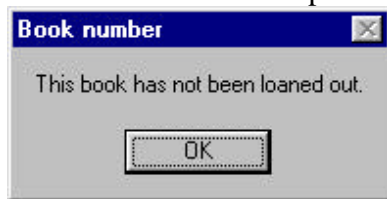
Subscriber ID	Book number	Date borrowed	Date due
37652xyz	5	18/09/00	22/10/00
37652xyz	3	18/09/00	01/11/00
37652xyz	6	18/09/00	09/10/00
37652xyz	2	18/09/00	16/10/00
37652xyz	17	18/09/00	18/11/00
37652xyz	12	18/09/00	02/10/00
37652xyz	8	18/09/00	25/09/00
60000jkl	9	18/09/00	02/10/00
60000jkl	4	18/09/00	08/11/00
60000jkl	1	18/09/00	08/11/00

At the bottom of the table, it says "Record: 11 of 11". The status bar at the bottom shows "Datasheet View" and "NUM".

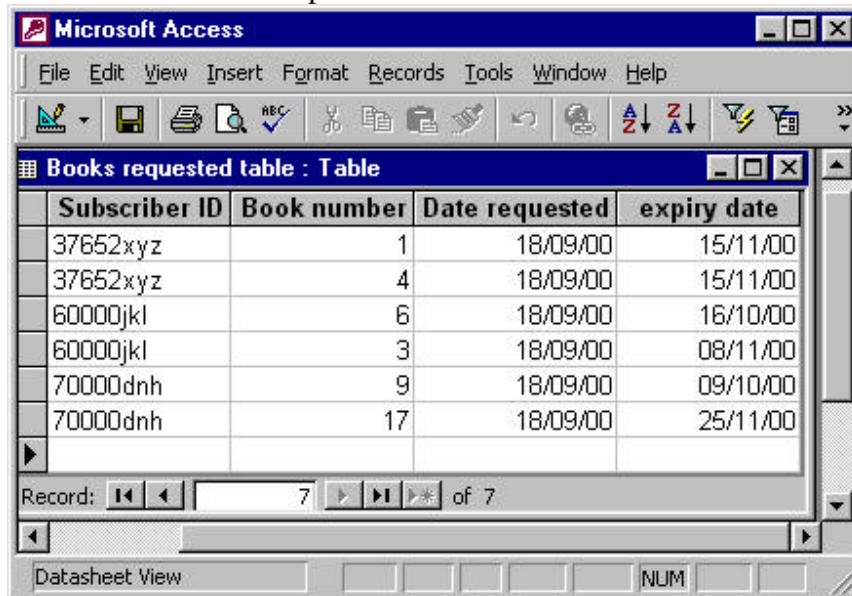
Test 3.16: Results as expected



Test 3.17: Results as expected



Test 3.18: Results as expected



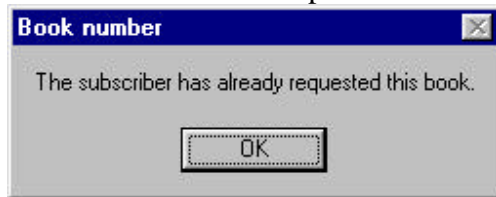
Test 3.19: Results as expected



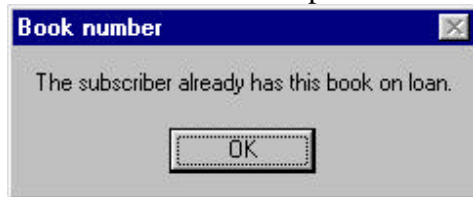
Test 3.20: Results as expected



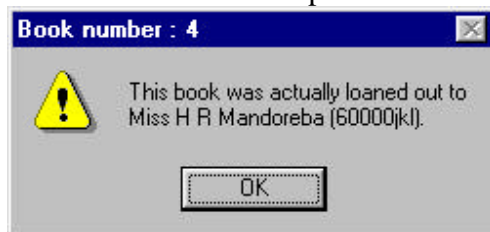
Test 3.21: Results as expected



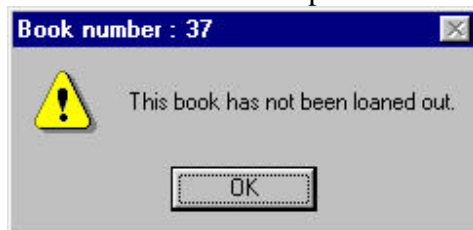
Test 3.22: Results as expected



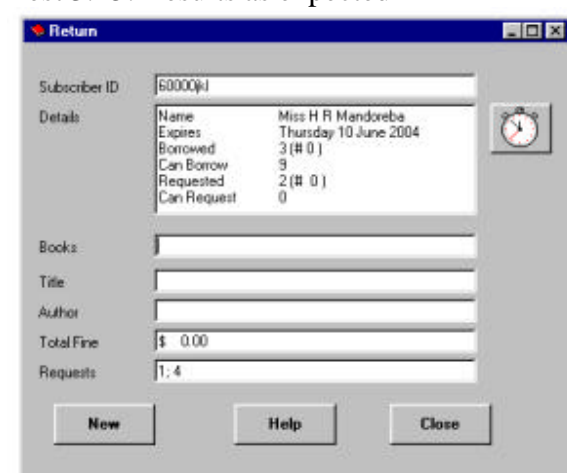
Test 3.23: Results as expected



Test 3.24: Results as expected



Test 3.25: Results as expected



Test 3.26: Results as expected



Microsoft Access

File Edit View Insert Format Records Tools Window Help

Books requested table : Table

Subscriber ID	Book number	Date requested	expiry date
37652xyz	1	18/09/00	15/11/00
#Deleted	#Deleted	#Deleted	#Deleted
60000jkl	6	18/09/00	16/10/00
60000jkl	3	18/09/00	08/11/00
70000dnh	9	18/09/00	09/10/00
70000dnh	17	18/09/00	25/11/00

Record: 7 of 7

Datasheet View

Microsoft Access - [Books borrowed table : Table]

File Edit View Insert Format Records Tools Window Help

Books borrowed table : Table

Subscriber ID	Book number	Date borrowed	Date due
37652xyz	5	18/09/00	22/10/00
37652xyz	3	18/09/00	01/11/00
37652xyz	2	18/09/00	16/10/00
37652xyz	17	18/09/00	18/11/00
37652xyz	12	18/09/00	02/10/00
37652xyz	8	18/09/00	25/09/00
37652xyz	4	19/09/00	09/11/00
60000jkl	9	18/09/00	02/10/00
*			

Record: 7 of 8

Datasheet View

Test 3.27: Results as expected

Subscriber ID	37652xyz												
Details	<table><tr><td>Name</td><td>Dr S Mhizidi</td></tr><tr><td>Expires</td><td>Monday 25 September 2000</td></tr><tr><td>Borrowed</td><td>7 (# 2)</td></tr><tr><td>Can Borrow</td><td>0</td></tr><tr><td>Requested</td><td>1 (# 0)</td></tr><tr><td>Can Request</td><td>1</td></tr></table>	Name	Dr S Mhizidi	Expires	Monday 25 September 2000	Borrowed	7 (# 2)	Can Borrow	0	Requested	1 (# 0)	Can Request	1
Name	Dr S Mhizidi												
Expires	Monday 25 September 2000												
Borrowed	7 (# 2)												
Can Borrow	0												
Requested	1 (# 0)												
Can Request	1												
Books	12												
Title	Small Orange												
Author	Clarissa C												
Total Fine	\$ 75.06												
Requests													

New Help Close

3.28a: Results as expected

The limit is given by (Borrowed + Can Borrow)

Subscriber ID	60000jkl												
Details	<table><tr><td>Name</td><td>Miss H R Mandoreba</td></tr><tr><td>Expires</td><td>Thursday 10 June 2004</td></tr><tr><td>Borrowed</td><td>1 (# 1)</td></tr><tr><td>Can Borrow</td><td>6</td></tr><tr><td>Requested</td><td>2 (# 0)</td></tr><tr><td>Can Request</td><td>0</td></tr></table>	Name	Miss H R Mandoreba	Expires	Thursday 10 June 2004	Borrowed	1 (# 1)	Can Borrow	6	Requested	2 (# 0)	Can Request	0
Name	Miss H R Mandoreba												
Expires	Thursday 10 June 2004												
Borrowed	1 (# 1)												
Can Borrow	6												
Requested	2 (# 0)												
Can Request	0												

3.28b: Results as expected


Subscriber ID	60000jkl												
Details	<table><tr><td>Name</td><td>Miss H R Mandoreba</td></tr><tr><td>Expires</td><td>Thursday 10 June 2004</td></tr><tr><td>Borrowed</td><td>1 (# 1)</td></tr><tr><td>Can Borrow</td><td>11</td></tr><tr><td>Requested</td><td>2 (# 0)</td></tr><tr><td>Can Request</td><td>0</td></tr></table>	Name	Miss H R Mandoreba	Expires	Thursday 10 June 2004	Borrowed	1 (# 1)	Can Borrow	11	Requested	2 (# 0)	Can Request	0
Name	Miss H R Mandoreba												
Expires	Thursday 10 June 2004												
Borrowed	1 (# 1)												
Can Borrow	11												
Requested	2 (# 0)												
Can Request	0												

3.28c: Results as expected

Subscriber ID	60000jkl												
Details	<table><tr><td>Name</td><td>Miss H R Mandoreba</td></tr><tr><td>Expires</td><td>Thursday 10 June 2004</td></tr><tr><td>Borrowed</td><td>1 (# 1)</td></tr><tr><td>Can Borrow</td><td>4</td></tr><tr><td>Requested</td><td>2 (# 0)</td></tr><tr><td>Can Request</td><td>0</td></tr></table>	Name	Miss H R Mandoreba	Expires	Thursday 10 June 2004	Borrowed	1 (# 1)	Can Borrow	4	Requested	2 (# 0)	Can Request	0
Name	Miss H R Mandoreba												
Expires	Thursday 10 June 2004												
Borrowed	1 (# 1)												
Can Borrow	4												
Requested	2 (# 0)												
Can Request	0												

3.28d: Results as expected

Subscriber ID	60000jkl	
Details	Name	Miss H R Mandoreba
	Expires	Thursday 10 June 2004
	Borrowed	1 (# 1)
	Can Borrow	9
	Requested	2 (# 0)
	Can Request	0




3.29a: Results as expected

Return


Subscriber ID: 70000drh

Details:

Name	Mr T Maluva
Expires	Wednesday 11 July 2001
Borrowed	0 (# 0)
Can Borrow	0



Subscriber Details

 The subscriber has exceeded his/her borrowing limit by: 2 books.

Book Title:

Author:

Total Fine:

Requests:

Buttons: New, Help, Close


3.29b: Results as expected

Return


Subscriber ID: 70000drh

Details:

Name	Mr T Maluva
Expires	Wednesday 11 July 2001
Borrowed	0 (# 0)
Can Borrow	0



Subscriber Details

 The subscriber has exceeded his/her borrowing limit by: 1 book.

Book Title:

Author:

Total Fine:

Requests:

Buttons: New, Help, Close

Search Form

4.10

Search Results

File

Match 5 of 5

Book number	17
Date registered	Thursday 22 October 1987
Title	The art of War
Author	Picard J L.Lt
Borrowing fee	\$ 1.00
Loan period	02 Month(s) 00 Day(s)
Publisher	Federal Defense Press
Supplier	(none)
Dewey number	750
Class	Biography
ISBN	0 679 87225 6
Remark	(none)

LOAN DATA

Out to	37652xyz - Dr S Mhizibi
Borrowed on	Monday 18 September 2000
Due on	Saturday 18 November 2000

REQUISITION DATA

Requested by	70000dnh - Mr T Maluva
Requested on	Monday 18 September 2000
Expires on	Saturday 25 November 2000

<< Previous Next >> Close

Test 4.17: Alignment problems but results otherwise OK

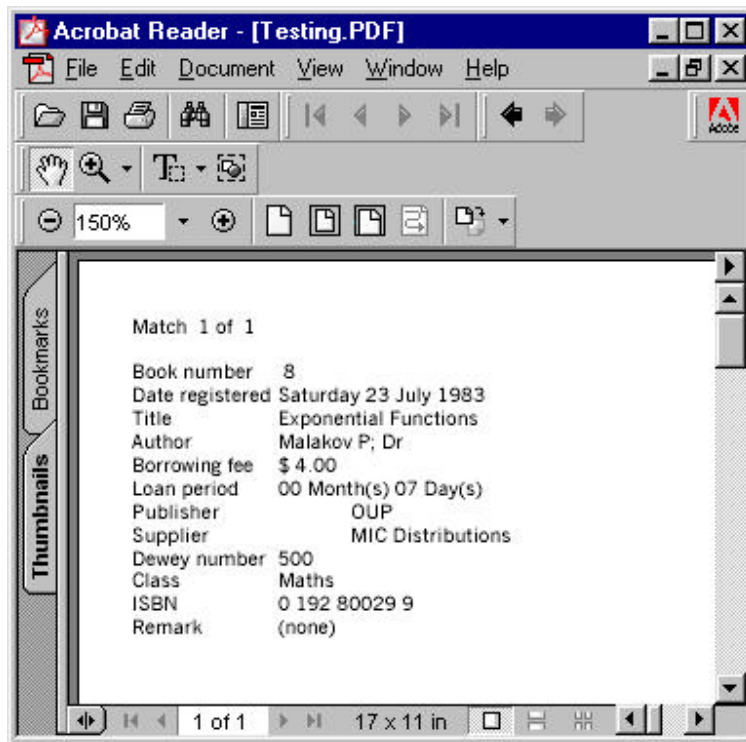
test 4 09 - Notepad

File Edit Search Help

Match 1 of 1

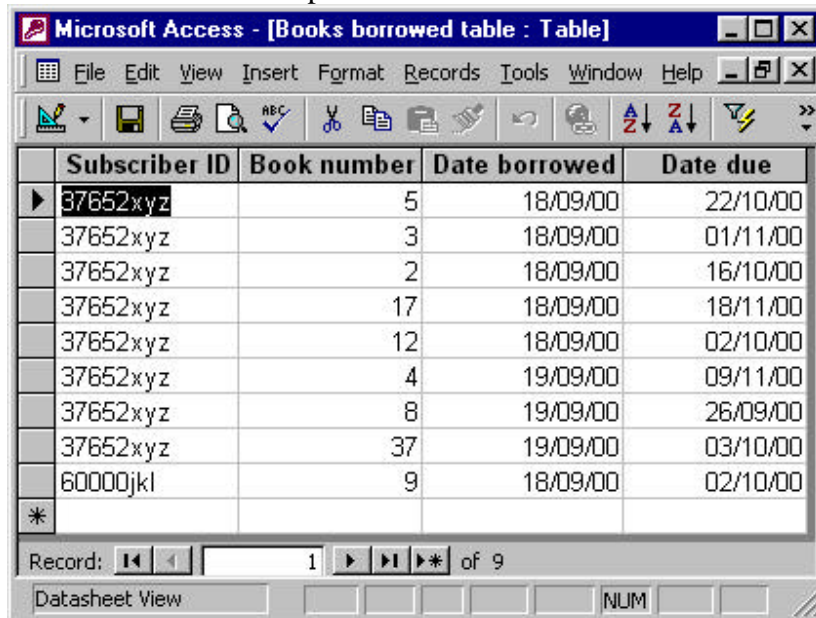
Book number	8
Date registered	Saturday 23 July 1983
Title	Exponential Functions
Author	Malakov P; Dr
Borrowing fee	\$ 4.00
Loan period	00 Month(s) 07 Day(s)
Publisher	OUP
Supplier	MIC Distributions
Dewey number	500
Class	Maths
ISBN	0 192 80029 9
Remark	(none)

Test 4.18: Alignment problems but results otherwise OK
Simulated On the Adobe PDF Writer

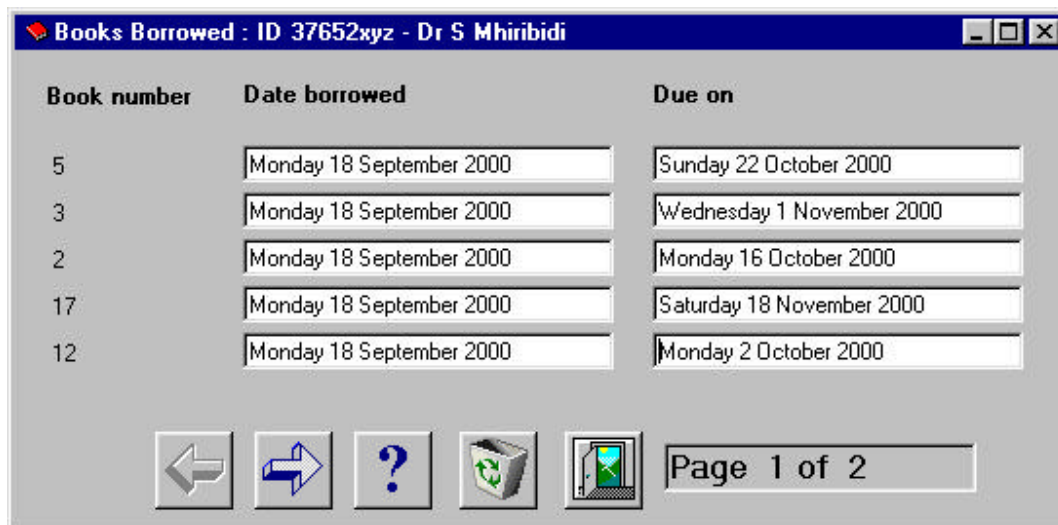


Requisitions and Loan Management

Test 5.01: Results as expected








Subscriber ID	Book number	Date borrowed	Date due
37652xyz	5	18/09/00	22/10/00
37652xyz	3	18/09/00	01/11/00
37652xyz	2	18/09/00	16/10/00
37652xyz	17	18/09/00	18/11/00
37652xyz	12	18/09/00	02/10/00
37652xyz	4	19/09/00	09/11/00
37652xyz	8	19/09/00	26/09/00
37652xyz	37	19/09/00	03/10/00
60000jkl	9	18/09/00	02/10/00



Book number	Date borrowed	Due on
5	Monday 18 September 2000	Sunday 22 October 2000
3	Monday 18 September 2000	Wednesday 1 November 2000
2	Monday 18 September 2000	Monday 16 October 2000
17	Monday 18 September 2000	Saturday 18 November 2000
12	Monday 18 September 2000	Monday 2 October 2000

Books Borrowed : ID 37652xyz - Dr S Mhiribidi






Book number	Date borrowed	Due on
4	Tuesday 19 September 2000	Thursday 9 November 2000
8	Tuesday 19 September 2000	Tuesday 26 September 2000
37	Tuesday 19 September 2000	Tuesday 3 October 2000






Page 2 of 2

Test 5.02-5.04


Books Borrowed : ID 37652xyz - Dr S Mhiribidi

Book number	Date borrowed	Due on
5	Monday 18 September 2000	Saturday 25 November 2000
3	Monday 18 September 2000	Thursday 12 October 2000
2	Monday 18 September 2000	Monday 18 September 2000
17	Monday 18 September 2000	Saturday 18 November 2000
12	Monday 18 September 2000	Monday 2 October 2000






Page 1 of 2

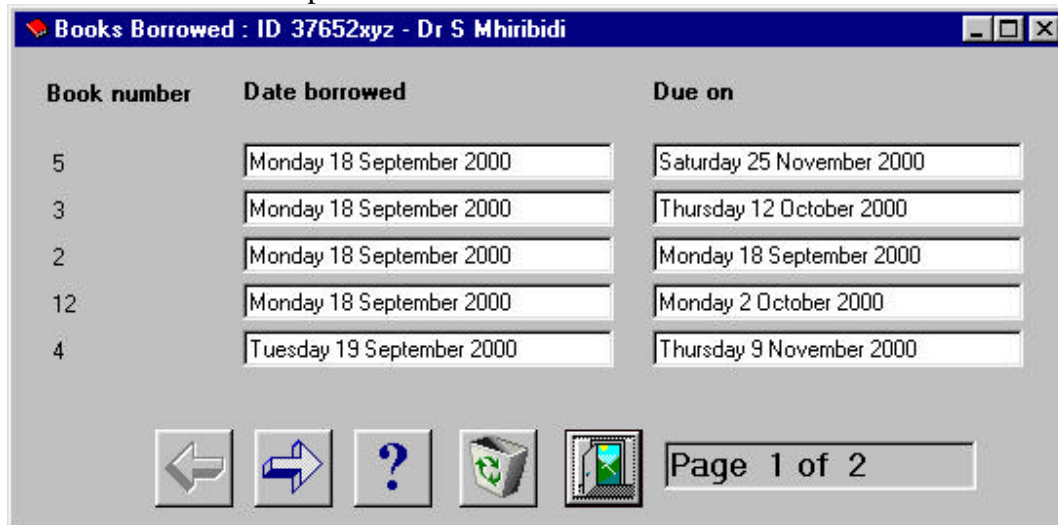
Test 5.05: Results as expected

Adjust Due date


You cannot set the due date to a date before the day on which the book was borrowed.
The book was borrowed on Monday 18 September 2000

OK

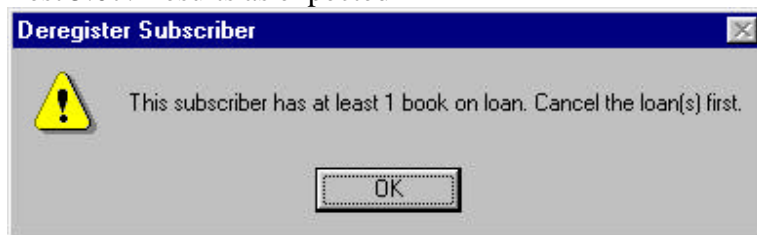
Test 5.06: Results as expected



The screenshot shows a window titled "Books Borrowed : ID 37652xyz - Dr S Mhiribidi". It contains a table with three columns: "Book number", "Date borrowed", and "Due on". The table lists five books with their respective borrowing and due dates. Below the table, there are five icons: a left arrow, a right arrow, a question mark, a recycling symbol, and a book icon. To the right of these icons is a text box displaying "Page 1 of 2".

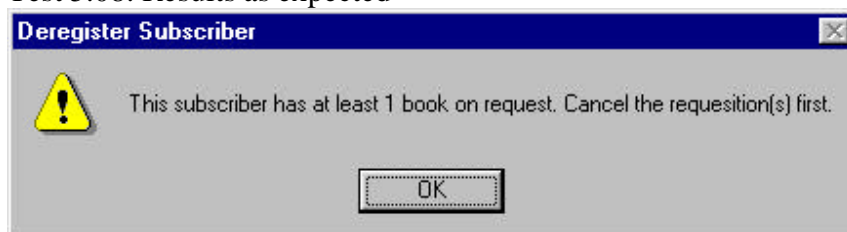
Book number	Date borrowed	Due on
5	Monday 18 September 2000	Saturday 25 November 2000
3	Monday 18 September 2000	Thursday 12 October 2000
2	Monday 18 September 2000	Monday 18 September 2000
12	Monday 18 September 2000	Monday 2 October 2000
4	Tuesday 19 September 2000	Thursday 9 November 2000

Test 5.07: Results as expected



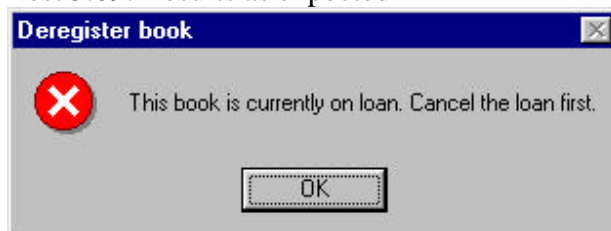
The screenshot shows a dialog box titled "Deregister Subscriber". It features a yellow warning triangle icon on the left. The text inside the dialog box reads: "This subscriber has at least 1 book on loan. Cancel the loan(s) first." At the bottom center, there is an "OK" button.

Test 5.08: Results as expected



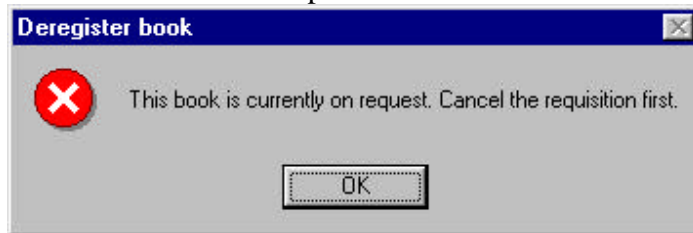
The screenshot shows a dialog box titled "Deregister Subscriber". It features a yellow warning triangle icon on the left. The text inside the dialog box reads: "This subscriber has at least 1 book on request. Cancel the request(s) first." At the bottom center, there is an "OK" button.

Test 5.09: Results as expected

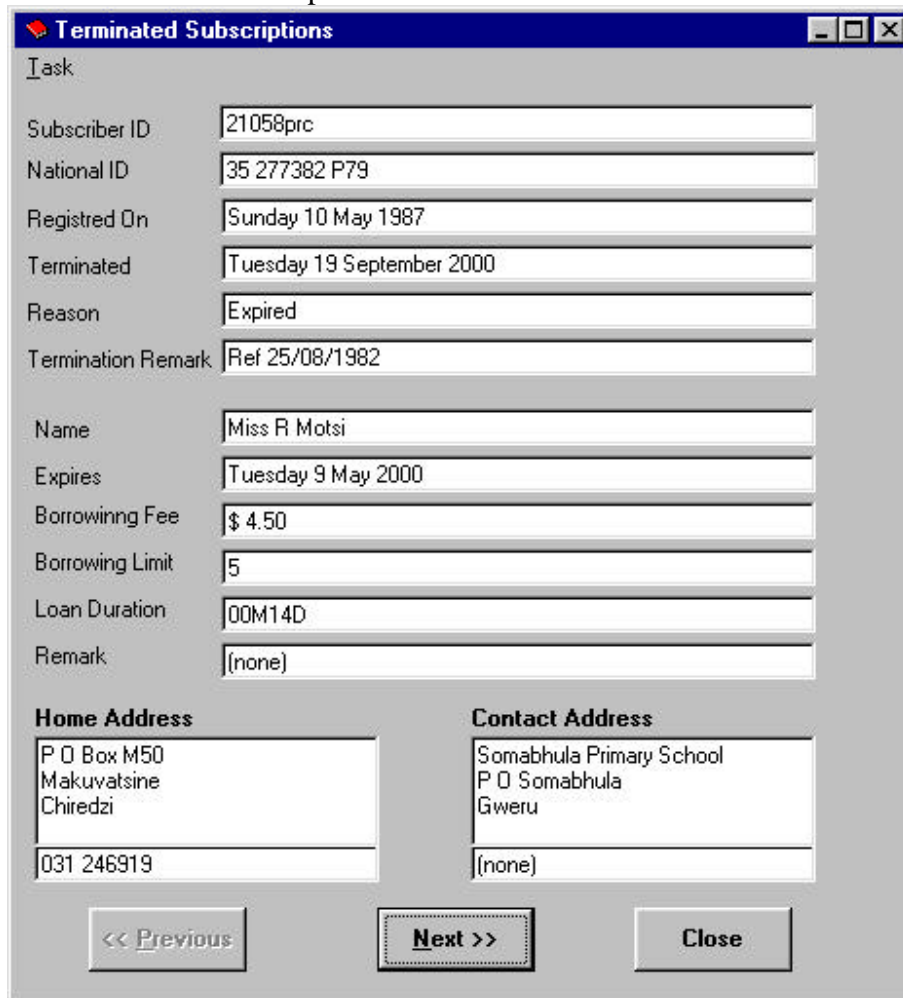


The screenshot shows a dialog box titled "Deregister book". It features a red circle with a white 'X' icon on the left. The text inside the dialog box reads: "This book is currently on loan. Cancel the loan first." At the bottom center, there is an "OK" button.

Test 5.10: Results as expected



Test 5.11: Results as expected

A form titled "Terminated Subscriptions" with a red icon and window controls. It contains several input fields for subscriber information, termination details, and addresses. At the bottom are navigation buttons: "<< Previous", "Next >>", and "Close".

Task	
Subscriber ID	21058prc
National ID	35 277382 P79
Registered On	Sunday 10 May 1987
Terminated	Tuesday 19 September 2000
Reason	Expired
Termination Remark	Ref 25/08/1982
Name	Miss R Motsi
Expires	Tuesday 9 May 2000
Borrowing Fee	\$ 4.50
Borrowing Limit	5
Loan Duration	00M14D
Remark	(none)
Home Address	Contact Address
P O Box M50 Makuvatsine Chiredzi	Somabhula Primary School P O Somabhula Gweru
031 246919	(none)
<< Previous	Next >>
Close	

Test 5.12: Results as expected

Deregistered Books

Task

Registered	Saturday 2 February 1991
Deregistered	Tuesday 19 September 2000
Reason	Damaged
Book Number	15
Title	The Inorganic
Author	Lipraka C K
Borrowing fee	\$ 3.50
Loan period	01M14D Loanable <input checked="" type="checkbox"/>
Dewey Number	325
ISBN	0 325 50520 4
Library Class	SciFiction
Publisher	Stanelys
Supplier	Tasham Books
Remark	Donation : Drama Club
Cancellation Remark	70000dnh replaced with 17

<< Previous Next >> Close

Transaction Logs

Test 6.01: Results as expected

Sessions 7 to 22

User Log							
	Session	Date in	Time in	Area	User	Date out	Time out
7	7	19/09/2000	07:59:30	Security	Motsi T	19/09/2000	07:59:44
8	8	19/09/2000	08:01:31	Main	Motsi T	19/09/2000	08:02:05
9	9	19/09/2000	08:02:50	Transactions	Motsi T	19/09/2000	08:03:01
10	10	19/09/2000	08:03:20	Report	Motsi T	19/09/2000	08:03:30
11	11	19/09/2000	08:03:46	Query	Motsi T	19/09/2000	08:03:49
12	12	19/09/2000	08:04:34	Backup	Motsi T	19/09/2000	08:04:40
13	13	19/09/2000	08:04:56	Main	Mafuva G	19/09/2000	08:05:05
14	14	19/09/2000	08:05:42	Transactions	Mafuva G	19/09/2000	08:05:48
15	15	19/09/2000	08:06:03	Report	Mafuva G	19/09/2000	08:06:08
16	16	19/09/2000	08:06:26	Query	Mafuva G	19/09/2000	08:06:30
17	17	19/09/2000	08:06:46	Backup	Mafuva G	19/09/2000	08:06:53
18	18	19/09/2000	08:07:10	Main	Zvidzai T	19/09/2000	08:07:16
19	19	19/09/2000	08:07:28	Transactions	Zvidzai T	19/09/2000	08:07:36
20	20	19/09/2000	08:07:52	Report	Zvidzai T	19/09/2000	08:08:01
21	21	19/09/2000	08:08:17	Query	Zvidzai T	19/09/2000	08:08:21
22	22	19/09/2000	08:08:35	Backup	Zvidzai T	19/09/2000	08:08:39
23	23	19/09/2000	08:09:00	Transactions	Motsi T		

Test 6.02: Results as expected

Part A

Subscriber Transaction Log										
Date	Type	Subscriber ID	National ID	Surname	Initials	Title	Registered On	Expires	Remark	
15/09/2000 08:15	New	12345abc	12 456789 R12	Gutemako	D	Prof	19/09/2000	19/09/2002		
16/09/2000 08:16	Edit	12345abc	12 456789 R15	Gutemako	D	Prof	19/09/2000	19/09/2002		
17/09/2000 08:16	Edit	12345abc	12 456789 R15	Gutemako	D	Dr	19/09/2000	19/09/2002		
18/09/2000 08:16	Edit	12345abc	12 456789 R15	Gutemako	Q	Dr	19/09/2000	19/09/2002		
19/09/2000 08:17	Edit	12345abc	12 456789 R15	Samurai	Q	Dr	19/09/2000	19/09/2002		
20/09/2000 08:17	Edit	12345abc	12 456789 R15	Samurai	Q	Dr	19/01/1987	19/09/2002		
21/09/2000 08:17	Edit	12345abc	12 456789 R15	Samurai	Q	Dr	19/01/1987	19/09/2005		
22/09/2000 08:18	Edit	12345abc	12 456789 R15	Samurai	Q	Dr	19/01/1987	19/09/2005	Being test data	
23/09/2000 08:18	Edit	12345abc	12 456789 R15	Samurai	Q	Dr	19/01/1987	19/09/2005	Being test data	
24/09/2000 08:18	Edit	12345abc	12 456789 R15	Samurai	Q	Dr	19/01/1987	19/09/2005	Being test data	
25/09/2000 08:19	Edit	12345abc	12 456789 R15	Samurai	Q	Dr	19/01/1987	19/09/2005	Being test data	
26/09/2000 08:19	Edit	12345abc	12 456789 R15	Samurai	Q	Dr	19/01/1987	19/09/2005	Being test data	
27/09/2000 08:19	Edit	12345abc	12 456789 R15	Samurai	Q	Dr	19/01/1987	19/09/2005	Being test data	
28/09/2000 08:20	Edit	12345abc	12 456789 R15	Samurai	Q	Dr	19/01/1987	19/09/2005	Being test data	
29/09/2000 08:20	Edit	12345abc	12 456789 R15	Samurai	Q	Dr	19/01/1987	19/09/2005	Being test data	
30/09/2000 08:21	Edit	12345abc	12 456789 R38	Samkange	U	Mr	30/01/1987	30/09/2005	Being test data	
31/09/2000 08:23	Deregister	12345abc							Ref 25/10/2000	

Part B

Subscriber Transaction Log									
	Date	Type	Subscriber ID	Borrowing fee	Borrowing limit	Loan duration	Home Address	Home Phone No.	Contact
15	19/09/2000 08:15	New	12345abc	\$ 5.00	15	00M14D	The Clover P O Sakag Haran	(none)	
16	19/09/2000 08:16	Edit	12345abc	\$ 5.00	15	00M14D	The Clover P O Sakag Haran	(none)	
17	19/09/2000 08:16	Edit	12345abc	\$ 5.00	15	00M14D	The Clover P O Sakag Haran	(none)	
18	19/09/2000 08:16	Edit	12345abc	\$ 5.00	15	00M14D	The Clover P O Sakag Haran	(none)	
19	19/09/2000 08:17	Edit	12345abc	\$ 5.00	15	00M14D	The Clover P O Sakag Haran	(none)	
20	19/09/2000 08:17	Edit	12345abc	\$ 5.00	15	00M14D	The Clover P O Sakag Haran	(none)	
21	19/09/2000 08:17	Edit	12345abc	\$ 5.00	15	00M14D	The Clover P O Sakag Haran	(none)	
22	19/09/2000 08:18	Edit	12345abc	\$ 5.00	15	00M14D	The Clover P O Sakag Haran	(none)	
23	19/09/2000 08:18	Edit	12345abc	\$ 6.33	15	00M14D	The Clover P O Sakag Haran	(none)	
24	19/09/2000 08:18	Edit	12345abc	\$ 6.33	3	00M14D	The Clover P O Sakag Haran	(none)	
25	19/09/2000 08:19	Edit	12345abc	\$ 6.33	3	00M05D	The Clover P O Sakag Haran	(none)	
26	19/09/2000 08:19	Edit	12345abc	\$ 6.33	3	00M05D	The Clover 25 Sabel Street	(none)	
27	19/09/2000 08:19	Edit	12345abc	\$ 6.33	3	00M05D	The Clover 25 Sabel Street	04-456325	
28	19/09/2000 08:20	Edit	12345abc	\$ 6.33	3	00M05D	The Clover 25 Sabel Street	04-456325	25
29	19/09/2000 08:20	Edit	12345abc	\$ 6.33	3	00M05D	The Clover 25 Sabel Street	04-456325	25
30	19/09/2000 08:21	Edit	12345abc	\$ 1.23	7	01M00D	Second time 25 Sabel Ste	04-345678	Thi
31	19/09/2000 08:23	Deregister	12345abc						

Part C

Subscriber Transaction Log							
	Date	Type	Subscriber ID	Home Phone No.	Contact Address	Contact Phone No.	Reason
14	19/09/2000 01:37	Deregister	52712prs				Cancelled
15	19/09/2000 08:15	New	12345abc	(none)	(none)	(none)	
16	19/09/2000 08:16	Edit	12345abc	(none)	(none)	(none)	
17	19/09/2000 08:16	Edit	12345abc	(none)	(none)	(none)	
18	19/09/2000 08:16	Edit	12345abc	(none)	(none)	(none)	
19	19/09/2000 08:17	Edit	12345abc	(none)	(none)	(none)	
20	19/09/2000 08:17	Edit	12345abc	(none)	(none)	(none)	
21	19/09/2000 08:17	Edit	12345abc	(none)	(none)	(none)	
22	19/09/2000 08:18	Edit	12345abc	(none)	(none)	(none)	
23	19/09/2000 08:18	Edit	12345abc	(none)	(none)	(none)	
24	19/09/2000 08:18	Edit	12345abc	(none)	(none)	(none)	
25	19/09/2000 08:19	Edit	12345abc	(none)	(none)	(none)	
26	19/09/2000 08:19	Edit	12345abc	(none)	(none)	(none)	
27	19/09/2000 08:19	Edit	12345abc	04-456325	25 Nelson Mandela Harare	(none)	
28	19/09/2000 08:20	Edit	12345abc	04-456325	25 Nelson Mandela Harare	091 456789	
29	19/09/2000 08:20	Edit	12345abc	04-456325	25 Nelson Mandela Harare	091 456789	
30	19/09/2000 08:21	Edit	12345abc	04-345678	Third time 25 Nelson Man	091 987654	
31	19/09/2000 08:23	Deregister	12345abc				Cancelled

Test 6.03: Results as expected
Part A

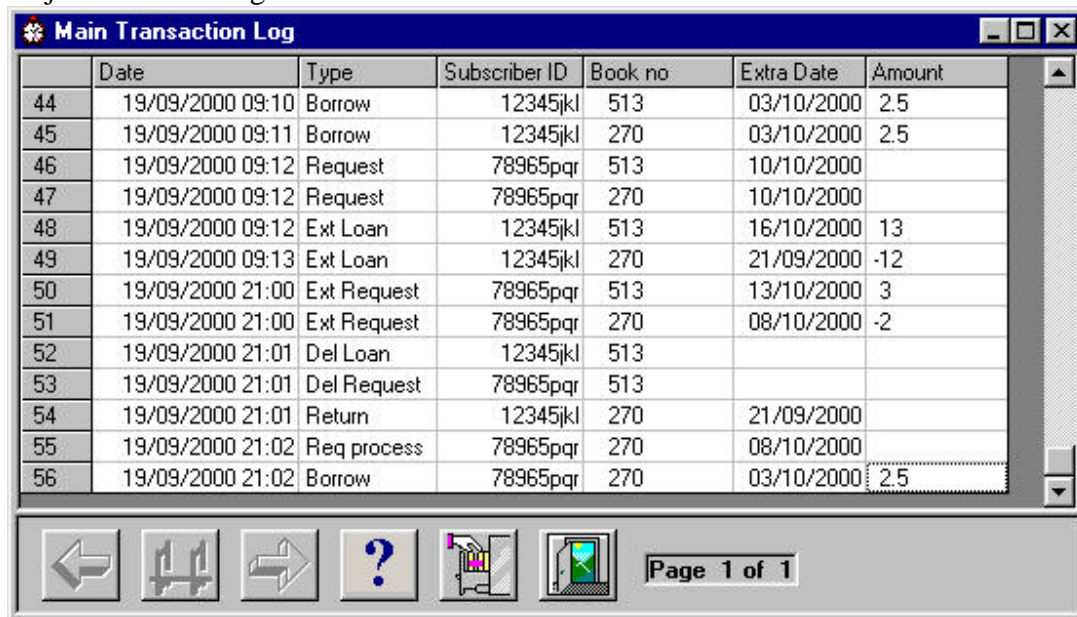
Book Transaction Log										
	Date	Type	Book no.	Title	Author	Registered	Borrowing fee	Loan period	Loanable	Class
21	19/09/2000 08:41	New	2 507	Learn VB	Seraha	19/09/2000	\$ 9.63	01M000	Yes	IT
22	19/09/2000 08:42	Edit	2 507	⊗ Learn Visual Basic	Seraha	19/09/2000	\$ 9.63	01M000	Yes	IT
23	19/09/2000 08:42	Edit	2 507	Learn Visual Basic	⊗ Quton	19/09/2000	\$ 9.63	01M000	Yes	IT
24	19/09/2000 08:42	Edit	2 507	Learn Visual Basic	Quton	⊗ 19/09/1999	\$ 9.63	01M000	Yes	IT
25	19/09/2000 08:43	Edit	2 507	Learn Visual Basic	Quton	19/09/1999	⊗ \$ 1.23	01M000	Yes	IT
26	19/09/2000 08:43	Edit	2 507	Learn Visual Basic	Quton	19/09/1999	\$ 1.23	⊗ 00M14D	Yes	IT
27	19/09/2000 08:43	Edit	2 507	Learn Visual Basic	Quton	19/09/1999	\$ 1.23	00M14D	⊗ No	IT
28	19/09/2000 08:43	Edit	2 507	Learn Visual Basic	Quton	19/09/1999	\$ 1.23	00M14D	No	⊗ Computing
29	19/09/2000 08:44	Edit	2 507	Learn Visual Basic	Quton	19/09/1999	\$ 1.23	00M14D	No	Computing
30	19/09/2000 08:44	Edit	2 507	Learn Visual Basic	Quton	19/09/1999	\$ 1.23	00M14D	No	Computing
31	19/09/2000 08:44	Edit	2 507	Learn Visual Basic	Quton	19/09/1999	\$ 1.23	00M14D	No	Computing
32	19/09/2000 08:44	Edit	2 507	Learn Visual Basic	Quton	19/09/1999	\$ 1.23	00M14D	No	Computing
33	19/09/2000 08:45	Edit	2 507	Learn Visual Basic	Quton	19/09/1999	\$ 1.23	00M14D	No	Computing
34	19/09/2000 08:47	Edit	2 507	⊗ Mastering Visual Basic	⊗ Dahama	⊗ 25/09/1999	⊗ \$ 3.21	⊗ 03M14D	⊗ Yes	⊗ Software
35	19/09/2000 08:47	Deregister	2 507							

Part B

Book Transaction Log										
	Date	Type	Book no.	Dewey	ISBN	Publisher	Supplier	Remark	Reason	
21	19/09/2000 08:41	New	2 507	345	0 222 678954 R	Microsoft Press	Microsoft Books		(none)	
22	19/09/2000 08:42	Edit	2 507	345	0 222 678954 R	Microsoft Press	Microsoft Books		(none)	
23	19/09/2000 08:42	Edit	2 507	345	0 222 678954 R	Microsoft Press	Microsoft Books		(none)	
24	19/09/2000 08:42	Edit	2 507	345	0 222 678954 R	Microsoft Press	Microsoft Books		(none)	
25	19/09/2000 08:43	Edit	2 507	345	0 222 678954 R	Microsoft Press	Microsoft Books		(none)	
26	19/09/2000 08:43	Edit	2 507	345	0 222 678954 R	Microsoft Press	Microsoft Books		(none)	
27	19/09/2000 08:43	Edit	2 507	345	0 222 678954 R	Microsoft Press	Microsoft Books		(none)	
28	19/09/2000 08:43	Edit	2 507	345	0 222 678954 R	Microsoft Press	Microsoft Books		(none)	
29	19/09/2000 08:44	Edit	2 507	⊗ 987	0 222 678954 R	Microsoft Press	Microsoft Books		(none)	
30	19/09/2000 08:44	Edit	2 507	987	⊗ 1 444 678954 R	Microsoft Press	Microsoft Books		(none)	
31	19/09/2000 08:44	Edit	2 507	987	1 444 678954 R	⊗ MSDN Press	Microsoft Books		(none)	
32	19/09/2000 08:44	Edit	2 507	987	1 444 678954 R	MSDN Press	⊗ MSDN Books		(none)	
33	19/09/2000 08:45	Edit	2 507	987	1 444 678954 R	MSDN Press	MSDN Books	⊗ Disk Pack : DCP		
34	19/09/2000 08:47	Edit	2 507	⊗ 752	⊗ 7 888 678954 R	⊗ MSDN VB Press	⊗ MSDN VB Books	⊗ CD Pack : DCP8		
35	19/09/2000 08:47	Deregister	2 507					Receipt 1234/2000	Sold	

Test 6.04: Results as expected

Adjust for the change in the date of the transactions

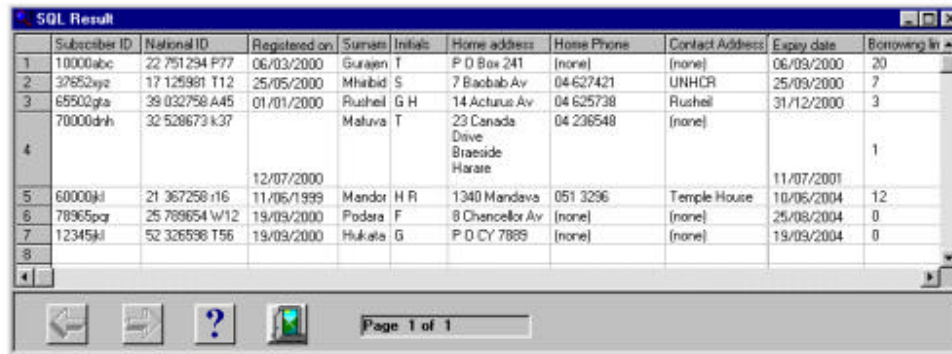


	Date	Type	Subscriber ID	Book no	Extra Date	Amount
44	19/09/2000 09:10	Borrow	12345jkl	513	03/10/2000	2.5
45	19/09/2000 09:11	Borrow	12345jkl	270	03/10/2000	2.5
46	19/09/2000 09:12	Request	78965pqr	513	10/10/2000	
47	19/09/2000 09:12	Request	78965pqr	270	10/10/2000	
48	19/09/2000 09:12	Ext Loan	12345jkl	513	16/10/2000	13
49	19/09/2000 09:13	Ext Loan	12345jkl	270	21/09/2000	-12
50	19/09/2000 21:00	Ext Request	78965pqr	513	13/10/2000	3
51	19/09/2000 21:00	Ext Request	78965pqr	270	08/10/2000	-2
52	19/09/2000 21:01	Del Loan	12345jkl	513		
53	19/09/2000 21:01	Del Request	78965pqr	513		
54	19/09/2000 21:01	Return	12345jkl	270	21/09/2000	
55	19/09/2000 21:02	Req process	78965pqr	270	08/10/2000	
56	19/09/2000 21:02	Borrow	78965pqr	270	03/10/2000	2.5

The Query Utility

Test 7.01: Results as expected

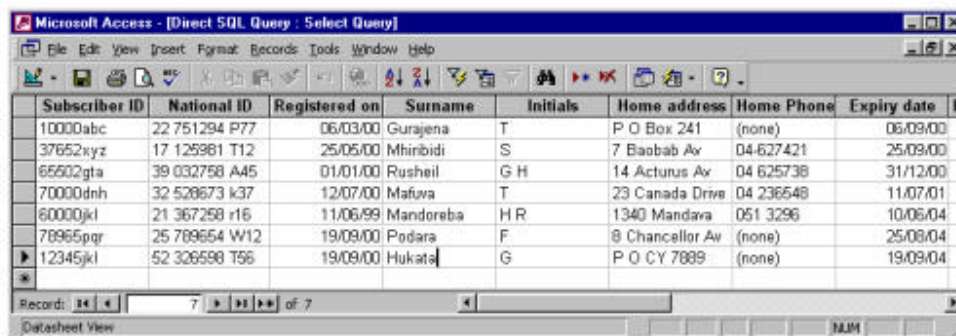
Other tests indicate the need to be wary of the short date format on the system.



SQL Result

	Subscriber ID	National ID	Registered on	Surname	Initials	Home address	Home Phone	Contact Address	Expiry date	Borrowing in
1	10000abc	22 751 294 P77	06/03/2000	Gurajen	T	P O Box 241	(none)	(none)	06/09/2000	20
2	37652xyz	17 125981 T12	25/05/2000	Mharibid	S	7 Baobab Av	04 627421	UNHCR	25/09/2000	7
3	65502gta	39 032758 A45	01/01/2000	Rushell	G H	14 Acturus Av	04 625738	Rushell	31/12/2000	3
4	70000dnh	32 528673 k37		Mafuva	T	23 Canada Drive Braeside Harare	04 236548	(none)		1
			12/07/2000						11/07/2001	
5	60000kl	21 367258 r16	11/06/1999	Mandora	H R	1340 Mandava	051 3296	Temple House	10/06/2004	12
6	78965pqr	25 789654 w12	19/09/2000	Podara	F	8 Chancellor Av	(none)	(none)	25/08/2004	0
7	12345jkl	52 326598 T56	19/09/2000	Hukata	G	P O CY 7889	(none)	(none)	19/09/2004	0
8										

Page 1 of 1



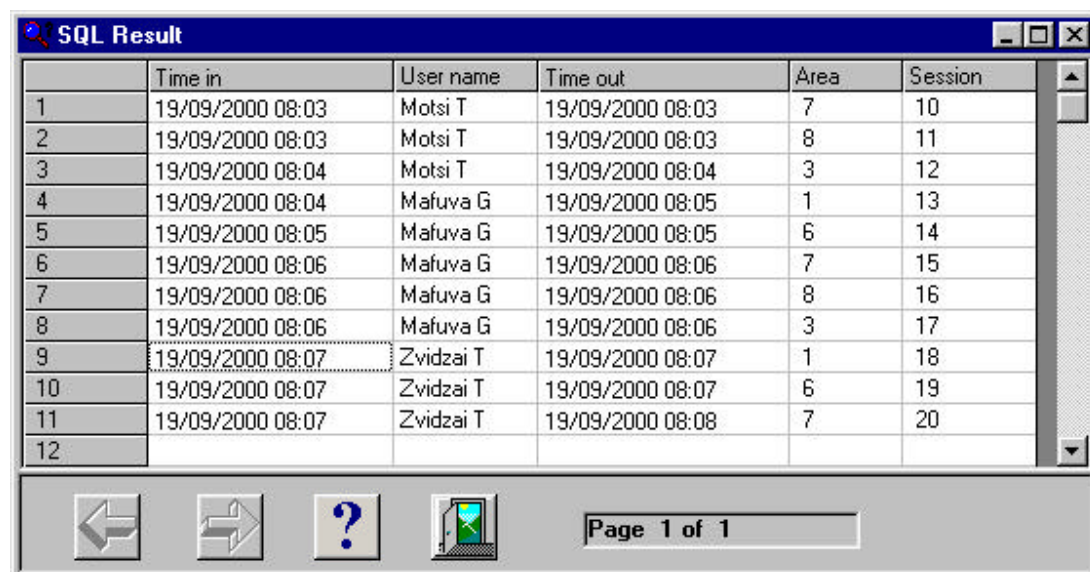
Microsoft Access - [Direct SQL Query : Select Query]

	Subscriber ID	National ID	Registered on	Surname	Initials	Home address	Home Phone	Expiry date	B
	10000abc	22 751294 P77	06/03/00	Gurajena	T	P O Box 241	(none)	06/09/00	
	37652xyz	17 125981 T12	25/05/00	Mhinibidi	S	7 Baobab Av	04 627421	25/09/00	
	65502gta	39 032758 A45	01/01/00	Rushell	G H	14 Acturus Av	04 625738	31/12/00	
	70000dnh	32 528673 k37	12/07/00	Mafuva	T	23 Canada Drive	04 236548	11/07/01	
	60000kl	21 367258 r16	11/06/99	Mandoreba	H R	1340 Mandava	051 3296	10/06/04	
	78965pqr	25 789654 W12	19/09/00	Podara	F	8 Chancellor Av	(none)	25/08/04	
	12345jkl	52 326598 T56	19/09/00	Hukata	G	P O CY 7889	(none)	19/09/04	

Record: 14 of 7

Datasheet View

Test 7.02: Results as expected



SQL Result

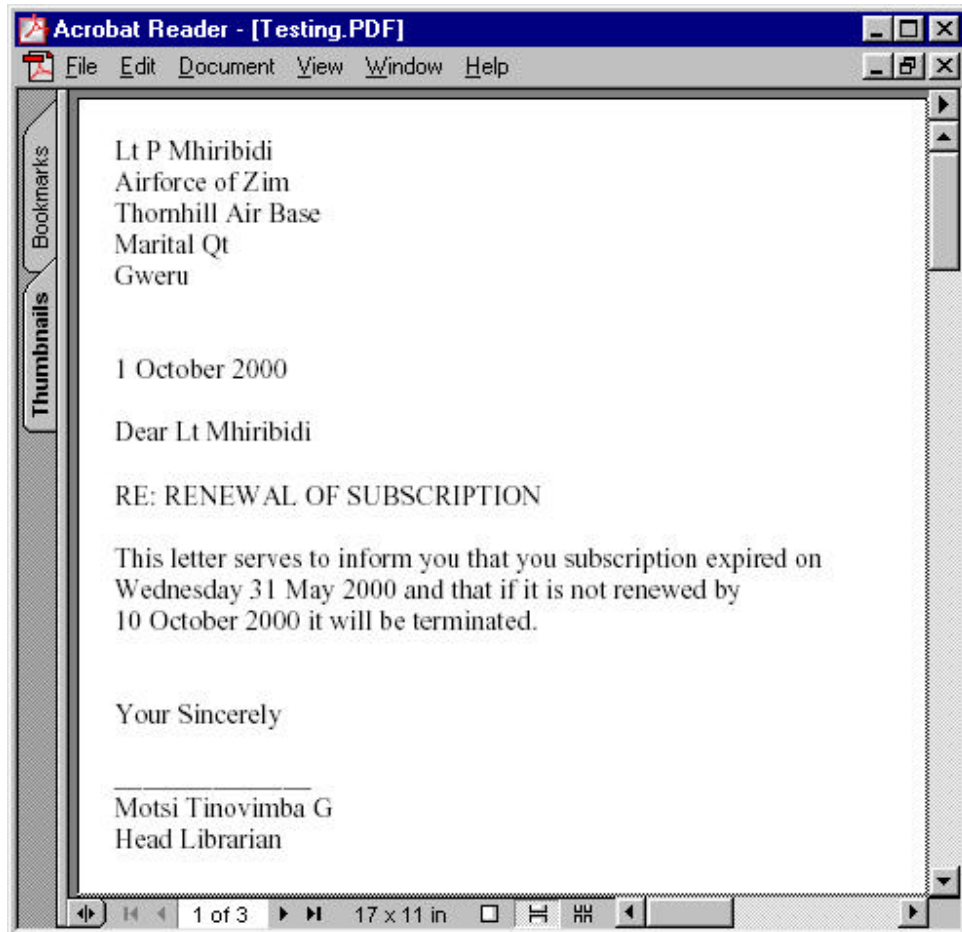
	Time in	User name	Time out	Area	Session
1	19/09/2000 08:03	Motsi T	19/09/2000 08:03	7	10
2	19/09/2000 08:03	Motsi T	19/09/2000 08:03	8	11
3	19/09/2000 08:04	Motsi T	19/09/2000 08:04	3	12
4	19/09/2000 08:04	Mafuva G	19/09/2000 08:05	1	13
5	19/09/2000 08:05	Mafuva G	19/09/2000 08:05	6	14
6	19/09/2000 08:06	Mafuva G	19/09/2000 08:06	7	15
7	19/09/2000 08:06	Mafuva G	19/09/2000 08:06	8	16
8	19/09/2000 08:06	Mafuva G	19/09/2000 08:06	3	17
9	19/09/2000 08:07	Zvidzai T	19/09/2000 08:07	1	18
10	19/09/2000 08:07	Zvidzai T	19/09/2000 08:07	6	19
11	19/09/2000 08:07	Zvidzai T	19/09/2000 08:08	7	20
12					

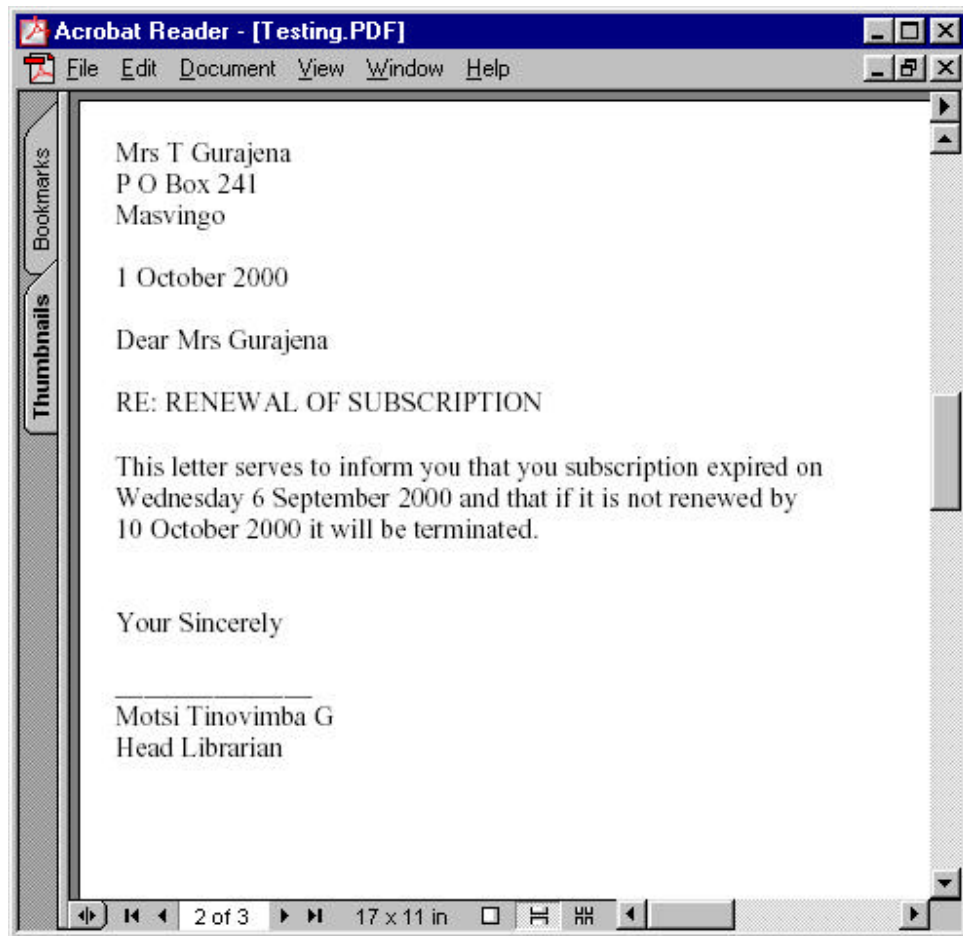
Page 1 of 1

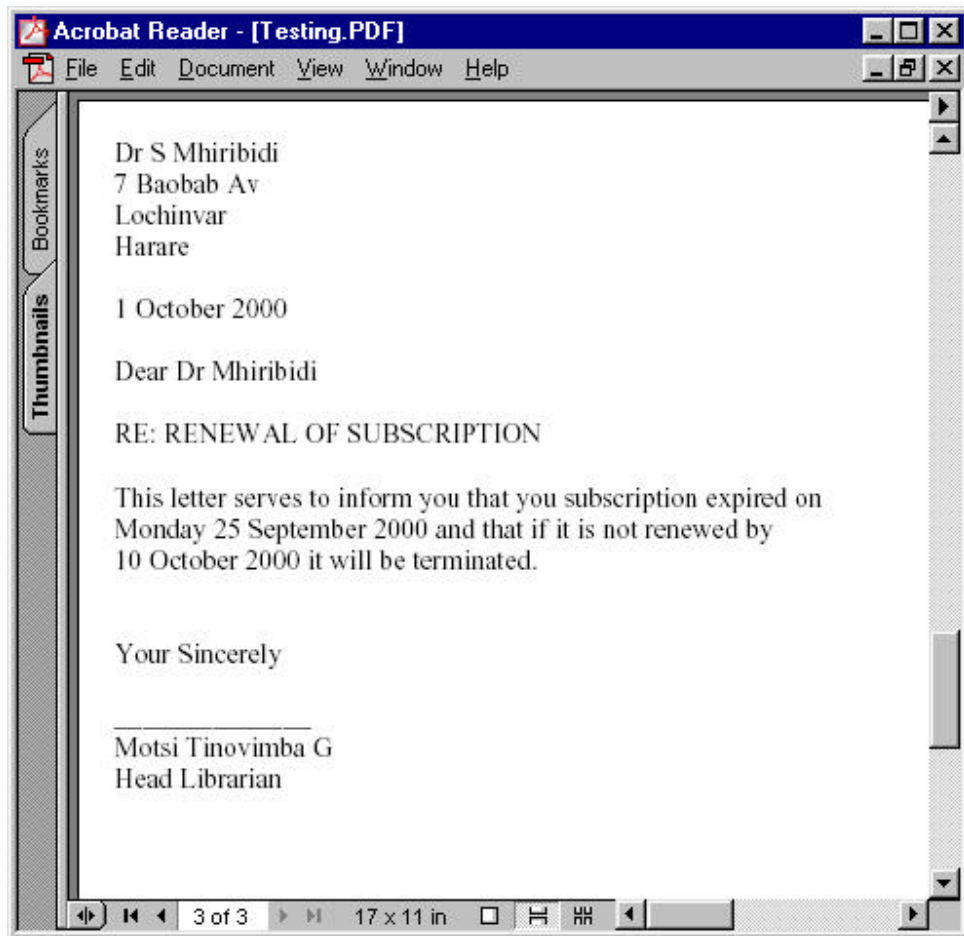
Reports and Mail merge

Test 8.01: Results as expected

Simulated on the Adobe PDF Writer







Test 8.02: Results as expected
Please see the test data printouts




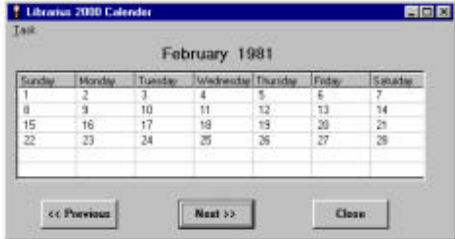

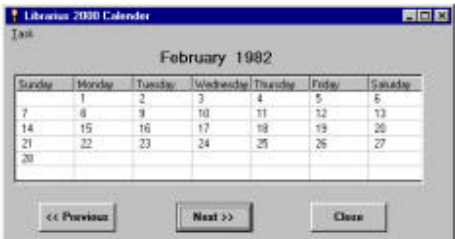
Security

Test 9.01

Please verify with the testing database

Calendar

Test 10.01

Windows Adjust Date/Time Calendar	Librarius Calendar
	
	
	

March

1983

M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Libraius 2000 Calendar

Task

March 1983

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

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Close

April

1984

M	T	W	T	F	S	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

Libraius 2000 Calendar

Task

April 1984

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

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Close

May

1985

M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Libraius 2000 Calendar

Task

May 1985

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

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Close

June

1986

M	T	W	T	F	S	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

Libraius 2000 Calendar

Task

June 1986

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

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Close

July

1987

M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Librarius 2000 Calendar

Task

July 1987

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

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Close

August

1988

M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Librarius 2000 Calendar

Task

August 1988

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

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September

1989

M	T	W	T	F	S	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Librarius 2000 Calendar

Task

September 1989

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

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Close

October

1990

M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Librarius 2000 Calendar

Task

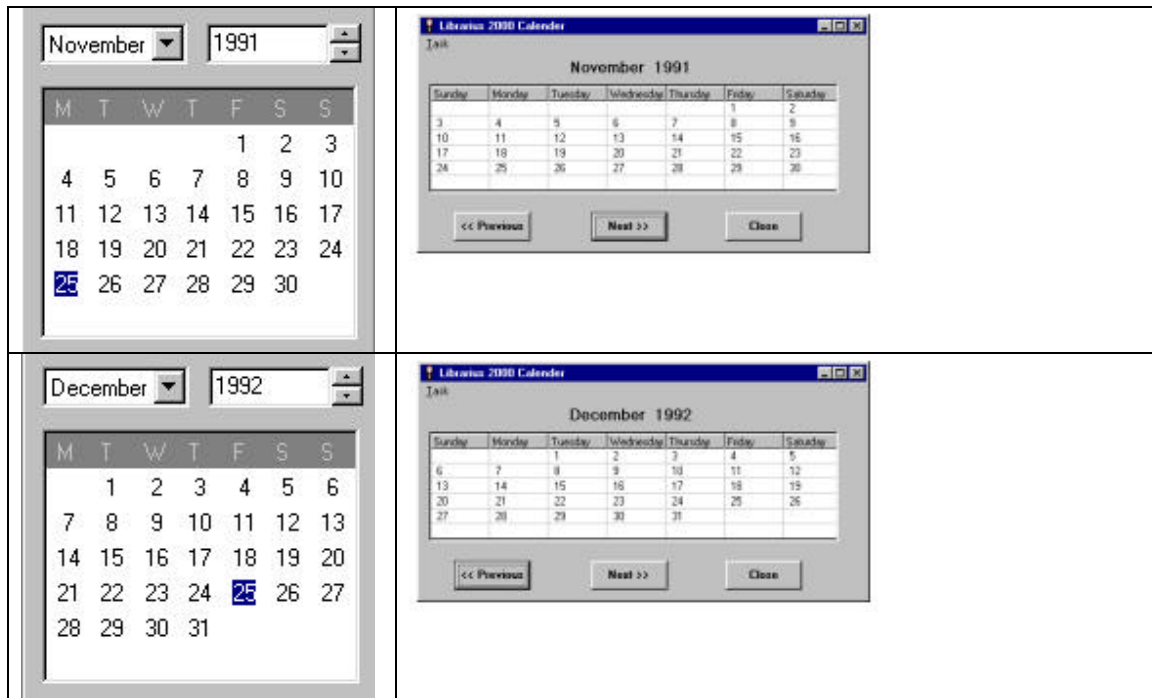
October 1990

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

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Backup and Restore

Test 11.01

Please verify with the sample database

Repair and Optimise

Test 12.01

Unable to corrupt database and create conditions necessary for testing