CE103 Homework 3 Eray Turan

1.0

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1 Overview 2

1.0.1 Lorem Ipsum . . . 2

2 Namespace Index 3

2.1 Package List . . . 3

3 Class Index 3

3.1 Class List . . . 3

4 File Index 4

4.1 File List . . . 4

5 Namespace Documentation 4

5.1 ce103_hw3_library_app Namespace Reference . . . 4

5.2 ce103_hw3_library_lib Namespace Reference . . . 4

6 Class Documentation 4

6.1 ce103_hw3_library_lib.BookFunctions Class Reference . . . 4

6.1.1 Member Function Documentation . . . 5

6.2 ce103_hw3_library_lib.FileUtility Class Reference . . . 12

6.2.1 Member Function Documentation . . . 12

6.3 ce103_hw3_library_lib.library Class Reference . . . 14

6.3.1 Member Function Documentation . . . 15

6.4 ce103_hw3_library_lib.Menu Class Reference . . . 19

6.4.1 Constructor & Destructor Documentation . . . 19

6.4.2 Member Function Documentation . . . 19

6.5 ce103_hw3_library_lib.PasswordContent Class Reference . . . 21

6.5.1 Member Function Documentation . . . 21

7 File Documentation 22

7.1 .NETFramework,Version=v4.8.AssemblyAttributes.cs File Reference . . . 22

7.2 .NETFramework,Version=v4.8.AssemblyAttributes.cs File Reference . . . 22

7.3 .NETFramework,Version=v4.8.AssemblyAttributes.cs File Reference . . . 22

7.4 .NETFramework,Version=v4.8.AssemblyAttributes.cs File Reference . . . 22

7.5 Program.cs File Reference . . . 22

7.6 AssemblyInfo.cs File Reference . . . 22

7.7 AssemblyInfo.cs File Reference . . . 22

7.8 Book.cs File Reference . . . 22

7.9 BookFunctions.cs File Reference . . . 22

7.10 ConversionUtility.cs File Reference . . . 22

7.11 FileUtility.cs File Reference . . . 22

7.12 MainMenu.cs File Reference . . . 23

7.13 PasswordContent.cs File Reference . . . 23

7.14 SampleMarkdownFile.md File Reference . . . 23

Index 25

1 Overview

1.0.1 Lorem Ipsum

Version

1.0

Author

{Eray TURAN}

"Neque porro quisquam est qui dolorem ipsum quia dolor sit amet, consectetur, adipisci velit..." "Acıyı seven, arayan ve ona sahip olmak isteyen hiç kimse yoktur. Nedeni basit. Çünkü o acıdır..." Lorem ipsum dolor sit amet, consectetur adipiscing elit. In accumsan eget ex elementum ullamcorper. Ut porta, mi et dapibus pellentesque, massa mi sollicitudin lectus, ac malesuada augue ligula a lectus. Quisque suscipit dui non ante tempor, ac consequat ipsum viverra. Sed vel risus fringilla, porttitor massa ut, rutrum nunc. Donec commodo, odio in semper facilisis, erat massa ornare erat, in scelerisque lacus elit sed mauris. Vestibulum ultrices ipsum id nisl condimentum, mattis commodo dui condimentum. Integer efficitur mi et rutrum dignissim. Donec lobortis convallis nisi eu ultricies. Ut porta eu enim a varius. Maecenas ac nisl tincidunt, finibus lacus eu, congue purus.

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Phasellus erat mauris, pellentesque pretium nibh a, blandit condimentum neque. Vivamus lorem urna, ultrices vel rutrum a, ullamcorper id mi. Nunc semper pulvinar nunc in malesuada. Quisque faucibus, odio id porttitor fringilla, ipsum orci volutpat elit, id fringilla magna nisi sit amet erat. Nam pretium pretium orci a sollicitudin. Suspendisse iaculis, dolor at pulvinar dictum, felis est volutpat orci, nec tempor mi mi non augue. Duis augue lacus, hendrerit iaculis ornare id, feugiat et augue. Sed interdum ipsum diam. Donec rutrum finibus tortor id finibus. Praesent suscipit lacinia eros eget tristique. Aliquam lacinia at risus accumsan dapibus. Etiam orci urna, viverra quis ullamcorper a, dapibus in nunc. Vestibulum sit amet interdum leo. Nullam consectetur finibus sagittis. Nulla mollis diam a nunc gravida rutrum. Maecenas commodo eleifend dolor, eget scelerisque ipsum semper nec.

Ut in sapien ac lorem semper egestas at eu ante. Suspendisse eros risus, vehicula nec mi eget, ornare fermentum diam. Nullam laoreet imperdiet turpis, sed pulvinar velit commodo quis. Sed ullamcorper dolor id purus imperdiet, et accumsan metus gravida. Fusce eu purus vehicula, rhoncus velit et, rutrum dui. Curabitur ut varius nibh. Integer hendrerit lorem vel commodo commodo. Proin massa metus, tincidunt eleifend felis eget, volutpat sodales orci.

Nullam nunc libero, molestie in dolor id, congue malesuada elit. Maecenas luctus rutrum felis non pretium. Integer at pretium nisi, eu tempus sapien. Donec venenatis velit vitae rhoncus dictum. Mauris sed condimentum felis, et pretium sapien. Praesent est justo, placerat at lectus posuere, vulputate vulputate nunc. Proin mattis tellus a est gravida varius.

- Lorem ipsum dolor sit amet, consectetur adipiscing elit.
- Nulla ac magna ut ex pharetra vulputate eget a enim.
- Praesent sed felis feugiat, aliquam risus gravida, pretium libero.
- Donec at leo in dolor vestibulum pharetra sed a sapien.
- Etiam at sem vel dolor congue lacinia vitae at diam.
- Duis gravida risus at dui feugiat dapibus.
- Phasellus tincidunt dui in urna ultrices, eget mollis nisi venenatis.
- Praesent eu nunc ullamcorper, commodo lorem id, suscipit felis.
- Aenean vel nisl et urna rutrum semper.
- Vestibulum sed turpis hendrerit, varius quam in, mollis odio.
- Quisque sodales sem at vestibulum mattis.
- Nunc vitae ex facilisis, cursus quam at, luctus dui.
- Sed ut sapien a libero dictum tempus.
- Aliquam pulvinar sem aliquet velit mattis hendrerit.
- Proin dignissim est cursus ipsum elementum vehicula.
- Etiam rhoncus arcu eu laoreet aliquet.
- Donec imperdiet mi vitae diam vestibulum, sed auctor nisi lobortis.
- Morbi vulputate libero eget fringilla scelerisque.
- Nunc varius risus non lectus vestibulum, non malesuada purus semper.

2 Namespace Index

2.1 Package List

Here are the packages with brief descriptions (if available):

ce103_hw3_library_app 4

ce103_hw3_library_lib 4

3 Class Index

3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

ce103_hw3_library_lib.BookFunctions 4

ce103_hw3_library_lib.FileUtility 12

ce103_hw3_library_lib.library 14

ce103_hw3_library_lib.Menu 19

ce103_hw3_library_lib.PasswordContent 21

4 File Index

4.1 File List

Here is a list of all files with brief descriptions:

ce103-hw3-library-app/obj/Debug/.NETFramework,Version=v4.8.AssemblyAttributes.cs 22

ce103-hw3-library-app/obj/Release/.NETFramework,Version=v4.8.AssemblyAttributes.cs 22

ce103-hw3-library-lib/obj/Debug/.NETFramework,Version=v4.8.AssemblyAttributes.cs 22

ce103-hw3-library-lib/obj/Release/.NETFramework,Version=v4.8.AssemblyAttributes.cs 22

Program.cs 22

ce103-hw3-library-app/Properties/AssemblyInfo.cs 22

ce103-hw3-library-lib/Properties/AssemblyInfo.cs 22

Book.cs 22

BookFunctions.cs 22

ConversionUtility.cs 22

FileUtility.cs 22

MainMenu.cs 23

PasswordContent.cs 23

5 Namespace Documentation

5.1 ce103_hw3_library_app Namespace Reference

Classes

- class **Program**

5.2 ce103_hw3_library_lib Namespace Reference

Classes

- class **Book**
- class BookFunctions
- class **ConversionUtility**
- class FileUtility
- class library
- class Menu
- class PasswordContent

6 Class Documentation

6.1 ce103_hw3_library_lib.BookFunctions Class Reference

Public Member Functions

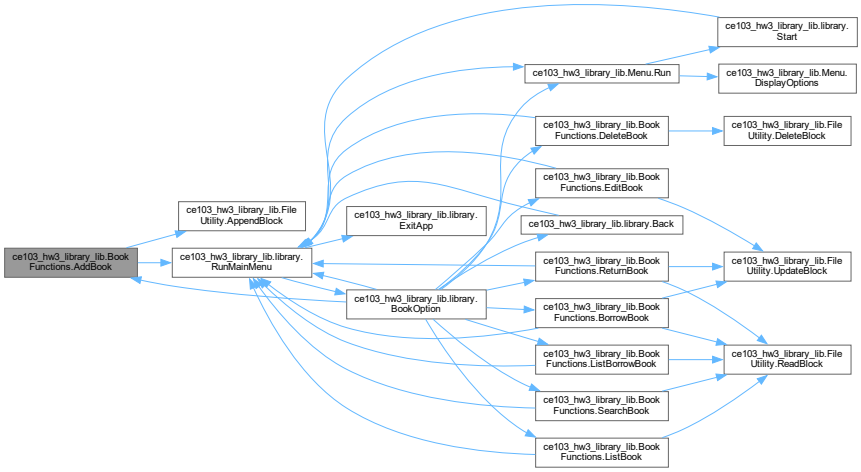
- void AddBook ()
- void EditBook ()

- void ListBook ()
- void DeleteBook ()
- void BorrowBook ()
- void ListBorrowBook ()
- void SearchBook ()
- void ReturnBook ()

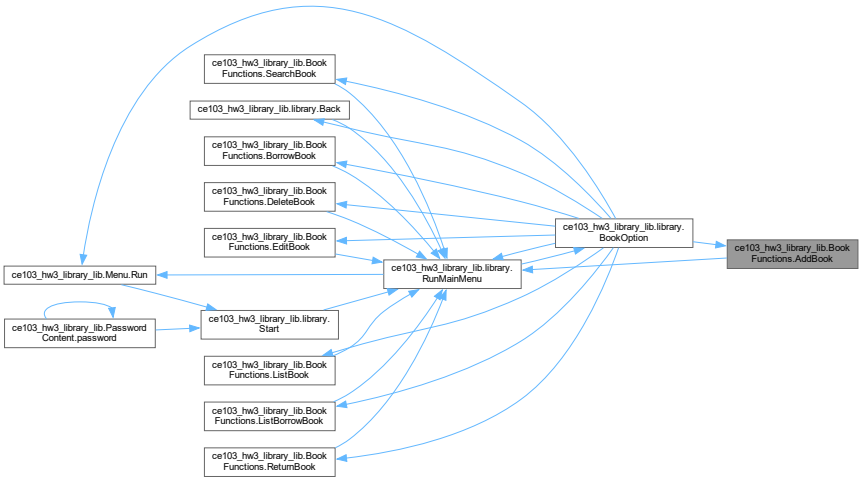
6.1.1 Member Function Documentation

6.1.1.1 AddBook() `void ce103_hw3_library_lib.BookFunctions.AddBook ( )`

References ce103_hw3_library_lib.FileUtility.AppendBlock(), and ce103_hw3_library_lib.library.RunMainMenu().
Referenced by ce103_hw3_library_lib.library.BookOption().
Here is the call graph for this function:

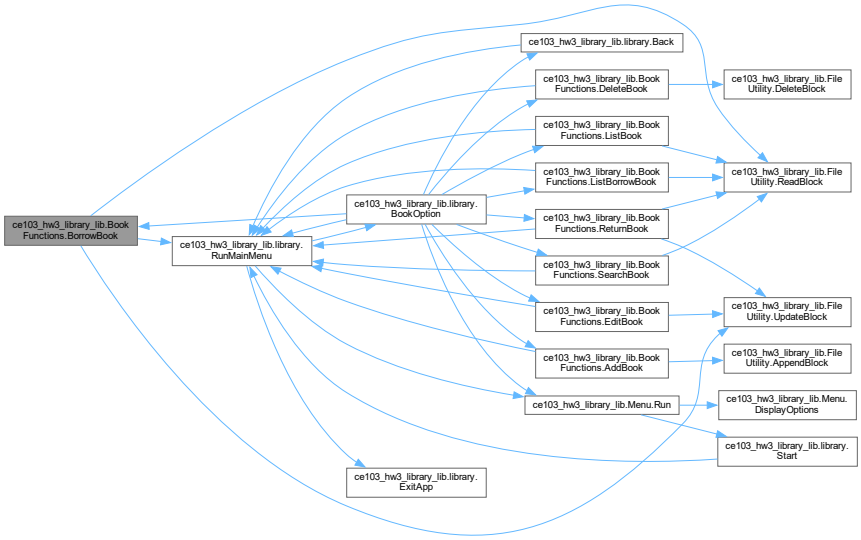


Here is the caller graph for this function:

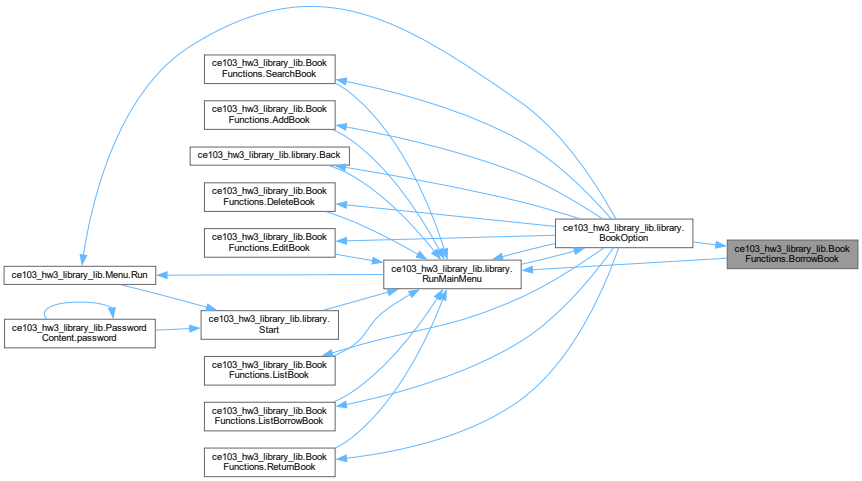


6.1.1.2 BorrowBook() `void ce103_hw3_library_lib.BookFunctions.BorrowBook ( )`

References ce103_hw3_library_lib.FileUtility.ReadBlock(), ce103_hw3_library_lib.library.RunMainMenu(), and ce103_hw3_library_lib.FileUtility.UpdateBlock().
Referenced by ce103_hw3_library_lib.library.BookOption().
Here is the call graph for this function:



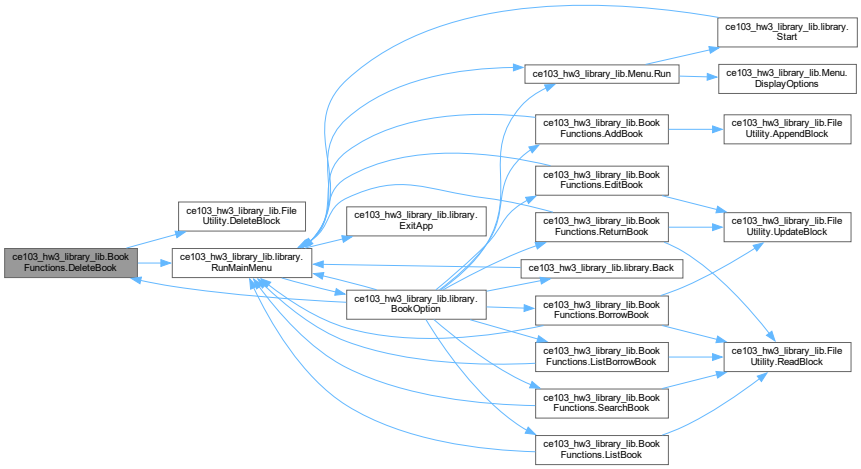
Here is the caller graph for this function:



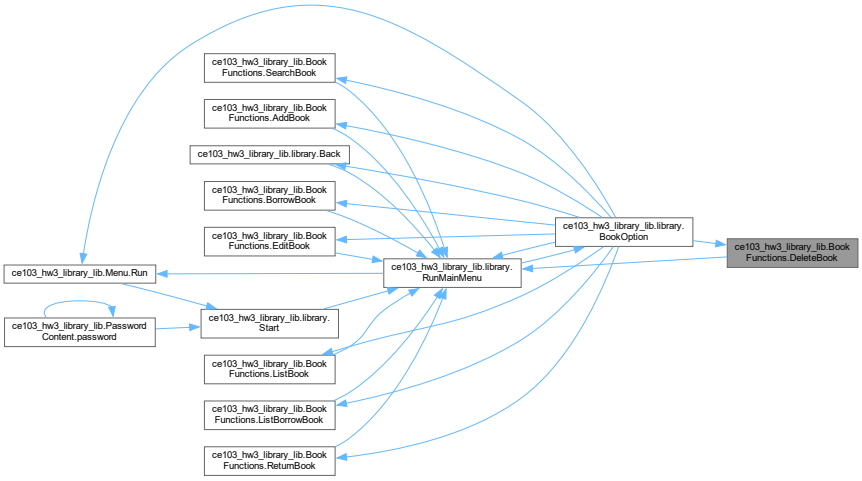
6.1.1.3 DeleteBook() `void ce103_hw3_library_lib.BookFunctions.DeleteBook ( )`

References ce103_hw3_library_lib.FileUtility.DeleteBlock(), and ce103_hw3_library_lib.library.RunMainMenu().
Referenced by ce103_hw3_library_lib.library.BookOption().

Here is the call graph for this function:



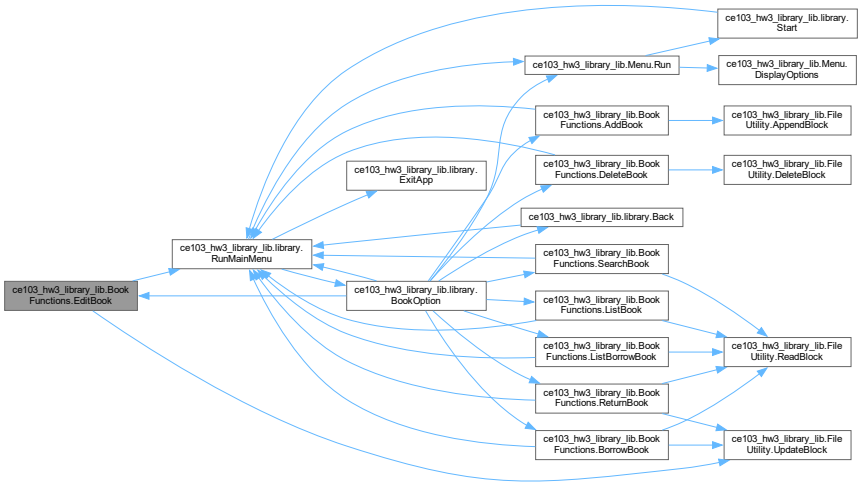
Here is the caller graph for this function:



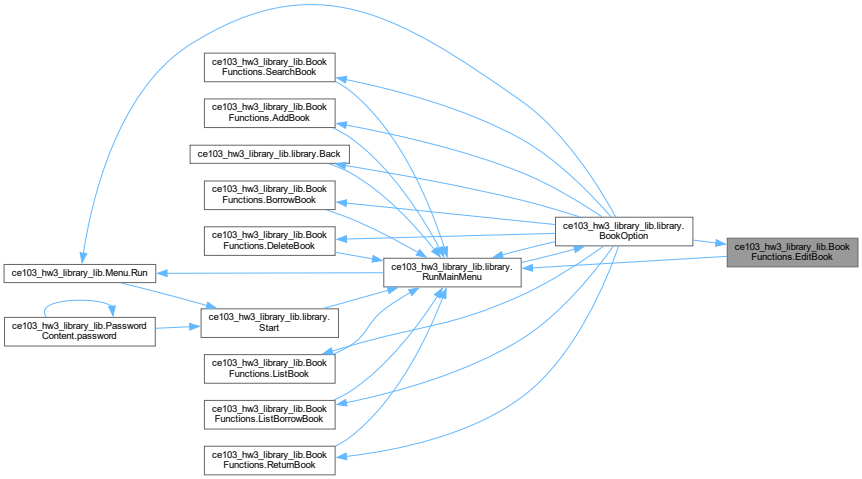
6.1.1.4 EditBook() `void ce103_hw3_library_lib.BookFunctions.EditBook ( )`

References ce103_hw3_library_lib.library.RunMainMenu(), and ce103_hw3_library_lib.FileUtility.UpdateBlock().
Referenced by ce103_hw3_library_lib.library.BookOption().

Here is the call graph for this function:



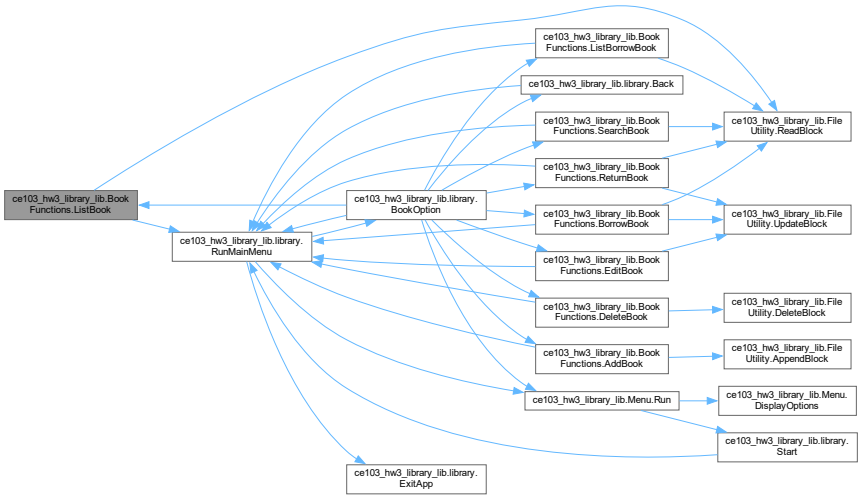
Here is the caller graph for this function:



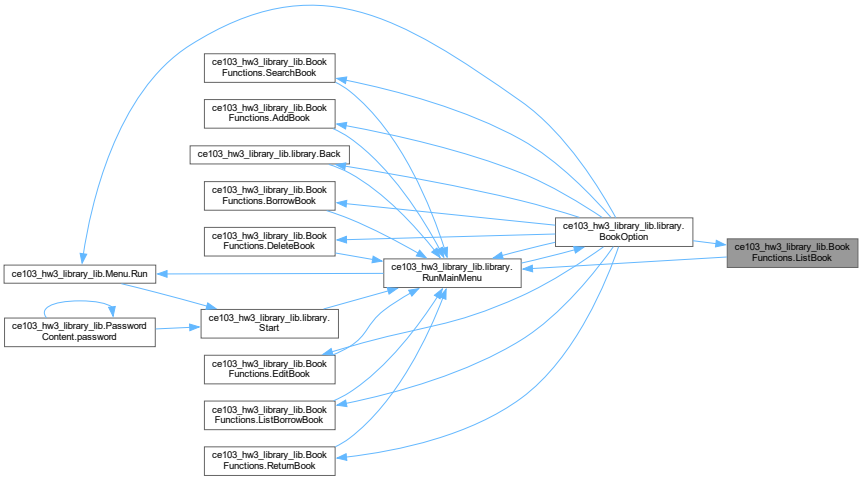
6.1.1.5 ListBook() `void ce103_hw3_library_lib.BookFunctions.ListBook ( )`

References ce103_hw3_library_lib.FileUtility.ReadBlock(), and ce103_hw3_library_lib.library.RunMainMenu().
Referenced by ce103_hw3_library_lib.library.BookOption().

Here is the call graph for this function:



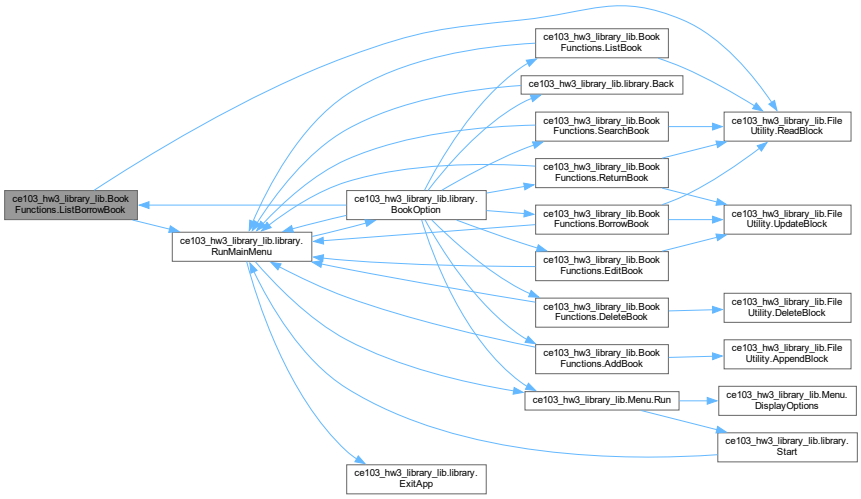
Here is the caller graph for this function:



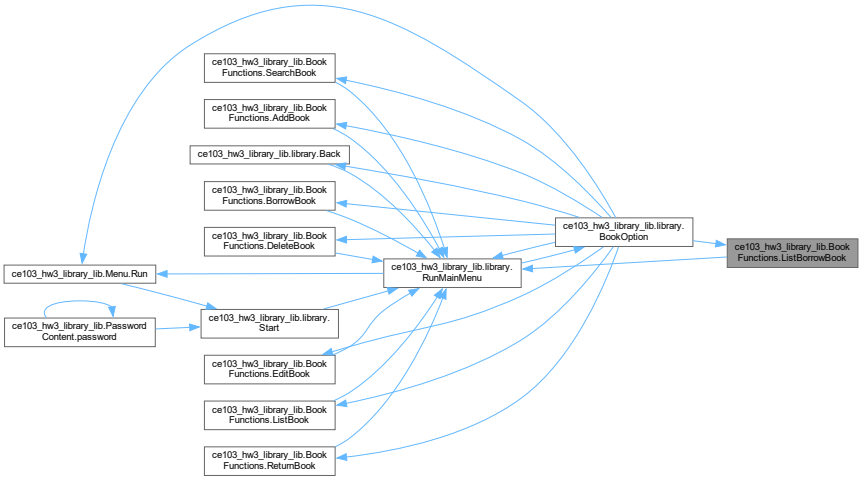
6.1.1.6 ListBorrowBook() `void ce103_hw3_library_lib.BookFunctions.ListBorrowBook ( )`

References ce103_hw3_library_lib.FileUtility.ReadBlock(), and ce103_hw3_library_lib.library.RunMainMenu().
Referenced by ce103_hw3_library_lib.library.BookOption().

Here is the call graph for this function:



Here is the caller graph for this function:

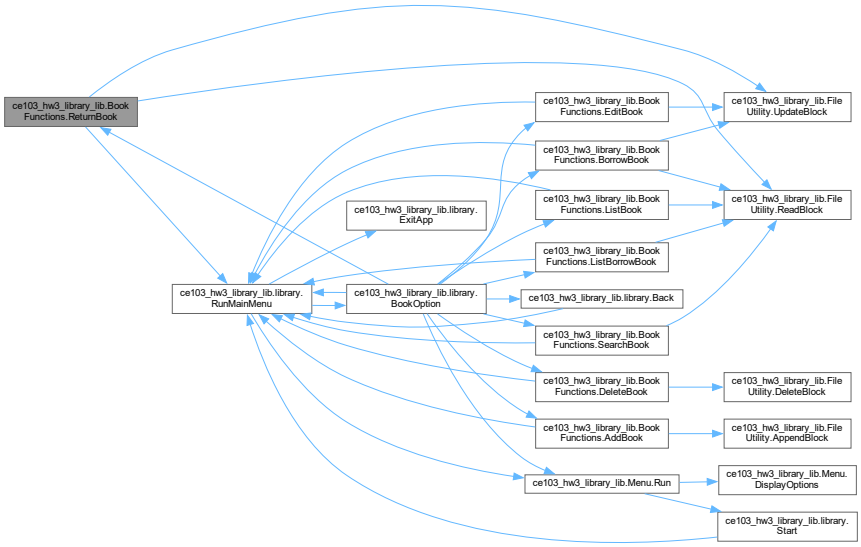


6.1.1.7 ReturnBook() `void ce103_hw3_library_lib.BookFunctions.ReturnBook ( )`

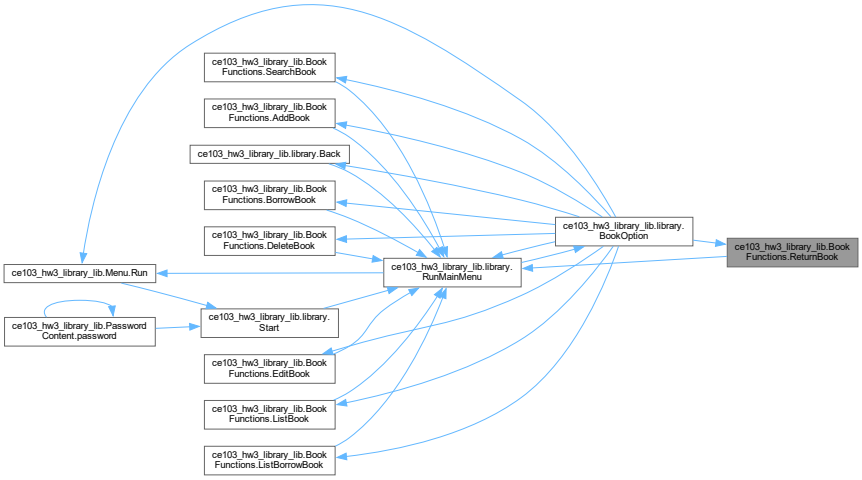
References ce103_hw3_library_lib.FileUtility.ReadBlock(), ce103_hw3_library_lib.library.RunMainMenu(), and ce103_hw3_library_lib.FileUtility.UpdateBlock().

Referenced by ce103_hw3_library_lib.library.BookOption().

Here is the call graph for this function:



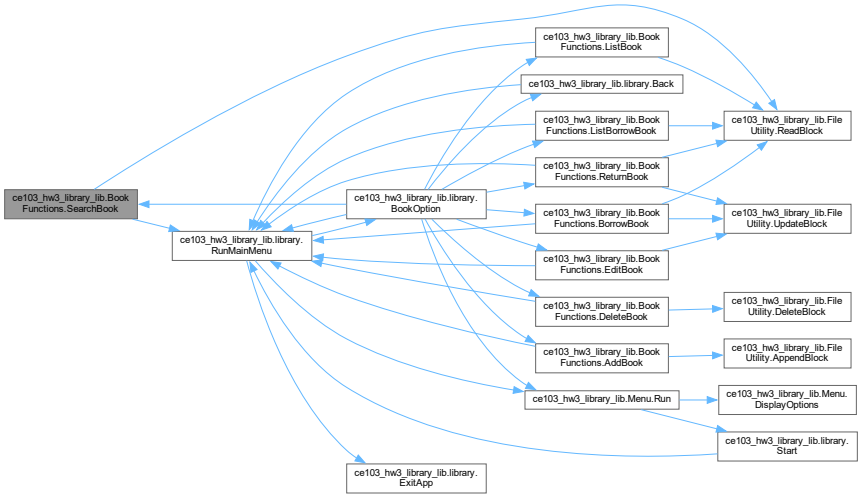
Here is the caller graph for this function:



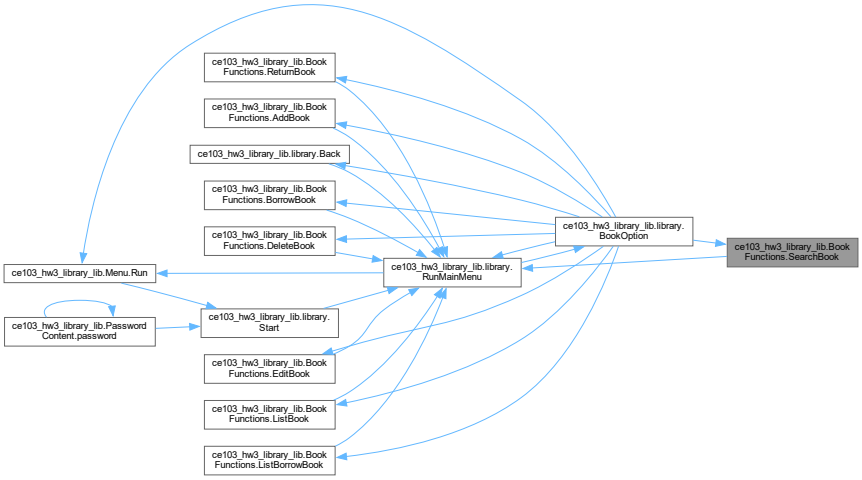
6.1.1.8 SearchBook() `void ce103_hw3_library_lib.BookFunctions.SearchBook ( )`

References ce103_hw3_library_lib.FileUtility.ReadBlock(), and ce103_hw3_library_lib.library.RunMainMenu().
Referenced by ce103_hw3_library_lib.library.BookOption().

Here is the call graph for this function:



Here is the caller graph for this function:



The documentation for this class was generated from the following file:

- BookFunctions.cs

6.2 ce103_hw3_library_lib.FileUtility Class Reference

Static Public Member Functions

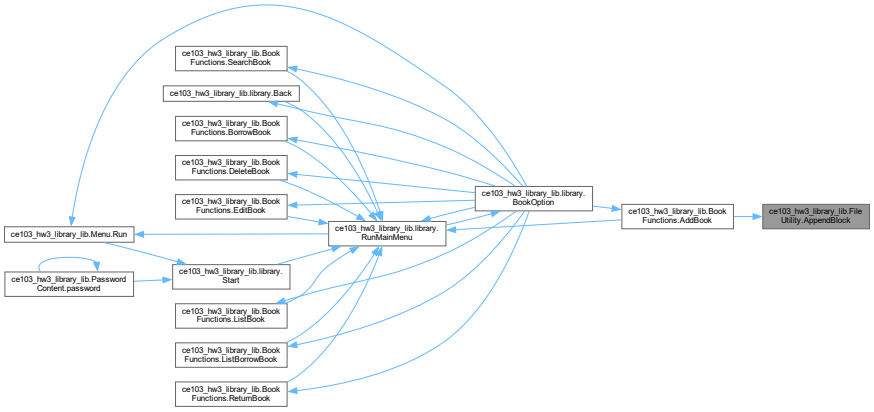
- static bool DeleteFile (string path)
- static byte[ ] ReadBlock (int count, int blocksize, string path)
- static bool AppendBlock (byte[ ] data, string path)
- static bool UpdateBlock (byte[ ] data, int count, int blocksize, string path)
- static bool DeleteBlock (int count, int blocksize, string path)

6.2.1 Member Function Documentation

6.2.1.1 AppendBlock()

```
static bool ce103_hw3_library_lib.FileUtility.AppendBlock (
        byte[] data,
        string path )  [static]
```

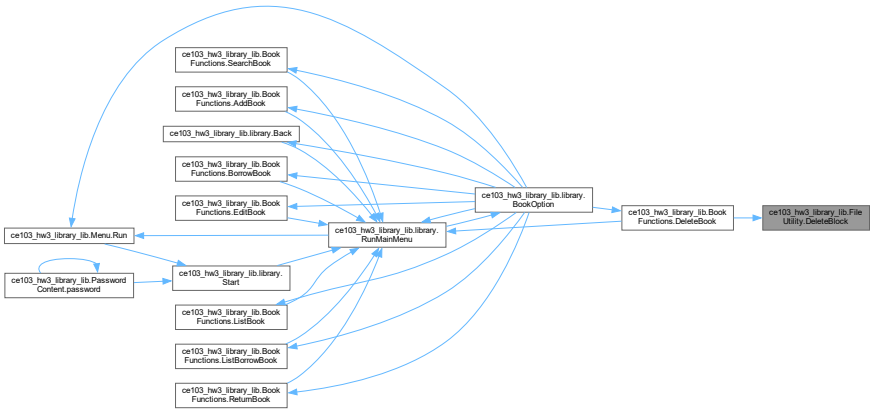
Referenced by ce103_hw3_library_lib.BookFunctions.AddBook().
Here is the caller graph for this function:



6.2.1.2 DeleteBlock()

```
static bool ce103_hw3_library_lib.FileUtility.DeleteBlock (
        int count,
        int blocksize,
        string path )  [static]
```

Referenced by ce103_hw3_library_lib.BookFunctions.DeleteBook().
Here is the caller graph for this function:



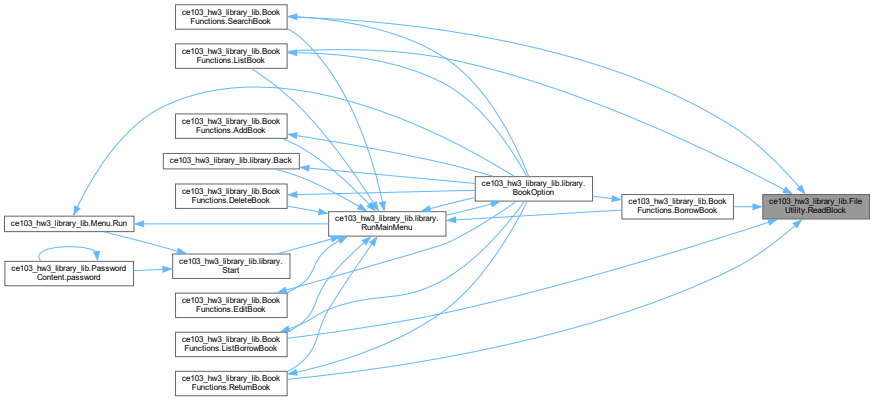
6.2.1.3 DeleteFile()

```
static bool ce103_hw3_library_lib.FileUtility.DeleteFile (
        string path )  [static]
```

6.2.1.4 ReadBlock()

```
static byte[] ce103_hw3_library_lib.FileUtility.ReadBlock (
        int count,
        int blocksize,
        string path )  [static]
```

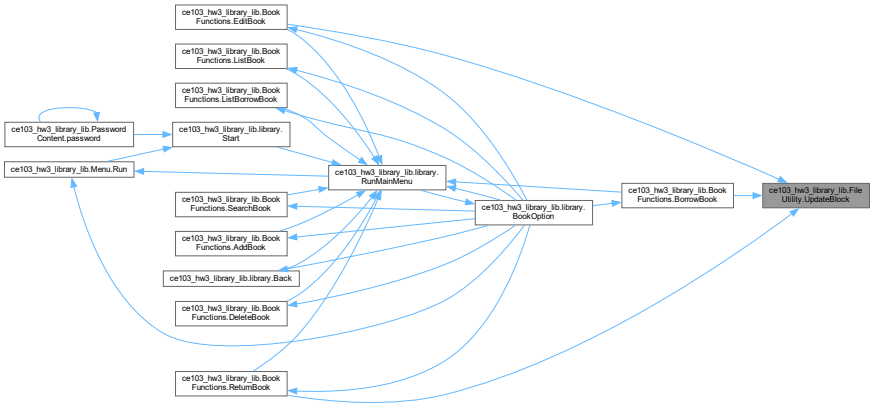
Referenced by ce103_hw3_library_lib.BookFunctions.BorrowBook(), ce103_hw3_library_lib.BookFunctions.ListBook(), ce103_hw3_library_lib.BookFunctions.ListBorrowBook(), ce103_hw3_library_lib.BookFunctions.ReturnBook(), and ce103_hw3_library_lib.BookFunctions.SearchBook().
Here is the caller graph for this function:



6.2.1.5 UpdateBlock()

```
static bool ce103_hw3_library_lib.FileUtility.UpdateBlock (
        byte[] data,
        int count,
        int blocksize,
        string path )  [static]
```

Referenced by ce103_hw3_library_lib.BookFunctions.BorrowBook(), ce103_hw3_library_lib.BookFunctions.EditBook(), and ce103_hw3_library_lib.BookFunctions.ReturnBook().
Here is the caller graph for this function:



The documentation for this class was generated from the following file:

- FileUtility.cs

6.3 ce103_hw3_library_lib.library Class Reference

Public Member Functions

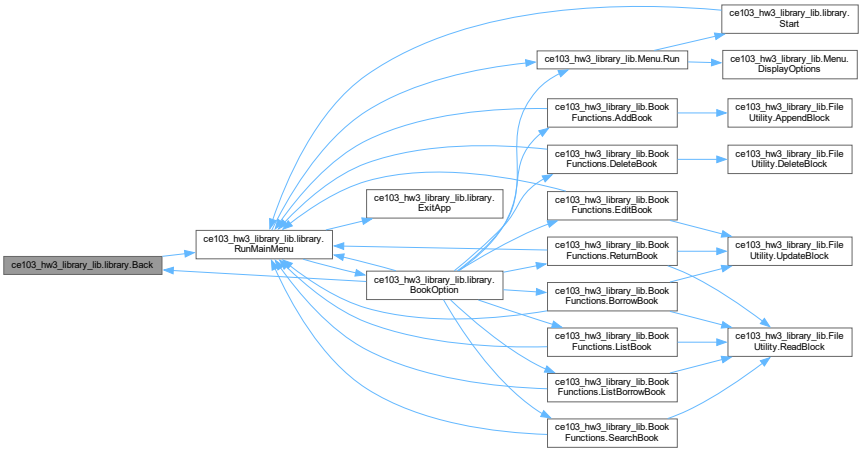
- void Start ()
- void RunMainMenu ()

- void BookOption ()
- void Back ()
- void ExitApp ()

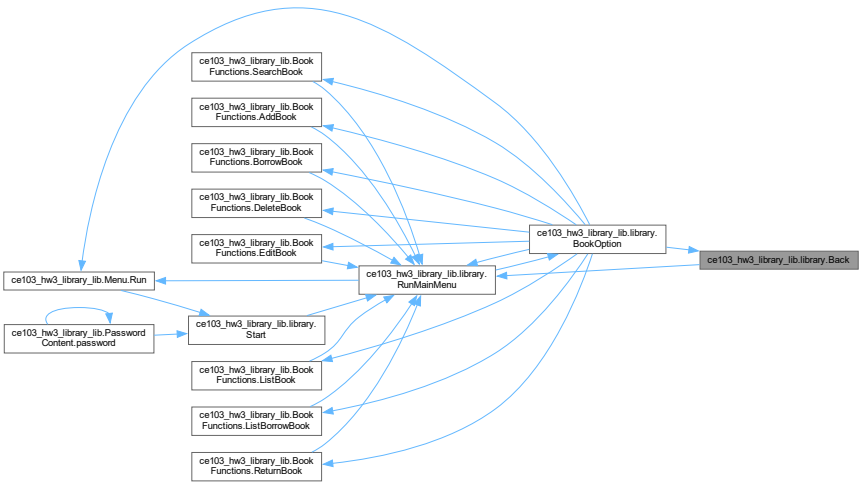
6.3.1 Member Function Documentation

6.3.1.1 Back() `void ce103_hw3_library_lib.library.Back ( )`

References ce103_hw3_library_lib.library.RunMainMenu().
Referenced by ce103_hw3_library_lib.library.BookOption().
Here is the call graph for this function:



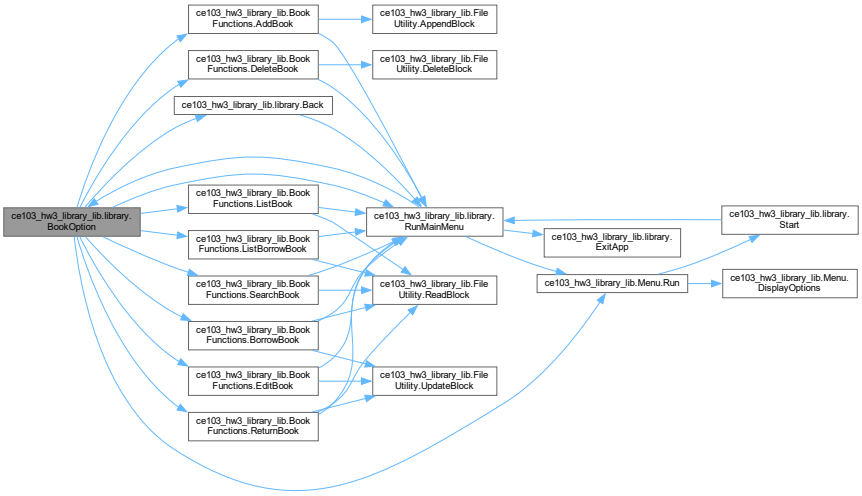
Here is the caller graph for this function:



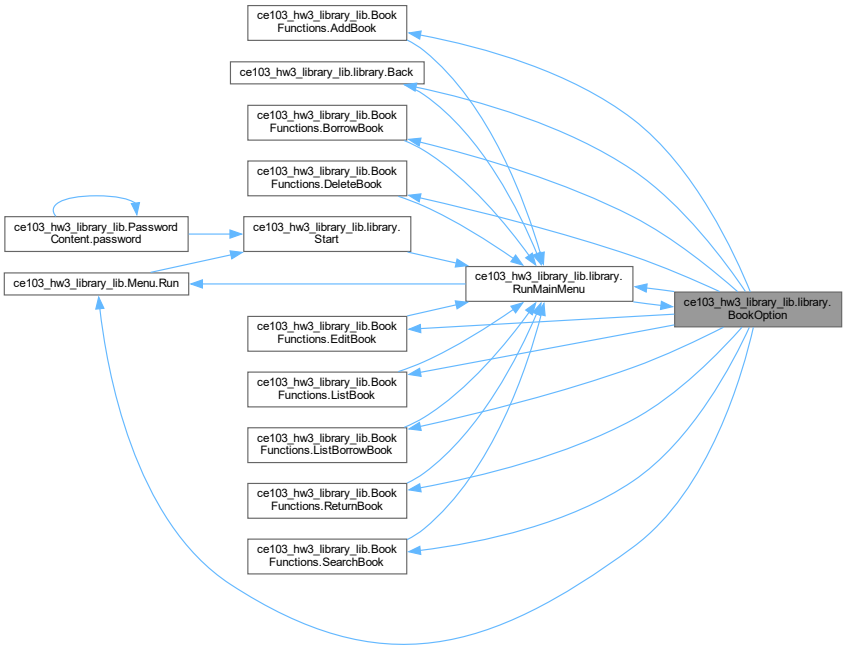
6.3.1.2 BookOption() `void ce103_hw3_library_lib.library.BookOption ( )`

References ce103_hw3_library_lib.BookFunctions.AddBook(), ce103_hw3_library_lib.library.Back(), ce103_hw3_library_lib.BookFunc
ce103_hw3_library_lib.BookFunctions.DeleteBook(), ce103_hw3_library_lib.BookFunctions.EditBook(), ce103_hw3_library_lib.BookF

ce103_hw3_library_lib.BookFunctions.ListBorrowBook(), ce103_hw3_library_lib.BookFunctions.ReturnBook(), ce103_hw3_library_lib.Menu.Run(), ce103_hw3_library_lib.library.RunMainMenu(), and ce103_hw3_library_lib.BookFunctions.Searcl
Referenced by ce103_hw3_library_lib.library.RunMainMenu().
Here is the call graph for this function:



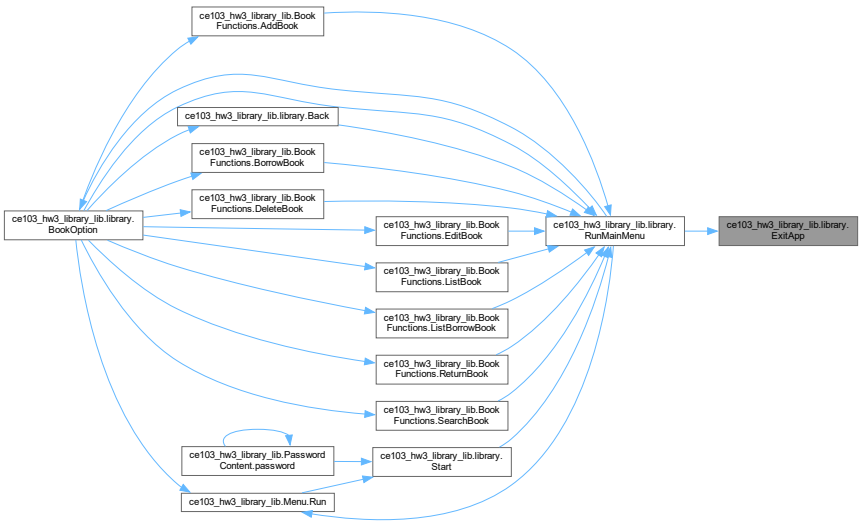
Here is the caller graph for this function:



6.3.1.3 ExitApp() `void ce103_hw3_library_lib.library.ExitApp ( )`

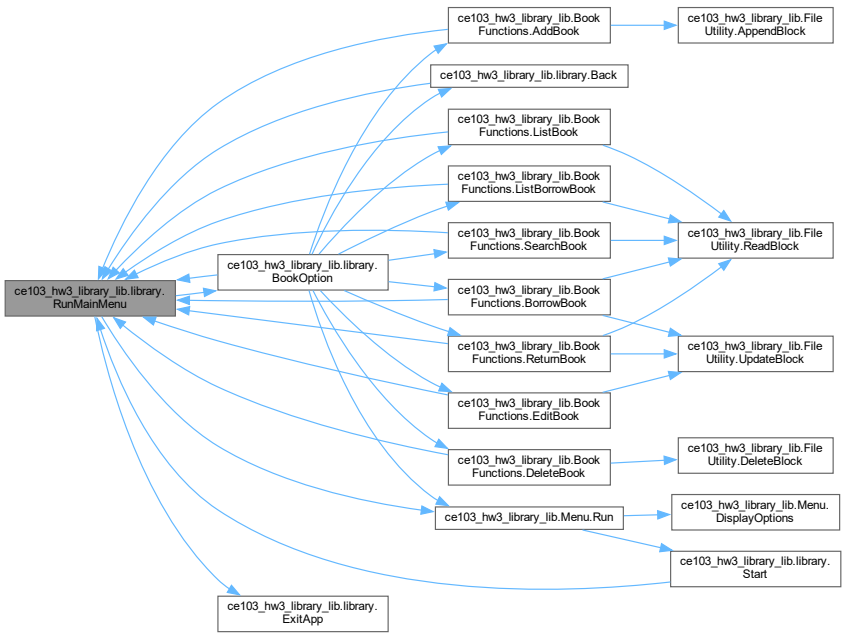
Referenced by ce103_hw3_library_lib.library.RunMainMenu().

Here is the caller graph for this function:

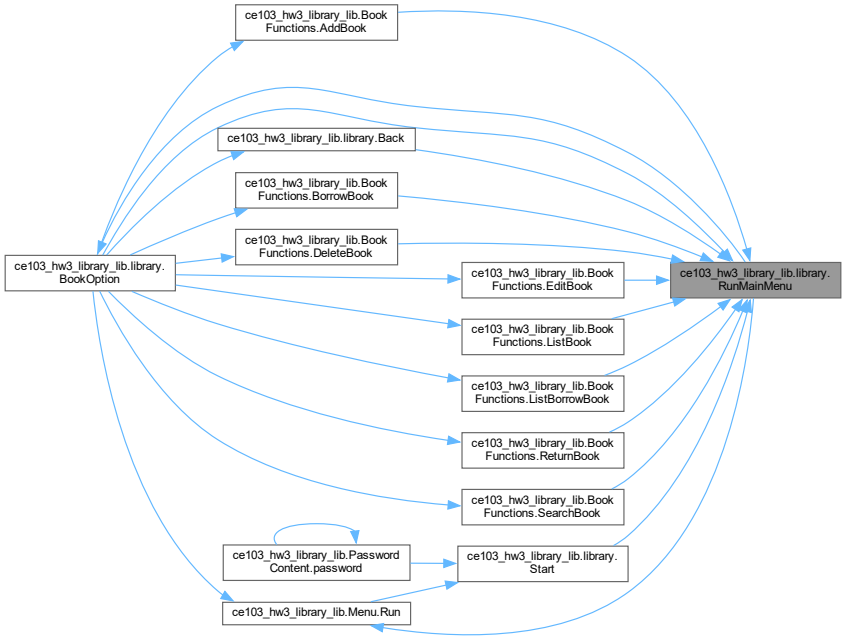


6.3.1.4 RunMainMenu() `void ce103_hw3_library_lib.library.RunMainMenu ( )`

References ce103_hw3_library_lib.library.BookOption(), ce103_hw3_library_lib.library.ExitApp(), and ce103_hw3_library_lib.Menu.Ru
Referenced by ce103_hw3_library_lib.BookFunctions.AddBook(), ce103_hw3_library_lib.library.Back(), ce103_hw3_library_lib.library.
ce103_hw3_library_lib.BookFunctions.BorrowBook(), ce103_hw3_library_lib.BookFunctions.DeleteBook(),
ce103_hw3_library_lib.BookFunctions.EditBook(), ce103_hw3_library_lib.BookFunctions.ListBook(), ce103_hw3_library_lib.BookFun
ce103_hw3_library_lib.BookFunctions.ReturnBook(), ce103_hw3_library_lib.BookFunctions.SearchBook(), and
ce103_hw3_library_lib.library.Start().
Here is the call graph for this function:

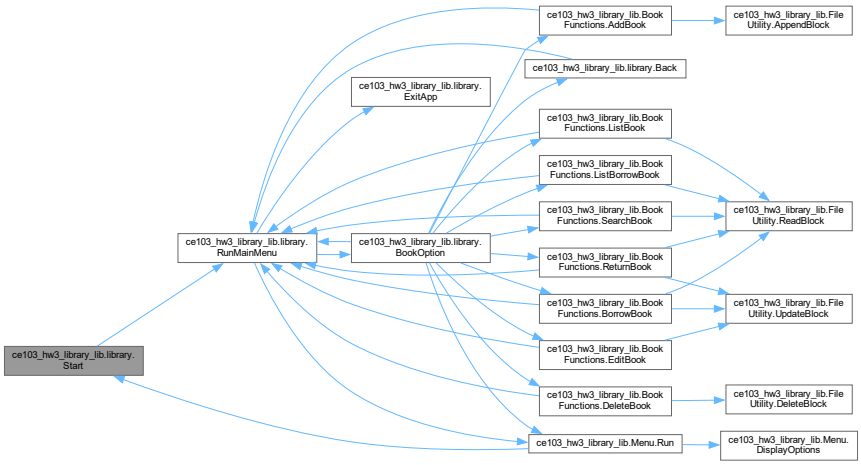


Here is the caller graph for this function:

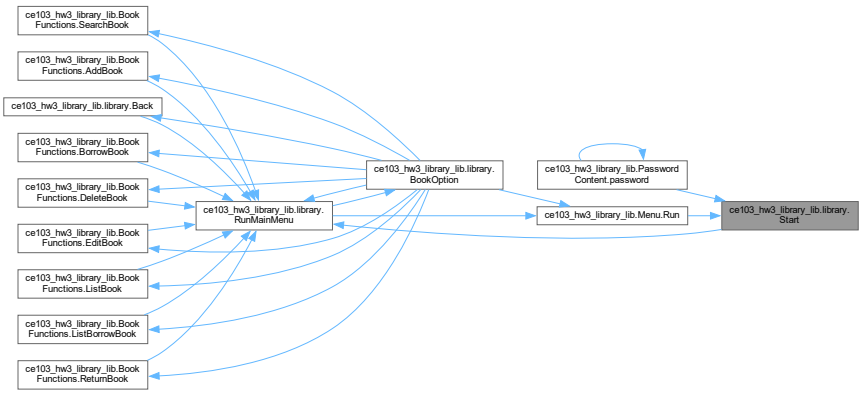


6.3.1.5 Start() `void ce103_hw3_library_lib.library.Start ( )`

References ce103_hw3_library_lib.library.RunMainMenu().
Referenced by ce103_hw3_library_lib.PasswordContent.password(), and ce103_hw3_library_lib.Menu.Run().
Here is the call graph for this function:



Here is the caller graph for this function:



The documentation for this class was generated from the following file:

- MainMenu.cs

6.4 ce103_hw3_library_lib.Menu Class Reference

Public Member Functions

- Menu (string prompt, string[ ] options)
- void DisplayOptions ()
- int Run ()

6.4.1 Constructor & Destructor Documentation

6.4.1.1 Menu()

```
ce103_hw3_library_lib.Menu.Menu (
        string prompt,
        string[] options )
```

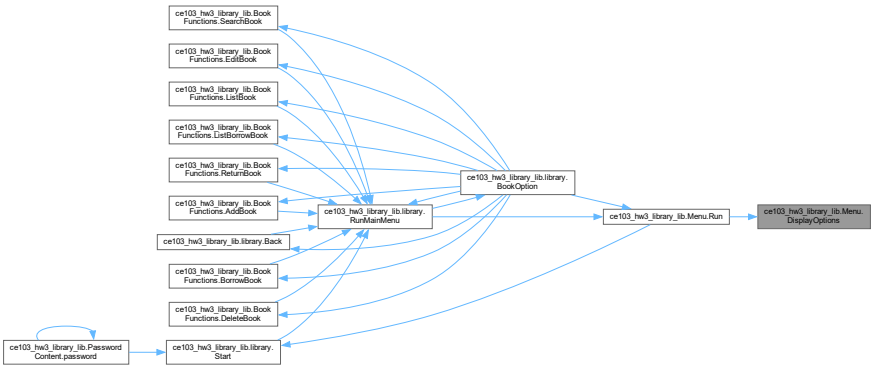
6.4.2 Member Function Documentation

6.4.2.1 DisplayOptions()

```
void ce103_hw3_library_lib.Menu.DisplayOptions ( )
```

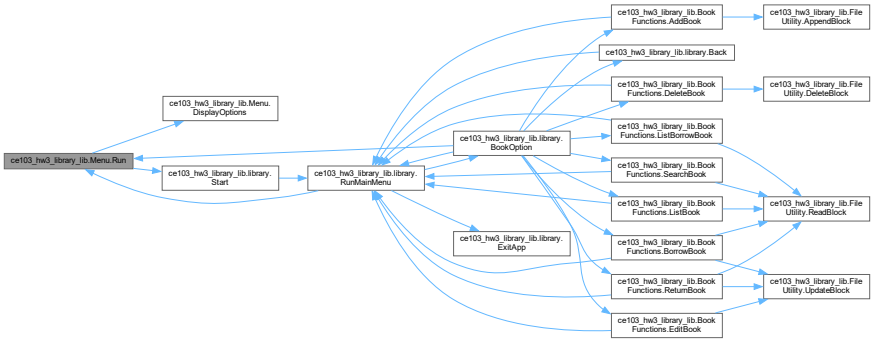
Referenced by ce103_hw3_library_lib.Menu.Run().

Here is the caller graph for this function:

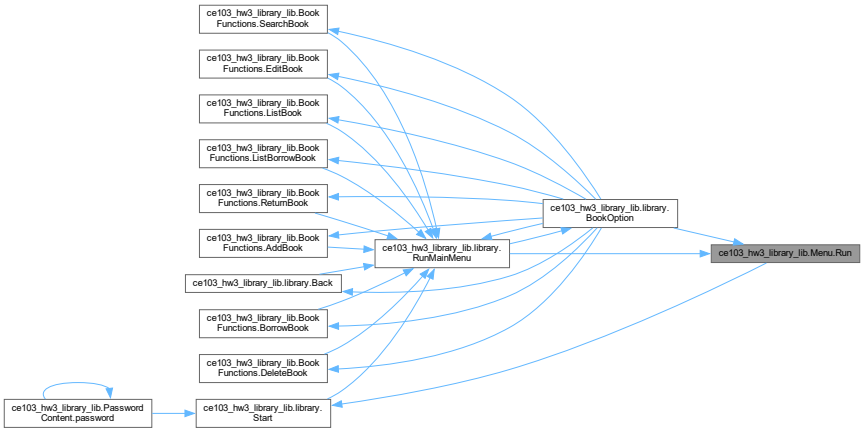


6.4.2.2 Run() `int ce103_hw3_library_lib.Menu.Run ( )`

References ce103_hw3_library_lib.Menu.DisplayOptions(), and ce103_hw3_library_lib.library.Start().
Referenced by ce103_hw3_library_lib.library.BookOption(), and ce103_hw3_library_lib.library.RunMainMenu().
Here is the call graph for this function:



Here is the caller graph for this function:



The documentation for this class was generated from the following file:

- MainMenu.cs

6.5 ce103_hw3_library_lib.PasswordContent Class Reference

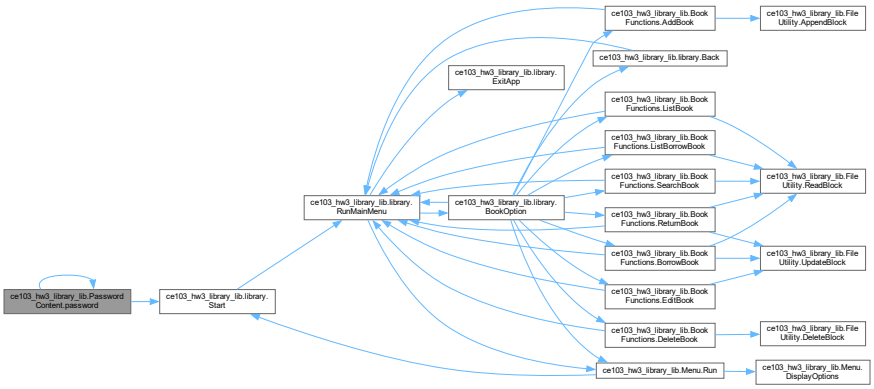
Public Member Functions

- void password ()

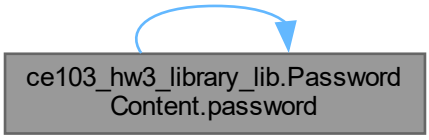
6.5.1 Member Function Documentation

6.5.1.1 password() `void ce103_hw3_library_lib.PasswordContent.password ( )`

References ce103_hw3_library_lib.PasswordContent.password(), and ce103_hw3_library_lib.library.Start().
Referenced by ce103_hw3_library_lib.PasswordContent.password().
Here is the call graph for this function:



Here is the caller graph for this function:



The documentation for this class was generated from the following file:

- PasswordContent.cs

7 File Documentation

7.1 .NETFramework,Version=v4.8.AssemblyAttributes.cs File Reference

7.2 .NETFramework,Version=v4.8.AssemblyAttributes.cs File Reference

7.3 .NETFramework,Version=v4.8.AssemblyAttributes.cs File Reference

7.4 .NETFramework,Version=v4.8.AssemblyAttributes.cs File Reference

7.5 Program.cs File Reference

Classes

- class **ce103_hw3_library_app.Program**

Namespaces

- namespace ce103_hw3_library_app

7.6 AssemblyInfo.cs File Reference

7.7 AssemblyInfo.cs File Reference

7.8 Book.cs File Reference

Classes

- class **ce103_hw3_library_lib.Book**

Namespaces

- namespace ce103_hw3_library_lib

7.9 BookFunctions.cs File Reference

Classes

- class ce103_hw3_library_lib.BookFunctions

Namespaces

- namespace ce103_hw3_library_lib

7.10 ConversionUtility.cs File Reference

Classes

- class **ce103_hw3_library_lib.ConversionUtility**

Namespaces

- namespace ce103_hw3_library_lib

7.11 FileUtility.cs File Reference

Classes

- class ce103_hw3_library_lib.FileUtility

Namespaces

- namespace ce103_hw3_library_lib

7.12 MainMenu.cs File Reference

Classes

- class ce103_hw3_library_lib.Menu
- class ce103_hw3_library_lib.library

Namespaces

- namespace ce103_hw3_library_lib

7.13 PasswordContent.cs File Reference

Classes

- class ce103_hw3_library_lib.PasswordContent

Namespaces

- namespace ce103_hw3_library_lib

7.14 SampleMarkdownFile.md File Reference

Index

.NETFramework,Version=v4.8.AssemblyAttributes.cs, 22

AddBook
    ce103_hw3_library_lib.BookFunctions, 5
AppendBlock
    ce103_hw3_library_lib.FileUtility, 12
AssemblyInfo.cs, 22

Back
    ce103_hw3_library_lib.library, 15
Book.cs, 22
BookFunctions.cs, 22
BookOption
    ce103_hw3_library_lib.library, 15
BorrowBook
    ce103_hw3_library_lib.BookFunctions, 5

ce103_hw3_library_app, 4
ce103_hw3_library_lib, 4
ce103_hw3_library_lib.BookFunctions, 4
    AddBook, 5
    BorrowBook, 5
    DeleteBook, 6
    EditBook, 7
    ListBook, 8
    ListBorrowBook, 9
    ReturnBook, 10
    SearchBook, 11
ce103_hw3_library_lib.FileUtility, 12
    AppendBlock, 12
    DeleteBlock, 13
    DeleteFile, 13
    ReadBlock, 13
    UpdateBlock, 14
ce103_hw3_library_lib.library, 14
    Back, 15
    BookOption, 15
    ExitApp, 16
    RunMainMenu, 17
    Start, 18
ce103_hw3_library_lib.Menu, 19
    DisplayOptions, 19
    Menu, 19
    Run, 20
ce103_hw3_library_lib.PasswordContent, 21
    password, 21
ConversionUtility.cs, 22

DeleteBlock
    ce103_hw3_library_lib.FileUtility, 13
DeleteBook
    ce103_hw3_library_lib.BookFunctions, 6
DeleteFile
    ce103_hw3_library_lib.FileUtility, 13
DisplayOptions
    ce103_hw3_library_lib.Menu, 19

EditBook
    ce103_hw3_library_lib.BookFunctions, 7
ExitApp
    ce103_hw3_library_lib.library, 16

FileUtility.cs, 22

ListBook
    ce103_hw3_library_lib.BookFunctions, 8
ListBorrowBook
    ce103_hw3_library_lib.BookFunctions, 9

MainMenu.cs, 23
Menu
    ce103_hw3_library_lib.Menu, 19

password
    ce103_hw3_library_lib.PasswordContent, 21
PasswordContent.cs, 23
Program.cs, 22

ReadBlock
    ce103_hw3_library_lib.FileUtility, 13
ReturnBook
    ce103_hw3_library_lib.BookFunctions, 10
Run
    ce103_hw3_library_lib.Menu, 20
RunMainMenu
    ce103_hw3_library_lib.library, 17

SampleMarkdownFile.md, 23
SearchBook
    ce103_hw3_library_lib.BookFunctions, 11
Start
    ce103_hw3_library_lib.library, 18

UpdateBlock
    ce103_hw3_library_lib.FileUtility, 14