Following is the test output demonstrating all the different functions of the program’s main menu and submenus:

[ MAIN MENU ]

Please enter a number corresponding to one of the following options:

1. Add book

2. Find book(s)

3. Delete book(s)

4. Quit program

2

[ FIND BOOK SUBMENU ]

Please enter a number corresponding to one of the following options:

1. Find a single book

2. Find all books by a particular author

3. Find all books whose price is less than a given value

4. Return to Main Menu

3

[ FIND ALL BOOKS LESS THAN SPECIFIC PRICE ]

Please enter a price:

1000000

0-387-95206-3 Misra Pady A Discipline of Multiprogramming 2001 45.5

1-85233-384-7 Tao Lewis Adaptive Control of Nonsmooth Dynamic Systems 2001 65.0

3-540-67713-5 Kloss Ray Advertising Worldwide 2001 35.0

0-387-94937-2 Campbell Norman An Introduction to Environmental Biophysics 1998 31.5

1-85233-219-0 Jaulin Kieffer Applied Interval Analysis 2001 55.0

3-540-65367-8 Vazirani Gordy Approximation Algorithms 2001 24.5

3-540-66334-7 Faber Finn Biotransformations in Organic Chemistry 2000 23.0

3-540-66574-9 Kapitaniak Kelly Chaos for Engineers 2000 23.0

3-540-65620-0 Berg Clive Computational Geometry 2000 23.0

3-540-42074-6 Ferziger Peric Computational Methods for Fluid Dynamics 2002 35.0

3-540-67481-0 Mueller Paul Computer Architecture 2000 35.0

3-540-42243-9 Vob Daduna Computer-Aided Scheduling of Public Transport 2001 45.0

3-540-41820-2 Leonhard Leonis Control of Electrical Drives 2001 42.0

3-540-41613-7 Omicini Mirche Coordination of Internet Agents 2001 32.0

3-540-41377-4 Muther Morgan Customer Relationship Management 2002 28.0

3-540-41247-6 Grellmann Seidler Deformation and Fracture Behaviour of Polymers 2001 70.0

1-85233-397-9 Vlietstra Rony Dictionary of Acronyms and Technical Abbreviations 2001 49.5

3-540-41341-3 Meyer Baese Digital Signal Processing with Field Programmable Gate Arrays 2001 52.5

0-387-95065-6 Sarjoughian Cellier Discrete Event Modeling and Simulation Technologies 2001 52.5

3-540-41817-2 Gusev Rempel Disorder and Order in Strongly Nonstoichiometric Compounds 2001 70.0

0-387-95192-X Coutinho Kumari Dynamic Simulations of Multibody Systems 2001 52.5

0-387-95144-X Hummel Craig Electronic Properties of Materials 2001 52.5

3-540-66334-8 Faber Finn Biotransformations 2000 23.0

[ FIND BOOK SUBMENU ]

Please enter a number corresponding to one of the following options:

1. Find a single book

2. Find all books by a particular author

3. Find all books whose price is less than a given value

4. Return to Main Menu

4

Returning to Main Menu...

[ MAIN MENU ]

Please enter a number corresponding to one of the following options:

1. Add book

2. Find book(s)

3. Delete book(s)

4. Quit program

1

[ ADD BOOK ]

Please enter the book's 10 digit ISBN:

3-540-67734-0

Please enter the book author's last name:

Wieck

Please enter the book author's first name:

Nate

Please enter the book's title:

Beebee caca mimi?

Please enter the year the book was published:

2005

Please enter the book's price:

1887739.01

[ MAIN MENU ]

Please enter a number corresponding to one of the following options:

1. Add book

2. Find book(s)

3. Delete book(s)

4. Quit program

1

[ ADD BOOK ]

Please enter the book's 10 digit ISBN:

2-540-67734-X

Please enter the book author's last name:

Wieck

Please enter the book author's first name:

Nate

Please enter the book's title:

Waaaa wah...

Please enter the year the book was published:

2001

Please enter the book's price:

19.25

[ MAIN MENU ]

Please enter a number corresponding to one of the following options:

1. Add book

2. Find book(s)

3. Delete book(s)

4. Quit program

2

[ FIND BOOK SUBMENU ]

Please enter a number corresponding to one of the following options:

1. Find a single book

2. Find all books by a particular author

3. Find all books whose price is less than a given value

4. Return to Main Menu

1

[ FIND SINGLE BOOK ]

Please enter the book's 10 digit ISBN:

1-85233-397-9

1-85233-397-9 Vlietstra Rony Dictionary of Acronyms and Technical Abbreviations 2001 49.5

[ FIND BOOK SUBMENU ]

Please enter a number corresponding to one of the following options:

1. Find a single book

2. Find all books by a particular author

3. Find all books whose price is less than a given value

4. Return to Main Menu

2

[ FIND ALL BOOKS BY SPECIFIC AUTHOR ]

Please enter the book author's first name:

Nate

Please enter the book author's last name:

Wieck

3-540-67734-0 Wieck Nate Beebee caca mimi? 2005 1887739.01

2-540-67734-X Wieck Nate Waaaa wah... 2001 19.25

[ FIND BOOK SUBMENU ]

Please enter a number corresponding to one of the following options:

1. Find a single book

2. Find all books by a particular author

3. Find all books whose price is less than a given value

4. Return to Main Menu

4

Returning to Main Menu...

[ MAIN MENU ]

Please enter a number corresponding to one of the following options:

1. Add book

2. Find book(s)

3. Delete book(s)

4. Quit program

3

[ DELETE BOOK SUBMENU ]

Please enter a number corresponding to one of the following options:

1. Delete a single book

2. Delete all books by a particular author

3. Return to Main Menu

1

[ DELETE SINGLE BOOK ]

Please enter the book's 10 digit ISBN:

1-85233-397-9

Book (1-85233-397-9) successfully deleted.

[ DELETE BOOK SUBMENU ]

Please enter a number corresponding to one of the following options:

1. Delete a single book

2. Delete all books by a particular author

3. Return to Main Menu

2

[ DELETE ALL BOOKS BY SPECIFIC AUTHOR ]

Please enter the book author's first name:

Nate

Please enter the book author's last name:

Wieck

Successfully deleted 2 books by the author Nate Wieck in this catalog.

3-540-67734-0 Wieck Nate Beebee caca mimi? 2005 1887739.01

2-540-67734-X Wieck Nate Waaaa wah... 2001 19.25

[ DELETE BOOK SUBMENU ]

Please enter a number corresponding to one of the following options:

1. Delete a single book

2. Delete all books by a particular author

3. Return to Main Menu

3

Returning to Main Menu...

[ MAIN MENU ]

Please enter a number corresponding to one of the following options:

1. Add book

2. Find book(s)

3. Delete book(s)

4. Quit program

2

[ FIND BOOK SUBMENU ]

Please enter a number corresponding to one of the following options:

1. Find a single book

2. Find all books by a particular author

3. Find all books whose price is less than a given value

4. Return to Main Menu

3

[ FIND ALL BOOKS LESS THAN SPECIFIC PRICE ]

Please enter a price:

1000000

0-387-95206-3 Misra Pady A Discipline of Multiprogramming 2001 45.5

1-85233-384-7 Tao Lewis Adaptive Control of Nonsmooth Dynamic Systems 2001 65.0

3-540-67713-5 Kloss Ray Advertising Worldwide 2001 35.0

0-387-94937-2 Campbell Norman An Introduction to Environmental Biophysics 1998 31.5

1-85233-219-0 Jaulin Kieffer Applied Interval Analysis 2001 55.0

3-540-65367-8 Vazirani Gordy Approximation Algorithms 2001 24.5

3-540-66334-7 Faber Finn Biotransformations in Organic Chemistry 2000 23.0

3-540-66574-9 Kapitaniak Kelly Chaos for Engineers 2000 23.0

3-540-65620-0 Berg Clive Computational Geometry 2000 23.0

3-540-42074-6 Ferziger Peric Computational Methods for Fluid Dynamics 2002 35.0

3-540-67481-0 Mueller Paul Computer Architecture 2000 35.0

3-540-42243-9 Vob Daduna Computer-Aided Scheduling of Public Transport 2001 45.0

3-540-41820-2 Leonhard Leonis Control of Electrical Drives 2001 42.0

3-540-41613-7 Omicini Mirche Coordination of Internet Agents 2001 32.0

3-540-41377-4 Muther Morgan Customer Relationship Management 2002 28.0

3-540-41247-6 Grellmann Seidler Deformation and Fracture Behaviour of Polymers 2001 70.0

3-540-41341-3 Meyer Baese Digital Signal Processing with Field Programmable Gate Arrays 2001 52.5

0-387-95065-6 Sarjoughian Cellier Discrete Event Modeling and Simulation Technologies 2001 52.5

3-540-41817-2 Gusev Rempel Disorder and Order in Strongly Nonstoichiometric Compounds 2001 70.0

0-387-95192-X Coutinho Kumari Dynamic Simulations of Multibody Systems 2001 52.5

0-387-95144-X Hummel Craig Electronic Properties of Materials 2001 52.5

3-540-66334-8 Faber Finn Biotransformations 2000 23.0

[ FIND BOOK SUBMENU ]

Please enter a number corresponding to one of the following options:

1. Find a single book

2. Find all books by a particular author

3. Find all books whose price is less than a given value

4. Return to Main Menu

4

Returning to Main Menu...

[ MAIN MENU ]

Please enter a number corresponding to one of the following options:

1. Add book

2. Find book(s)

3. Delete book(s)

4. Quit program

4

Are you sure you want to quit program (y/n)?

n

Returning to Main Menu...

[ MAIN MENU ]

Please enter a number corresponding to one of the following options:

1. Add book

2. Find book(s)

3. Delete book(s)

4. Quit program

4

Are you sure you want to quit program (y/n)?

y

Do you want to save changes (y/n)?

y

File successfully saved.