

## CE103 Algorithms and Programming I HW4

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|   |          |
|---|----------|
| <b>1 Namespace Index</b>                | <b>1</b> |
| 1.1 Package List                        | 1        |
| <b>2 Class Index</b>                    | <b>3</b> |
| 2.1 Class List                          | 3        |
| <b>3 File Index</b>                     | <b>5</b> |
| 3.1 File List                           | 5        |
| <b>4 Namespace Documentation</b>        | <b>7</b> |
| 4.1 Package APP                         | 7        |
| 4.2 Package DLL                         | 7        |
| <b>5 Class Documentation</b>            | <b>9</b> |
| 5.1 DLL.BillFeature Class Reference     | 9        |
| 5.1.1 Member Function Documentation     | 10       |
| 5.1.1.1 BookToByteArrayBlock()          | 10       |
| 5.1.1.2 ByteArrayBlockToBook()          | 11       |
| 5.1.1.3 getBillId()                     | 11       |
| 5.1.1.4 getCustomerId()                 | 12       |
| 5.1.1.5 getMedicineId()                 | 12       |
| 5.1.1.6 getMedicineQuantity()           | 12       |
| 5.1.1.7 setCustomerId()                 | 13       |
| 5.1.1.8 setId()                         | 13       |
| 5.1.1.9 setMedicineId()                 | 14       |
| 5.1.1.10 setMedicineQuantity()          | 14       |
| 5.1.2 Member Data Documentation         | 14       |
| 5.1.2.1 _billId                         | 14       |
| 5.1.2.2 _customerId                     | 15       |
| 5.1.2.3 _medicineId                     | 15       |
| 5.1.2.4 _medicineQuantity               | 15       |
| 5.1.2.5 BILL_DATA_BLOCK_SIZE            | 15       |
| 5.1.2.6 BILL_ID_LENGTH                  | 15       |
| 5.1.2.7 CUSTOMER_ID_MAX_LENGTH          | 15       |
| 5.1.2.8 MEDICINE_ID_LENGTH              | 16       |
| 5.1.2.9 MEDICINE_QUANTITY_LENGTH        | 16       |
| 5.2 DLL.CustomerFeature Class Reference | 16       |
| 5.2.1 Member Function Documentation     | 17       |
| 5.2.1.1 BookToByteArrayBlock()          | 17       |
| 5.2.1.2 ByteArrayBlockToBook()          | 18       |
| 5.2.1.3 getCityName()                   | 19       |
| 5.2.1.4 getContactNum()                 | 19       |
| 5.2.1.5 getCustomerName()               | 20       |
| 5.2.1.6 getEmail()                      | 20       |

|          |                                    |    |
|----------|------------------------------------|----|
| 5.2.1.7  | getId()                            | 21 |
| 5.2.1.8  | setCityName()                      | 21 |
| 5.2.1.9  | setContactNum()                    | 22 |
| 5.2.1.10 | setCustomerName()                  | 22 |
| 5.2.1.11 | setEmail()                         | 23 |
| 5.2.1.12 | setId()                            | 23 |
| 5.2.2    | Member Data Documentation          | 24 |
| 5.2.2.1  | _cityName                          | 24 |
| 5.2.2.2  | _contactNum                        | 24 |
| 5.2.2.3  | _customerName                      | 24 |
| 5.2.2.4  | _email                             | 24 |
| 5.2.2.5  | _id                                | 25 |
| 5.2.2.6  | CITY_NAME_MAX_LENGTH               | 25 |
| 5.2.2.7  | CONTACT_NUMBER_MAX_LENGTH          | 25 |
| 5.2.2.8  | CUSTOMER_DATA_BLOCK_SIZE           | 25 |
| 5.2.2.9  | CUSTOMER_NAME_MAX_LENGTH           | 25 |
| 5.2.2.10 | EMAIL_MAX_LENGTH                   | 25 |
| 5.2.2.11 | ID_LENGTH                          | 26 |
| 5.3      | DLL.DataOperations Class Reference | 26 |
| 5.3.1    | Member Function Documentation      | 26 |
| 5.3.1.1  | byteArrayToDouble()                | 26 |
| 5.3.1.2  | byteArrayToFloat()                 | 27 |
| 5.3.1.3  | byteArrayToInteger()               | 27 |
| 5.3.1.4  | byteArrayToLong()                  | 28 |
| 5.3.1.5  | byteArrayToString()                | 28 |
| 5.3.1.6  | convertLongToByteArray()           | 29 |
| 5.3.1.7  | doubleToByteArray()                | 29 |
| 5.3.1.8  | floatToByteArray()                 | 29 |
| 5.3.1.9  | GetInt()                           | 30 |
| 5.3.1.10 | integerToByteArray()               | 30 |
| 5.3.1.11 | IsHex()                            | 31 |
| 5.3.1.12 | StringToByteArray()                | 31 |
| 5.3.1.13 | ToAscii()                          | 32 |
| 5.3.1.14 | ToByte()                           | 32 |
| 5.3.1.15 | ToHex()                            | 32 |
| 5.4      | DLL.FileOperations Class Reference | 32 |
| 5.4.1    | Member Function Documentation      | 33 |
| 5.4.1.1  | appendBlock()                      | 33 |
| 5.4.1.2  | deleteBlock()                      | 33 |
| 5.4.1.3  | deleteBlock2()                     | 34 |
| 5.4.1.4  | readBlock()                        | 34 |
| 5.4.1.5  | updateBlock()                      | 35 |

|   |    |
|---|----|
| 5.4.1.6 writeLine()                     | 35 |
| 5.5 DLL.MainFunctions Class Reference   | 36 |
| 5.5.1 Member Function Documentation     | 36 |
| 5.5.1.1 AddBill()                       | 36 |
| 5.5.1.2 AddCustomer()                   | 37 |
| 5.5.1.3 AddMedicine()                   | 38 |
| 5.5.1.4 AddSaleMedicine()               | 39 |
| 5.5.1.5 AddSupplier()                   | 40 |
| 5.5.1.6 ControlFile()                   | 41 |
| 5.6 APP.MainMenu Class Reference        | 42 |
| 5.6.1 Member Function Documentation     | 42 |
| 5.6.1.1 main()                          | 43 |
| 5.6.1.2 option1()                       | 44 |
| 5.6.1.3 option2()                       | 45 |
| 5.6.1.4 option3()                       | 46 |
| 5.6.1.5 option4()                       | 48 |
| 5.6.1.6 option5()                       | 50 |
| 5.6.1.7 option6()                       | 51 |
| 5.7 DLL.MedicineFeature Class Reference | 51 |
| 5.7.1 Member Function Documentation     | 52 |
| 5.7.1.1 BookToByteArrayBlock()          | 52 |
| 5.7.1.2 ByteArrayBlockToBook()          | 53 |
| 5.7.1.3 getCabnit()                     | 55 |
| 5.7.1.4 getCompanyName()                | 55 |
| 5.7.1.5 getMedicineId()                 | 56 |
| 5.7.1.6 getMedicineName()               | 56 |
| 5.7.1.7 getMedicineSupplier()           | 57 |
| 5.7.1.8 getPrice()                      | 57 |
| 5.7.1.9 getQuantity()                   | 58 |
| 5.7.1.10 getRack()                      | 58 |
| 5.7.1.11 setCabnit()                    | 59 |
| 5.7.1.12 setCompanyName()               | 59 |
| 5.7.1.13 setMedicineId()                | 60 |
| 5.7.1.14 setMedicineName()              | 60 |
| 5.7.1.15 setMedicineSupplier()          | 61 |
| 5.7.1.16 setPrice()                     | 61 |
| 5.7.1.17 setQuantity()                  | 62 |
| 5.7.1.18 setRack()                      | 62 |
| 5.7.2 Member Data Documentation         | 62 |
| 5.7.2.1 _cabnit                         | 62 |
| 5.7.2.2 _companyName                    | 63 |
| 5.7.2.3 _medicineId                     | 63 |

|   |    |
|---|----|
| 5.7.2.4 _medicineName . . . . .                       | 63 |
| 5.7.2.5 _medicineSupplier . . . . .                   | 63 |
| 5.7.2.6 _price . . . . .                              | 63 |
| 5.7.2.7 _quantity . . . . .                           | 63 |
| 5.7.2.8 _rack . . . . .                               | 64 |
| 5.7.2.9 CABNIT_NUMBER_MAX_LENGTH . . . . .            | 64 |
| 5.7.2.10 COMPANY_NAME_MAX_LENGTH . . . . .            | 64 |
| 5.7.2.11 MEDICINE_DATA_BLOCK_SIZE . . . . .           | 64 |
| 5.7.2.12 MEDICINE_ID_LENGTH . . . . .                 | 64 |
| 5.7.2.13 MEDICINE_NAME_MAX_LENGTH . . . . .           | 64 |
| 5.7.2.14 MEDICINE_PRICE_LENGTH . . . . .              | 65 |
| 5.7.2.15 MEDICINE_SUPPLIER_NAME_MAX_LENGTH . . . . .  | 65 |
| 5.7.2.16 QUANTITY_MAX_LENGTH . . . . .                | 65 |
| 5.7.2.17 RACK_NUMBER_MAX_LENGTH . . . . .             | 65 |
| 5.8 DLL.MenuDesign Class Reference . . . . .          | 65 |
| 5.8.1 Member Function Documentation . . . . .         | 65 |
| 5.8.1.1 printMenu() . . . . .                         | 66 |
| 5.9 DLL.SaleMedicineFeature Class Reference . . . . . | 66 |
| 5.9.1 Member Function Documentation . . . . .         | 67 |
| 5.9.1.1 BookToByteArrayBlock() . . . . .              | 67 |
| 5.9.1.2 ByteArrayBlockToBook() . . . . .              | 68 |
| 5.9.1.3 getCustomerId() . . . . .                     | 69 |
| 5.9.1.4 getMedicineId() . . . . .                     | 69 |
| 5.9.1.5 getMedicineQuantity() . . . . .               | 70 |
| 5.9.1.6 getSaleDate() . . . . .                       | 70 |
| 5.9.1.7 setCustomerId() . . . . .                     | 70 |
| 5.9.1.8 setMedicineId() . . . . .                     | 71 |
| 5.9.1.9 setMedicineQuantity() . . . . .               | 71 |
| 5.9.1.10 setSaleDate() . . . . .                      | 71 |
| 5.9.2 Member Data Documentation . . . . .             | 72 |
| 5.9.2.1 _customerId . . . . .                         | 72 |
| 5.9.2.2 _medicineId . . . . .                         | 72 |
| 5.9.2.3 _medicineQuantity . . . . .                   | 72 |
| 5.9.2.4 _saleDate . . . . .                           | 72 |
| 5.9.2.5 CUSTOMER_ID_MAX_LENGTH . . . . .              | 72 |
| 5.9.2.6 MEDICINE_ID_LENGTH . . . . .                  | 73 |
| 5.9.2.7 MEDICINE_QUANTITY_LENGTH . . . . .            | 73 |
| 5.9.2.8 SALE_DATA_BLOCK_SIZE . . . . .                | 73 |
| 5.9.2.9 SALE_DATE . . . . .                           | 73 |
| 5.10 DLL.SupplierFeature Class Reference . . . . .    | 73 |
| 5.10.1 Member Function Documentation . . . . .        | 74 |
| 5.10.1.1 BookToByteArrayBlock() . . . . .             | 74 |

|  |    |
|--|----|
| 5.10.1.2 ByteArrayBlockToBook()                | 75 |
| 5.10.1.3 getCityName()                         | 76 |
| 5.10.1.4 getContactNum()                       | 77 |
| 5.10.1.5 getEmail()                            | 77 |
| 5.10.1.6 getId()                               | 78 |
| 5.10.1.7 getSupplierName()                     | 78 |
| 5.10.1.8 setCityName()                         | 79 |
| 5.10.1.9 setContactNum()                       | 79 |
| 5.10.1.10 setEmail()                           | 80 |
| 5.10.1.11 setId()                              | 80 |
| 5.10.1.12 setSupplierName()                    | 81 |
| 5.10.2 Member Data Documentation               | 81 |
| 5.10.2.1 _cityName                             | 81 |
| 5.10.2.2 _contactNum                           | 81 |
| 5.10.2.3 _email                                | 81 |
| 5.10.2.4 _id                                   | 82 |
| 5.10.2.5 _supplierName                         | 82 |
| 5.10.2.6 CITY_NAME_MAX_LENGTH                  | 82 |
| 5.10.2.7 CONTACT_NUMBER_MAX_LENGTH             | 82 |
| 5.10.2.8 EMAIL_MAX_LENGTH                      | 82 |
| 5.10.2.9 ID_LENGTH                             | 82 |
| 5.10.2.10 SUPPLIER_DATA_BLOCK_SIZE             | 83 |
| 5.10.2.11 SUPPLIER_NAME_MAX_LENGTH             | 83 |
| 5.11 DLL.UnitTest Class Reference              | 83 |
| 5.11.1 Member Function Documentation           | 83 |
| 5.11.1.1 testAddBill()                         | 84 |
| 5.11.1.2 testAddCustomer()                     | 84 |
| 5.11.1.3 testAddMedicine()                     | 85 |
| 5.11.1.4 testAddSaleMedicine()                 | 85 |
| 5.11.1.5 testAddSupplier()                     | 85 |
| 5.11.1.6 testByteArrayBlockToBook()            | 86 |
| 5.11.1.7 testByteArrayToFloat()                | 87 |
| 5.11.1.8 testByteArrayToHexString()            | 88 |
| 5.11.1.9 testByteArrayToInteger()              | 88 |
| 5.11.1.10 testByteArrayToLong()                | 88 |
| 5.11.1.11 testByteArrayToString()              | 89 |
| 5.11.1.12 testGetInt()                         | 89 |
| 5.11.1.13 testHexStringToByteArray()           | 89 |
| 5.11.1.14 testIsHex()                          | 90 |
| 5.11.1.15 testReadBlock()                      | 90 |
| 5.11.1.16 testSupplierCreation()               | 90 |
| 5.11.1.17 testSupplierCreationAndFileWriting() | 91 |

|   |           |
|---|-----------|
| 5.11.1.18 testUpdateBlock()   | 92        |
| 5.11.1.19 testWriteLine()   | 92        |
| <b>6 File Documentation</b>   | <b>95</b> |
| 6.1 C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-app/src/APP/Main↔<br>Menu.java File Reference            | 95        |
| 6.2 C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/BillFeature.java<br>File Reference           | 95        |
| 6.3 C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/Custom↔<br>erFeature.java File Reference     | 95        |
| 6.4 C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/Data↔<br>Operations.java File Reference      | 96        |
| 6.5 C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/File↔<br>Operations.java File Reference      | 96        |
| 6.6 C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/Main↔<br>Functions.java File Reference       | 96        |
| 6.7 C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/Medicine↔<br>Feature.java File Reference     | 96        |
| 6.8 C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/Menu↔<br>Design.java File Reference          | 97        |
| 6.9 C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/Sale↔<br>MedicineFeature.java File Reference | 97        |
| 6.10 C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/Supplier↔<br>Feature.java File Reference    | 97        |
| 6.11 C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/Unit↔<br>Test.java File Reference           | 97        |
| <b>Index</b>  | <b>99</b> |



# Chapter 1

## Namespace Index

### 1.1 Package List

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

|                     |       |                   |
|---------------------|-------|-------------------|
| <a href="#">APP</a> | ..... | <a href="#">7</a> |
| <a href="#">DLL</a> | ..... | <a href="#">7</a> |



## Chapter 2

# Class Index

### 2.1 Class List

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

|   |    |
|---|----|
| <a href="#">DLL.BillFeature</a>         | 9  |
| <a href="#">DLL.CustomerFeature</a>     | 16 |
| <a href="#">DLL.DataOperations</a>      | 26 |
| <a href="#">DLL.FileOperations</a>      | 32 |
| <a href="#">DLL.MainFunctions</a>       | 36 |
| <a href="#">APP.MainMenu</a>            | 42 |
| <a href="#">DLL.MedicineFeature</a>     | 51 |
| <a href="#">DLL.MenuDesign</a>          | 65 |
| <a href="#">DLL.SaleMedicineFeature</a> | 66 |
| <a href="#">DLL.SupplierFeature</a>     | 73 |
| <a href="#">DLL.UnitTest</a>            | 83 |



## Chapter 3

# File Index

### 3.1 File List

Here is a list of all files with brief descriptions:

|   |    |
|---|----|
| C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-app/src/APP/MainMenu.java            | 95 |
| C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/BillFeature.java         | 95 |
| C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/CustomerFeature.java     | 95 |
| C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/DataOperations.java      | 96 |
| C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/FileOperations.java      | 96 |
| C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/MainFunctions.java       | 96 |
| C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/MedicineFeature.java     | 96 |
| C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/MenuDesign.java          | 97 |
| C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/SaleMedicineFeature.java | 97 |
| C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/SupplierFeature.java     | 97 |
| C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/UnitTest.java            | 97 |



## Chapter 4

# Namespace Documentation

### 4.1 Package APP

#### Classes

- class [MainMenu](#)

### 4.2 Package DLL

#### Classes

- class [BillFeature](#)
- class [CustomerFeature](#)
- class [DataOperations](#)
- class [FileOperations](#)
- class [MainFunctions](#)
- class [MedicineFeature](#)
- class [MenuDesign](#)
- class [SaleMedicineFeature](#)
- class [SupplierFeature](#)
- class [UnitTest](#)





## Chapter 5

# Class Documentation

### 5.1 DLL.BillFeature Class Reference

#### Public Member Functions

- final int [getBillId](#) ()
- final void [setId](#) (int value)
- final int [getCustomerId](#) ()
- final void [setCustomerId](#) (int value)
- final int [getMedicineId](#) ()
- final void [setMedicineId](#) (int value)
- final int [getMedicineQuantity](#) ()
- final void [setMedicineQuantity](#) (int value)

#### Static Public Member Functions

- static byte[] [BookToByteArrayBlock](#) (BillFeature bill)
- static [BillFeature](#) [ByteArrayBlockToBook](#) (byte[] byteArray)

#### Static Public Attributes

- static final int [BILL\\_ID\\_LENGTH](#) = 4
- static final int [CUSTOMER\\_ID\\_MAX\\_LENGTH](#) = 4
- static final int [MEDICINE\\_ID\\_LENGTH](#) = 4
- static final int [MEDICINE\\_QUANTITY\\_LENGTH](#) = 4
- static final int [BILL\\_DATA\\_BLOCK\\_SIZE](#) = [BILL\\_ID\\_LENGTH](#) + [CUSTOMER\\_ID\\_MAX\\_LENGTH](#) + [MEDICINE\\_ID\\_LENGTH](#) + [MEDICINE\\_QUANTITY\\_LENGTH](#)

#### Private Attributes

- int [\\_billId](#)
- int [\\_customerId](#)
- int [\\_medicineId](#)
- int [\\_medicineQuantity](#)

## 5.1.1 Member Function Documentation

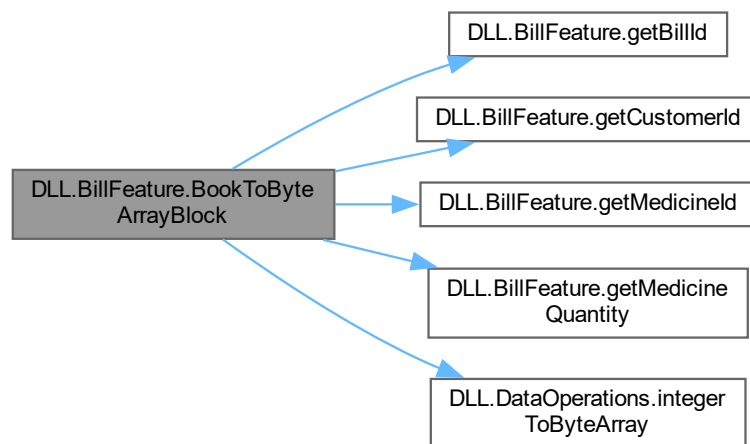
### 5.1.1.1 BookToByteArrayBlock()

```
static byte[] DLL.BillFeature.BookToByteArrayBlock (
    BillFeature bill ) [static]
```

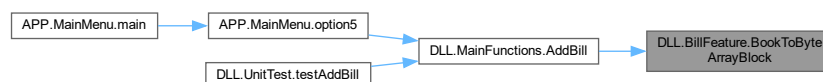
References [DLL.BillFeature.BILL\\_DATA\\_BLOCK\\_SIZE](#), [DLL.BillFeature.BILL\\_ID\\_LENGTH](#), [DLL.BillFeature.CUSTOMER\\_ID\\_MAX\\_LENGTH](#), [DLL.BillFeature.getBillId\(\)](#), [DLL.BillFeature.getCustomerId\(\)](#), [DLL.BillFeature.getMedicineId\(\)](#), [DLL.BillFeature.getMedicineQuantity\(\)](#), [DLL.DataOperations.integerToByteArray\(\)](#), [DLL.BillFeature.MEDICINE\\_ID\\_LENGTH](#), and [DLL.BillFeature.MEDICINE\\_QUANTITY\\_LENGTH](#).

Referenced by [DLL.MainFunctions.AddBill\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:

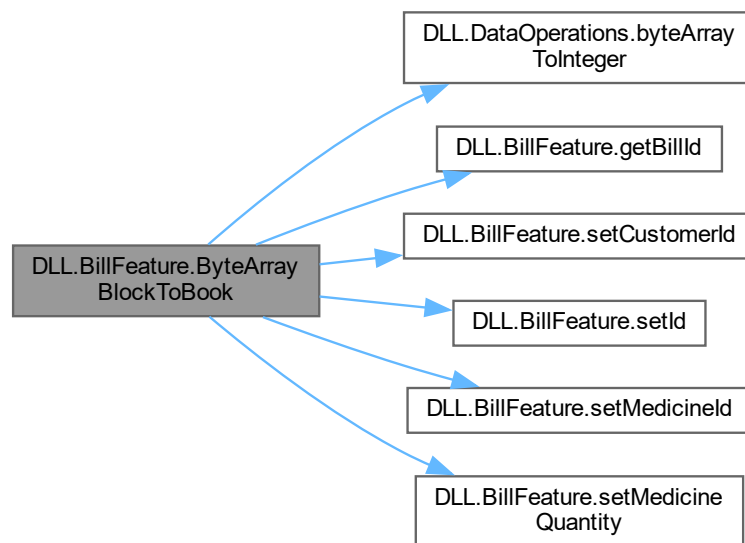


### 5.1.1.2 ByteArrayBlockToBook()

```
static BillFeature DLL.BillFeature.ByteArrayBlockToBook (
    byte[] byteArray) [static]
```

References [DLL.BillFeature.BILL\\_DATA\\_BLOCK\\_SIZE](#), [DLL.BillFeature.BILL\\_ID\\_LENGTH](#), [DLL.DataOperations.byteArrayToInteger\(\)](#), [DLL.BillFeature.CUSTOMER\\_ID\\_MAX\\_LENGTH](#), [DLL.BillFeature.getBillId\(\)](#), [DLL.BillFeature.MEDICINE\\_ID\\_LENGTH](#), [DLL.BillFeature.MEDICINE\\_QUANTITY\\_LENGTH](#), [DLL.BillFeature.setCustomerId\(\)](#), [DLL.BillFeature.setId\(\)](#), [DLL.BillFeature.setMedicineId\(\)](#), and [DLL.BillFeature.setMedicineQuantity\(\)](#).

Here is the call graph for this function:



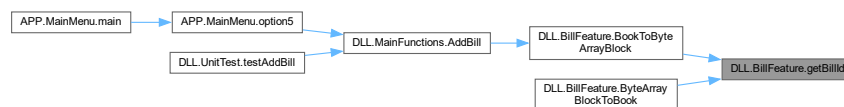
### 5.1.1.3 getBillId()

```
final int DLL.BillFeature.getBillId ( )
```

References [DLL.BillFeature.\\_billId](#).

Referenced by [DLL.BillFeature.BookToByteArrayBlock\(\)](#), and [DLL.BillFeature.ByteArrayBlockToBook\(\)](#).

Here is the caller graph for this function:



#### 5.1.1.4 `getCustomerId()`

```
final int DLL.BillFeature.getCustomerId ( )
```

References [DLL.BillFeature.\\_customerId](#).

Referenced by [DLL.BillFeature.BookToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



#### 5.1.1.5 `getMedicineId()`

```
final int DLL.BillFeature.getMedicineId ( )
```

References [DLL.BillFeature.\\_medicineId](#).

Referenced by [DLL.BillFeature.BookToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



#### 5.1.1.6 `getMedicineQuantity()`

```
final int DLL.BillFeature.getMedicineQuantity ( )
```

References [DLL.BillFeature.\\_medicineQuantity](#).

Referenced by [DLL.BillFeature.BookToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



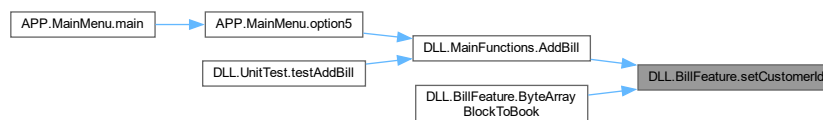
### 5.1.1.7 setCustomerId()

```
final void DLL.BillFeature.setCustomerId (  
    int value )
```

References [DLL.BillFeature.\\_customerId](#).

Referenced by [DLL.MainFunctions.AddBill\(\)](#), and [DLL.BillFeature.ByteArrayBlockToBook\(\)](#).

Here is the caller graph for this function:



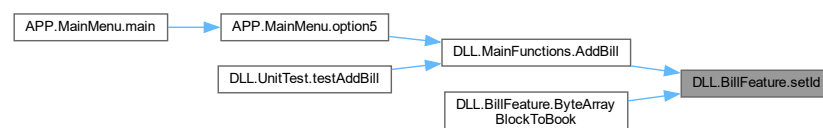
### 5.1.1.8 setId()

```
final void DLL.BillFeature.setId (  
    int value )
```

References [DLL.BillFeature.\\_billId](#).

Referenced by [DLL.MainFunctions.AddBill\(\)](#), and [DLL.BillFeature.ByteArrayBlockToBook\(\)](#).

Here is the caller graph for this function:



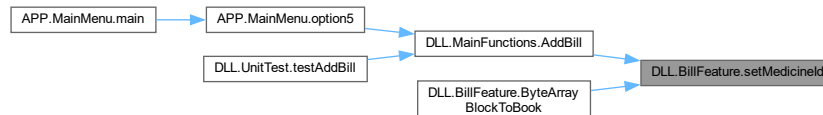
### 5.1.1.9 setMedicineId()

```
final void DLL.BillFeature.setMedicineId (
    int value )
```

References [DLL.BillFeature.\\_medicineId](#).

Referenced by [DLL.MainFunctions.AddBill\(\)](#), and [DLL.BillFeature.ByteArrayBlockToBook\(\)](#).

Here is the caller graph for this function:



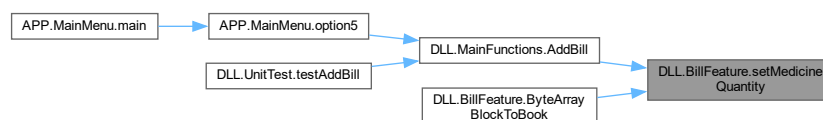
### 5.1.1.10 setMedicineQuantity()

```
final void DLL.BillFeature.setMedicineQuantity (
    int value )
```

References [DLL.BillFeature.\\_medicineQuantity](#).

Referenced by [DLL.MainFunctions.AddBill\(\)](#), and [DLL.BillFeature.ByteArrayBlockToBook\(\)](#).

Here is the caller graph for this function:



## 5.1.2 Member Data Documentation

### 5.1.2.1 \_billId

```
int DLL.BillFeature._billId [private]
```

Referenced by [DLL.BillFeature.getBillId\(\)](#), and [DLL.BillFeature.setId\(\)](#).

### 5.1.2.2 `_customerId`

```
int DLL.BillFeature._customerId [private]
```

Referenced by [DLL.BillFeature.getCustomerId\(\)](#), and [DLL.BillFeature.setCustomerId\(\)](#).

### 5.1.2.3 `_medicineId`

```
int DLL.BillFeature._medicineId [private]
```

Referenced by [DLL.BillFeature.getMedicineId\(\)](#), and [DLL.BillFeature.setMedicineId\(\)](#).

### 5.1.2.4 `_medicineQuantity`

```
int DLL.BillFeature._medicineQuantity [private]
```

Referenced by [DLL.BillFeature.getMedicineQuantity\(\)](#), and [DLL.BillFeature.setMedicineQuantity\(\)](#).

### 5.1.2.5 `BILL_DATA_BLOCK_SIZE`

```
final int DLL.BillFeature.BILL_DATA_BLOCK_SIZE = BILL_ID_LENGTH + CUSTOMER_ID_MAX_LENGTH +  
MEDICINE_ID_LENGTH + MEDICINE_QUANTITY_LENGTH [static]
```

Referenced by [DLL.BillFeature.BookToByteArrayBlock\(\)](#), and [DLL.BillFeature.ByteArrayBlockToBook\(\)](#).

### 5.1.2.6 `BILL_ID_LENGTH`

```
final int DLL.BillFeature.BILL_ID_LENGTH = 4 [static]
```

Referenced by [DLL.BillFeature.BookToByteArrayBlock\(\)](#), and [DLL.BillFeature.ByteArrayBlockToBook\(\)](#).

### 5.1.2.7 `CUSTOMER_ID_MAX_LENGTH`

```
final int DLL.BillFeature.CUSTOMER_ID_MAX_LENGTH = 4 [static]
```

Referenced by [DLL.BillFeature.BookToByteArrayBlock\(\)](#), and [DLL.BillFeature.ByteArrayBlockToBook\(\)](#).

### 5.1.2.8 MEDICINE\_ID\_LENGTH

```
final int DLL.BillFeature.MEDICINE_ID_LENGTH = 4 [static]
```

Referenced by [DLL.BillFeature.BookToByteArrayBlock\(\)](#), and [DLL.BillFeature.ByteArrayBlockToBook\(\)](#).

### 5.1.2.9 MEDICINE\_QUANTITY\_LENGTH

```
final int DLL.BillFeature.MEDICINE_QUANTITY_LENGTH = 4 [static]
```

Referenced by [DLL.BillFeature.BookToByteArrayBlock\(\)](#), and [DLL.BillFeature.ByteArrayBlockToBook\(\)](#).

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

- C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/[BillFeature.java](#)

## 5.2 DLL.CustomerFeature Class Reference

### Public Member Functions

- final int [getId](#) ()
- final void [setId](#) (int value)
- final long [getContactNum](#) ()
- final void [setContactNum](#) (long value)
- final String [getCustomerName](#) ()
- final void [setCustomerName](#) (String value)
- final String [getCityName](#) ()
- final void [setCityName](#) (String value)
- final String [getEmail](#) ()
- final void [setEmail](#) (String value)

### Static Public Member Functions

- static byte[] [BookToByteArrayBlock](#) ([CustomerFeature](#) customer)
- static [CustomerFeature](#) [ByteArrayBlockToBook](#) (byte[] byteArray)

### Static Public Attributes

- static final int [ID\\_LENGTH](#) = 4
- static final int [CUSTOMER\\_NAME\\_MAX\\_LENGTH](#) = 50
- static final int [CITY\\_NAME\\_MAX\\_LENGTH](#) = 50
- static final int [CONTACT\\_NUMBER\\_MAX\\_LENGTH](#) = 15
- static final int [EMAIL\\_MAX\\_LENGTH](#) = 51
- static final int [CUSTOMER\\_DATA\\_BLOCK\\_SIZE](#) = [ID\\_LENGTH](#) + [CUSTOMER\\_NAME\\_MAX\\_LENGTH](#) + [CITY\\_NAME\\_MAX\\_LENGTH](#) + [CONTACT\\_NUMBER\\_MAX\\_LENGTH](#) + [EMAIL\\_MAX\\_LENGTH](#)



## Private Attributes

- int [\\_id](#)
- long [\\_contactNum](#)
- String [\\_customerName](#)
- String [\\_cityName](#)
- String [\\_email](#)

## 5.2.1 Member Function Documentation

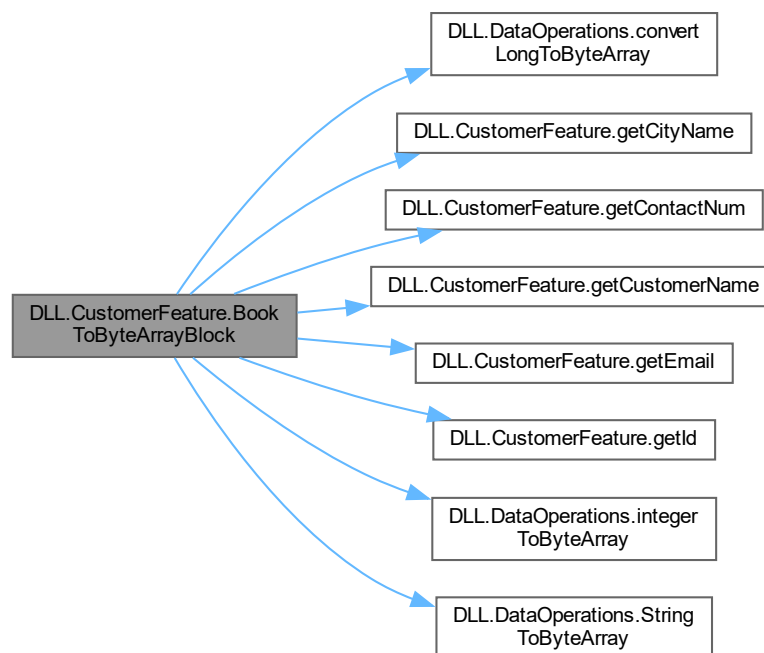
### 5.2.1.1 BookToByteArrayBlock()

```
static byte[] DLL.CustomerFeature.BookToByteArrayBlock (
    CustomerFeature customer ) [static]
```

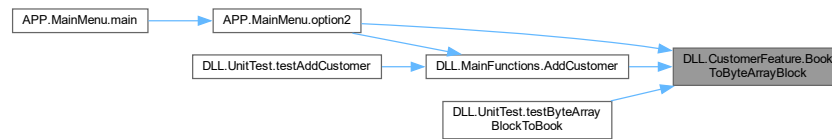
References [DLL.CustomerFeature.CITY\\_NAME\\_MAX\\_LENGTH](#), [DLL.CustomerFeature.CONTACT\\_NUMBER\\_MAX\\_LENGTH](#), [DLL.DataOperations.convertLongToByteArray\(\)](#), [DLL.CustomerFeature.CUSTOMER\\_DATA\\_BLOCK\\_SIZE](#), [DLL.CustomerFeature.CUSTOMER\\_NAME\\_MAX\\_LENGTH](#), [DLL.CustomerFeature.EMAIL\\_MAX\\_LENGTH](#), [DLL.CustomerFeature.getCityName\(\)](#), [DLL.CustomerFeature.getContactNum\(\)](#), [DLL.CustomerFeature.getCustomerName\(\)](#), [DLL.CustomerFeature.getEmail\(\)](#), [DLL.CustomerFeature.getId\(\)](#), [DLL.CustomerFeature.ID\\_LENGTH](#), [DLL.DataOperations.integerToByteArray](#) and [DLL.DataOperations.StringToByteArray\(\)](#).

Referenced by [DLL.MainFunctions.AddCustomer\(\)](#), [APP.MainMenu.option2\(\)](#), and [DLL.UnitTest.testByteArrayBlockToBook\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



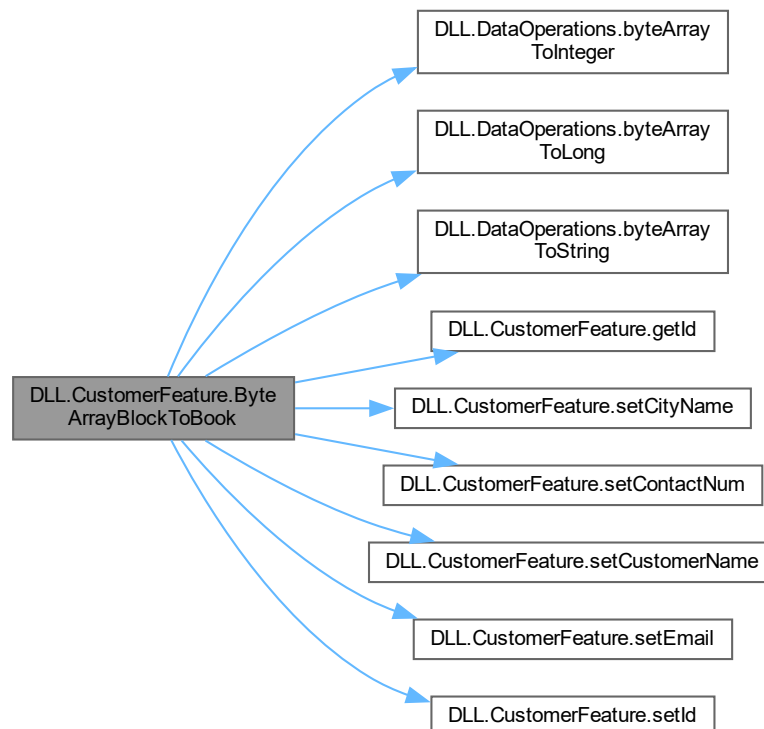
### 5.2.1.2 ByteArrayBlockToBook()

```
static CustomerFeature DLL.CustomerFeature.ByteArrayBlockToBook (
    byte[] byteArray) [static]
```

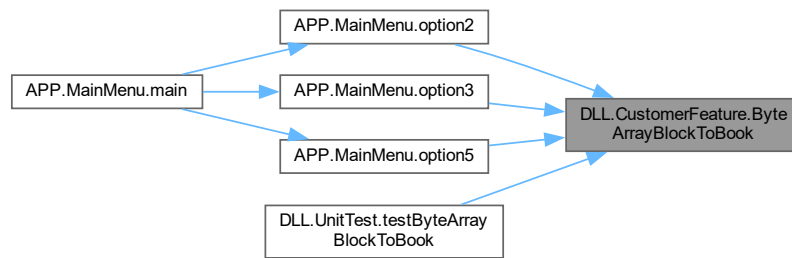
References [DLL.DataOperations.byteArrayToInteger\(\)](#), [DLL.DataOperations.byteArrayToLong\(\)](#), [DLL.DataOperations.byteArrayToString\(\)](#), [DLL.CustomerFeature.CITY\\_NAME\\_MAX\\_LENGTH](#), [DLL.CustomerFeature.CONTACT\\_NUMBER\\_MAX\\_LENGTH](#), [DLL.CustomerFeature.CUSTOMER\\_DATA\\_BLOCK\\_SIZE](#), [DLL.CustomerFeature.CUSTOMER\\_NAME\\_MAX\\_LENGTH](#), [DLL.CustomerFeature.EMAIL\\_MAX\\_LENGTH](#), [DLL.CustomerFeature.getId\(\)](#), [DLL.CustomerFeature.ID\\_LENGTH](#), [DLL.SupplierFeature.ID\\_LENGTH](#), [DLL.CustomerFeature.setCityName\(\)](#), [DLL.CustomerFeature.setContactNum\(\)](#), [DLL.CustomerFeature.setCustomerName\(\)](#), [DLL.CustomerFeature.setEmail\(\)](#), and [DLL.CustomerFeature.setId\(\)](#).

Referenced by [APP.MainMenu.option2\(\)](#), [APP.MainMenu.option3\(\)](#), [APP.MainMenu.option5\(\)](#), and [DLL.UnitTest.testByteArrayBlockToBook\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



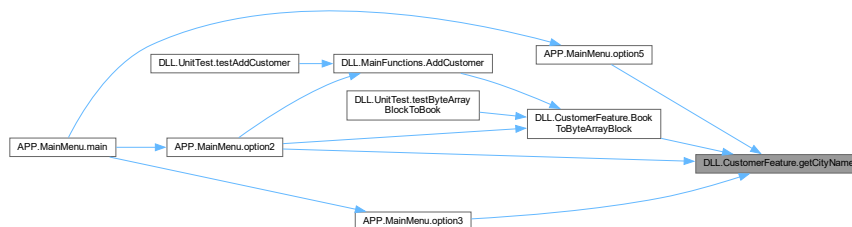
### 5.2.1.3 `getCityName()`

```
final String DLL.CustomerFeature.getCityName ( )
```

References [DLL.CustomerFeature.\\_cityName](#).

Referenced by [DLL.CustomerFeature.BookToByteArrayBlock\(\)](#), [APP.MainMenu.option2\(\)](#), [APP.MainMenu.option3\(\)](#), and [APP.MainMenu.option5\(\)](#).

Here is the caller graph for this function:



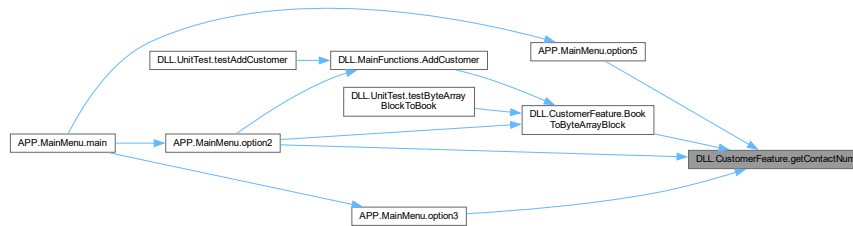
### 5.2.1.4 `getContactNum()`

```
final long DLL.CustomerFeature.getContactNum ( )
```

References [DLL.CustomerFeature.\\_contactNum](#).

Referenced by [DLL.CustomerFeature.BookToByteArrayBlock\(\)](#), [APP.MainMenu.option2\(\)](#), [APP.MainMenu.option3\(\)](#), and [APP.MainMenu.option5\(\)](#).

Here is the caller graph for this function:



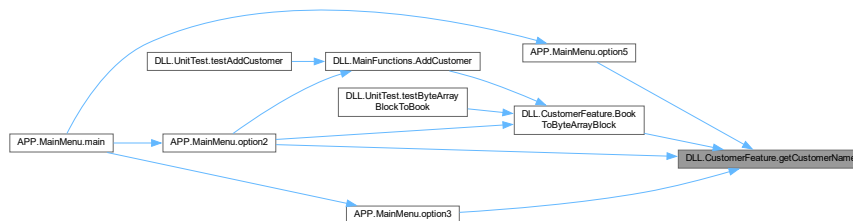
### 5.2.1.5 getCustomerName()

```
final String DLL.CustomerFeature.getCustomerName ( )
```

References [DLL.CustomerFeature.\\_customerName](#).

Referenced by [DLL.CustomerFeature.BookToByteArrayBlock\(\)](#), [APP.MainMenu.option2\(\)](#), [APP.MainMenu.option3\(\)](#), and [APP.MainMenu.option5\(\)](#).

Here is the caller graph for this function:



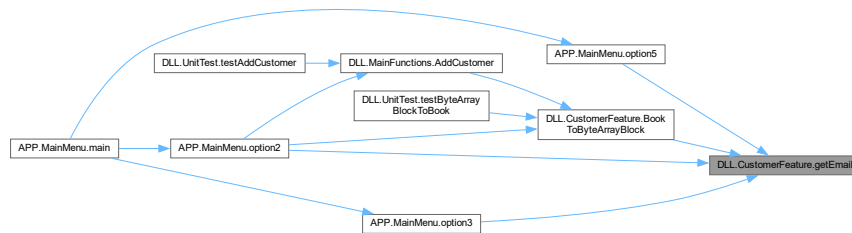
### 5.2.1.6 getEmail()

```
final String DLL.CustomerFeature.getEmail ( )
```

References [DLL.CustomerFeature.\\_email](#).

Referenced by [DLL.CustomerFeature.BookToByteArrayBlock\(\)](#), [APP.MainMenu.option2\(\)](#), [APP.MainMenu.option3\(\)](#), and [APP.MainMenu.option5\(\)](#).

Here is the caller graph for this function:



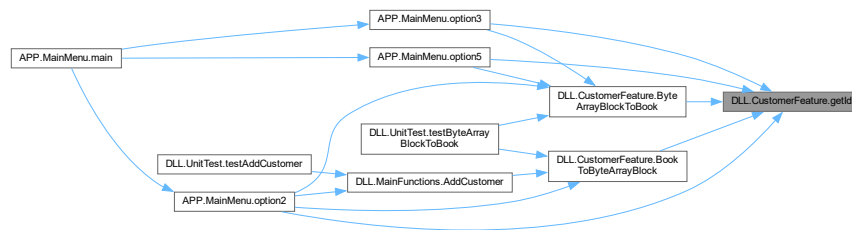
### 5.2.1.7 getId()

```
final int DLL.CustomerFeature.getId ( )
```

References [DLL.CustomerFeature.\\_id](#).

Referenced by [DLL.CustomerFeature.BookToByteArrayBlock\(\)](#), [DLL.CustomerFeature.ByteArrayBlockToBook\(\)](#), [APP.MainMenu.option2\(\)](#), [APP.MainMenu.option3\(\)](#), and [APP.MainMenu.option5\(\)](#).

Here is the caller graph for this function:



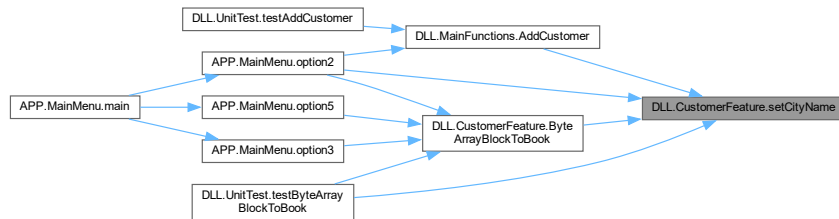
### 5.2.1.8 setCityName()

```
final void DLL.CustomerFeature.setCityName (
    String value )
```

References [DLL.CustomerFeature.\\_cityName](#).

Referenced by [DLL.MainFunctions.AddCustomer\(\)](#), [DLL.CustomerFeature.ByteArrayBlockToBook\(\)](#), [APP.MainMenu.option2\(\)](#), and [DLL.UnitTest.testByteArrayBlockToBook\(\)](#).

Here is the caller graph for this function:



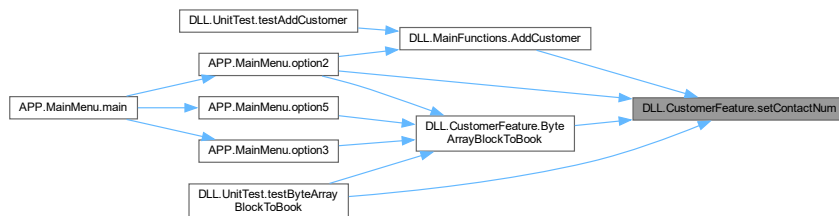
#### 5.2.1.9 setContactNum()

```
final void DLL.CustomerFeature.setContactNum (
    long value )
```

References [DLL.CustomerFeature.\\_contactNum](#).

Referenced by [DLL.MainFunctions.AddCustomer\(\)](#), [DLL.CustomerFeature.ByteArrayBlockToBook\(\)](#), [APP.MainMenu.option2\(\)](#), and [DLL.UnitTest.testByteArrayBlockToBook\(\)](#).

Here is the caller graph for this function:



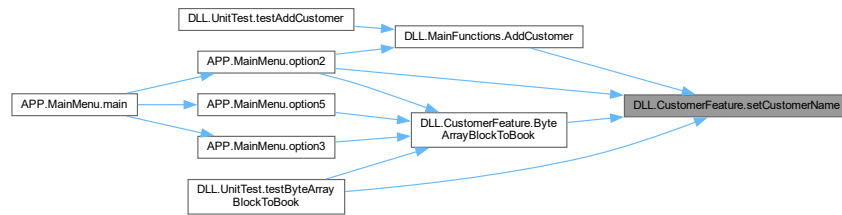
#### 5.2.1.10 setCustomerName()

```
final void DLL.CustomerFeature.setCustomerName (
    String value )
```

References [DLL.CustomerFeature.\\_customerName](#).

Referenced by [DLL.MainFunctions.AddCustomer\(\)](#), [DLL.CustomerFeature.ByteArrayBlockToBook\(\)](#), [APP.MainMenu.option2\(\)](#), and [DLL.UnitTest.testByteArrayBlockToBook\(\)](#).

Here is the caller graph for this function:



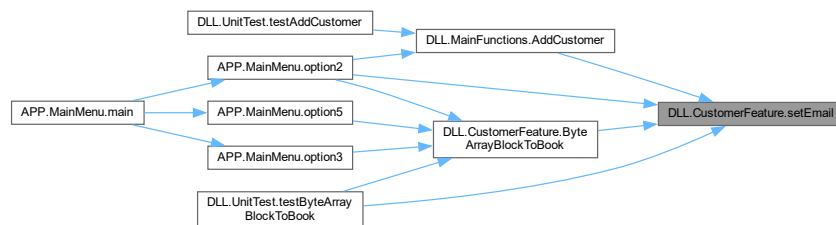
### 5.2.1.11 setEmail()

```
final void DLL.CustomerFeature.setEmail (
    String value )
```

References [DLL.CustomerFeature.\\_email](#).

Referenced by [DLL.MainFunctions.AddCustomer\(\)](#), [DLL.CustomerFeature.ByteArrayBlockToBook\(\)](#), [APP.MainMenu.option2\(\)](#), and [DLL.UnitTest.testByteArrayBlockToBook\(\)](#).

Here is the caller graph for this function:



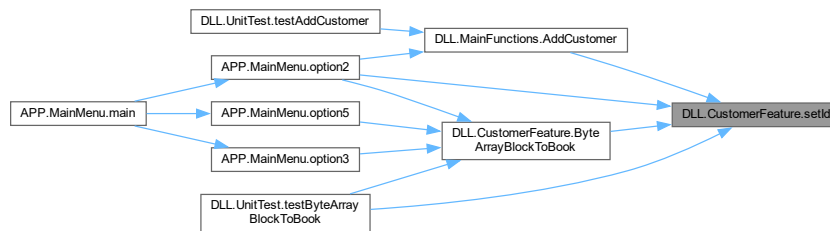
### 5.2.1.12 setId()

```
final void DLL.CustomerFeature.setId (
    int value )
```

References [DLL.CustomerFeature.\\_id](#).

Referenced by [DLL.MainFunctions.AddCustomer\(\)](#), [DLL.CustomerFeature.ByteArrayBlockToBook\(\)](#), [APP.MainMenu.option2\(\)](#), and [DLL.UnitTest.testByteArrayBlockToBook\(\)](#).

Here is the caller graph for this function:



## 5.2.2 Member Data Documentation

### 5.2.2.1 `_cityName`

```
String DLL.CustomerFeature._cityName [private]
```

Referenced by [DLL.CustomerFeature.getCityName\(\)](#), and [DLL.CustomerFeature.setCityName\(\)](#).

### 5.2.2.2 `_contactNum`

```
long DLL.CustomerFeature._contactNum [private]
```

Referenced by [DLL.CustomerFeature.getContactNum\(\)](#), and [DLL.CustomerFeature.setContactNum\(\)](#).

### 5.2.2.3 `_customerName`

```
String DLL.CustomerFeature._customerName [private]
```

Referenced by [DLL.CustomerFeature.getCustomerName\(\)](#), and [DLL.CustomerFeature.setCustomerName\(\)](#).

### 5.2.2.4 `_email`

```
String DLL.CustomerFeature._email [private]
```

Referenced by [DLL.CustomerFeature.getEmail\(\)](#), and [DLL.CustomerFeature.setEmail\(\)](#).



### 5.2.2.5 \_id

```
int DLL.CustomerFeature._id [private]
```

Referenced by [DLL.CustomerFeature.getId\(\)](#), and [DLL.CustomerFeature.setId\(\)](#).

### 5.2.2.6 CITY\_NAME\_MAX\_LENGTH

```
final int DLL.CustomerFeature.CITY_NAME_MAX_LENGTH = 50 [static]
```

Referenced by [DLL.CustomerFeature.BookToByteArrayBlock\(\)](#), and [DLL.CustomerFeature.ByteArrayBlockToBook\(\)](#).

### 5.2.2.7 CONTACT\_NUMBER\_MAX\_LENGTH

```
final int DLL.CustomerFeature.CONTACT_NUMBER_MAX_LENGTH = 15 [static]
```

Referenced by [DLL.CustomerFeature.BookToByteArrayBlock\(\)](#), and [DLL.CustomerFeature.ByteArrayBlockToBook\(\)](#).

### 5.2.2.8 CUSTOMER\_DATA\_BLOCK\_SIZE

```
final int DLL.CustomerFeature.CUSTOMER_DATA_BLOCK_SIZE = ID_LENGTH + CUSTOMER_NAME_MAX_LENGTH  
+ CITY_NAME_MAX_LENGTH + CONTACT_NUMBER_MAX_LENGTH + EMAIL_MAX_LENGTH [static]
```

Referenced by [DLL.CustomerFeature.BookToByteArrayBlock\(\)](#), [DLL.CustomerFeature.ByteArrayBlockToBook\(\)](#), [APP.MainMenu.option2\(\)](#), [APP.MainMenu.option3\(\)](#), and [APP.MainMenu.option5\(\)](#).

### 5.2.2.9 CUSTOMER\_NAME\_MAX\_LENGTH

```
final int DLL.CustomerFeature.CUSTOMER_NAME_MAX_LENGTH = 50 [static]
```

Referenced by [DLL.CustomerFeature.BookToByteArrayBlock\(\)](#), and [DLL.CustomerFeature.ByteArrayBlockToBook\(\)](#).

### 5.2.2.10 EMAIL\_MAX\_LENGTH

```
final int DLL.CustomerFeature.EMAIL_MAX_LENGTH = 51 [static]
```

Referenced by [DLL.CustomerFeature.BookToByteArrayBlock\(\)](#), and [DLL.CustomerFeature.ByteArrayBlockToBook\(\)](#).

### 5.2.2.11 ID\_LENGTH

```
final int DLL.CustomerFeature.ID_LENGTH = 4 [static]
```

Referenced by [DLL.CustomerFeature.BookToByteArrayBlock\(\)](#), and [DLL.CustomerFeature.ByteArrayBlockToBook\(\)](#).

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

- C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/[CustomerFeature.java](#)

## 5.3 DLL.DataOperations Class Reference

### Static Public Member Functions

- static int[] [ToByte](#) (String hexString)
- static String [ToHex](#) (byte[] arr)
- static boolean [IsHex](#) (String str)
- static int [GetInt](#) (byte[] data, int offset, int length)
- static String [ToAscii](#) (String hexString)
- static long [byteArrayToLong](#) (byte[] byteArray)
- static int [byteArrayToInteger](#) (byte[] byteArray)
- static byte[] [integerToByteArray](#) (int value)
- static byte[] [convertLongToByteArray](#) (long value)
- static byte[] [floatToByteArray](#) (float value)
- static float [byteArrayToFloat](#) (byte[] byteArray)
- static byte[] [StringToByteArray](#) (String data)
- static double [byteArrayToDouble](#) (byte[] byteArray)
- static byte[] [doubleToByteArray](#) (double value)
- static String [byteArrayToString](#) (byte[] byteArray)

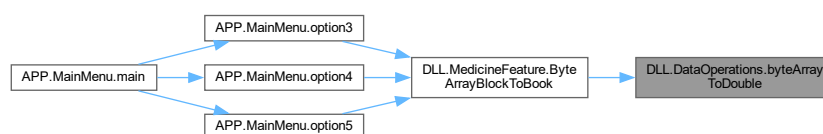
### 5.3.1 Member Function Documentation

#### 5.3.1.1 byteArrayToDouble()

```
static double DLL.DataOperations.byteArrayToDouble (
    byte[] byteArray ) [static]
```

Referenced by [DLL.MedicineFeature.ByteArrayBlockToBook\(\)](#).

Here is the caller graph for this function:



### 5.3.1.2 byteArrayToFloat()

```
static float DLL.DataOperations.byteArrayToFloat (
    byte[] byteArray ) [static]
```

Referenced by [DLL.UnitTest.testByteArrayToFloat\(\)](#).

Here is the caller graph for this function:

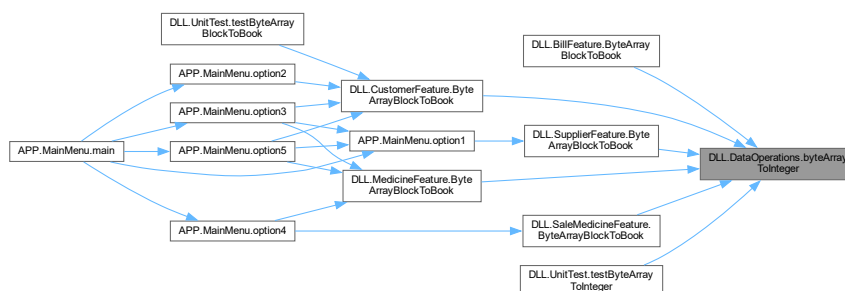


### 5.3.1.3 byteArrayToInteger()

```
static int DLL.DataOperations.byteArrayToInteger (
    byte[] byteArray ) [static]
```

Referenced by [DLL.BillFeature.ByteArrayBlockToBook\(\)](#), [DLL.CustomerFeature.ByteArrayBlockToBook\(\)](#), [DLL.MedicineFeature.ByteArrayBlockToBook\(\)](#), [DLL.SaleMedicineFeature.ByteArrayBlockToBook\(\)](#), [DLL.SupplierFeature.ByteArrayBlockToBook\(\)](#) and [DLL.UnitTest.testByteArrayToInteger\(\)](#).

Here is the caller graph for this function:

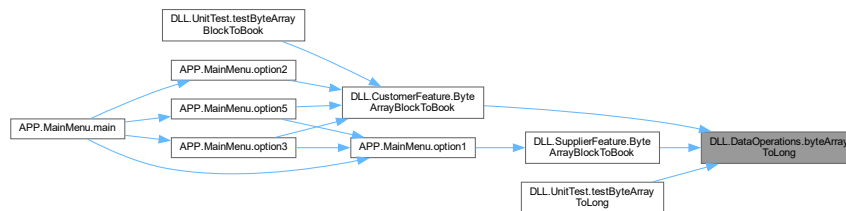


### 5.3.1.4 byteArrayToLong()

```
static long DLL.DataOperations.byteArrayToLong (
    byte[] byteArray ) [static]
```

Referenced by [DLL.CustomerFeature.ByteArrayBlockToBook\(\)](#), [DLL.SupplierFeature.ByteArrayBlockToBook\(\)](#), and [DLL.UnitTest.testByteArrayToLong\(\)](#).

Here is the caller graph for this function:

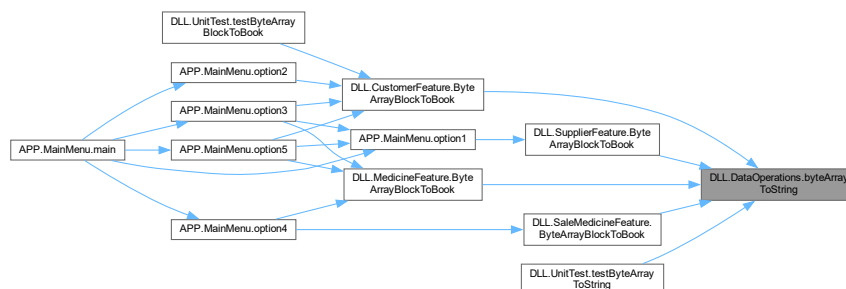


### 5.3.1.5 byteArrayToString()

```
static String DLL.DataOperations.byteArrayToString (
    byte[] byteArray ) [static]
```

Referenced by [DLL.CustomerFeature.ByteArrayBlockToBook\(\)](#), [DLL.MedicineFeature.ByteArrayBlockToBook\(\)](#), [DLL.SaleMedicineFeature.ByteArrayBlockToBook\(\)](#), [DLL.SupplierFeature.ByteArrayBlockToBook\(\)](#), and [DLL.UnitTest.testByteArrayToString\(\)](#).

Here is the caller graph for this function:

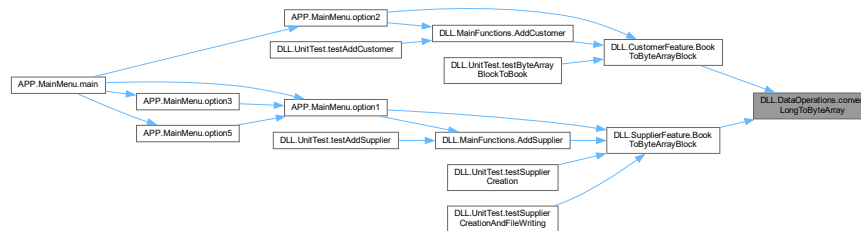


### 5.3.1.6 convertLongToByteArray()

```
static byte[] DLL.DataOperations.convertLongToByteArray (
    long value ) [static]
```

Referenced by [DLL.CustomerFeature.BookToByteArrayBlock\(\)](#), and [DLL.SupplierFeature.BookToByteArrayBlock\(\)](#).

Here is the caller graph for this function:

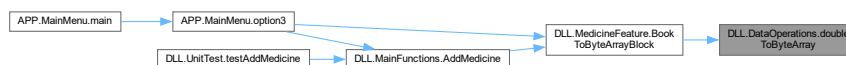


### 5.3.1.7 doubleToByteArray()

```
static byte[] DLL.DataOperations.doubleToByteArray (
    double value ) [static]
```

Referenced by [DLL.MedicineFeature.BookToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



### 5.3.1.8 floatToByteArray()

```
static byte[] DLL.DataOperations.floatToByteArray (
    float value ) [static]
```



### 5.3.1.11 IsHex()

```
static boolean DLL.DataOperations.IsHex (
    String str ) [static]
```

References [DLL.DataOperations.ToByte\(\)](#).

Referenced by [DLL.UnitTest.testIsHex\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:

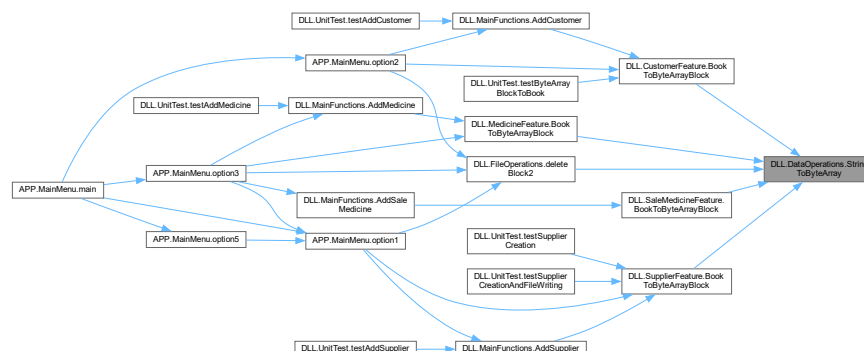


### 5.3.1.12 StringToByteArray()

```
static byte[] DLL.DataOperations.StringToByteArray (
    String data ) [static]
```

Referenced by [DLL.CustomerFeature.BookToByteArrayBlock\(\)](#), [DLL.MedicineFeature.BookToByteArrayBlock\(\)](#), [DLL.SaleMedicineFeature.BookToByteArrayBlock\(\)](#), [DLL.SupplierFeature.BookToByteArrayBlock\(\)](#), and [DLL.FileOperations.deleteBlock2](#).

Here is the caller graph for this function:



### 5.3.1.13 ToAscii()

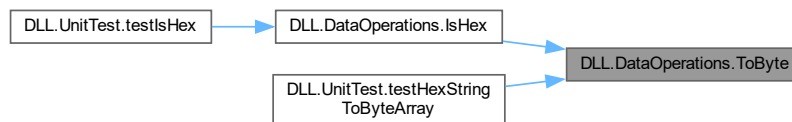
```
static String DLL.DataOperations.ToAscii (
    String hexString ) [static]
```

### 5.3.1.14 ToByte()

```
static int[] DLL.DataOperations.ToByte (
    String hexString ) [static]
```

Referenced by [DLL.DataOperations.IsHex\(\)](#), and [DLL.UnitTest.testHexStringToByteArray\(\)](#).

Here is the caller graph for this function:



### 5.3.1.15 ToHex()

```
static String DLL.DataOperations.ToHex (
    byte[] arr ) [static]
```

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

- [C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/DataOperations.java](#)

## 5.4 DLL.FileOperations Class Reference

### Static Public Member Functions

- static void [writeLine](#) (String line, String path, int lineLength) throws IOException
- static byte[] [readBlock](#) (int count, int blocksize, String path) throws IOException
- static boolean [appendBlock](#) (byte[] data, String path) throws IOException
- static boolean [updateBlock](#) (byte[] data, int offset, int blocksize, String path) throws IOException
- static boolean [deleteBlock2](#) (int blockSize, int offset, String path)
- static boolean [deleteBlock](#) (int count, int blocksize, String path) throws IOException



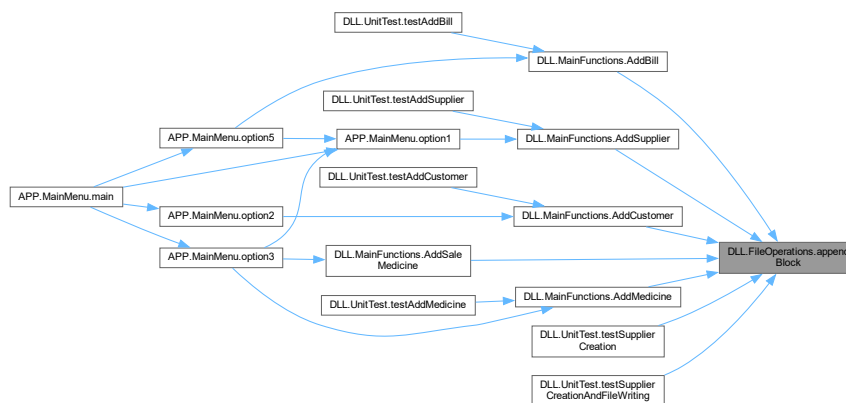
## 5.4.1 Member Function Documentation

### 5.4.1.1 appendBlock()

```
static boolean DLL.FileOperations.appendBlock (
    byte[] data,
    String path ) throws IOException [static]
```

Referenced by [DLL.MainFunctions.AddBill\(\)](#), [DLL.MainFunctions.AddCustomer\(\)](#), [DLL.MainFunctions.AddMedicine\(\)](#), [DLL.MainFunctions.AddSaleMedicine\(\)](#), [DLL.MainFunctions.AddSupplier\(\)](#), [DLL.UnitTest.testSupplierCreation\(\)](#), and [DLL.UnitTest.testSupplierCreationAndFileWriting\(\)](#).

Here is the caller graph for this function:



### 5.4.1.2 deleteBlock()

```
static boolean DLL.FileOperations.deleteBlock (
    int count,
    int blocksize,
    String path ) throws IOException [static]
```

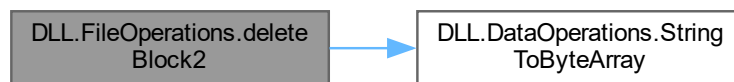
### 5.4.1.3 deleteBlock2()

```
static boolean DLL.FileOperations.deleteBlock2 (
    int blockSize,
    int offset,
    String path ) [static]
```

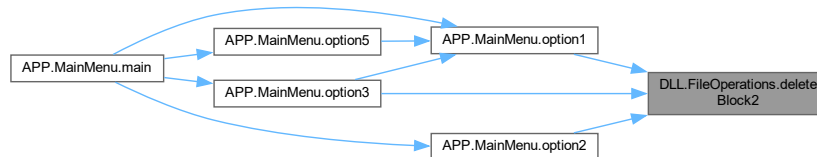
References [DLL.DataOperations.StringToByteArray\(\)](#).

Referenced by [APP.MainMenu.option1\(\)](#), [APP.MainMenu.option2\(\)](#), and [APP.MainMenu.option3\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:

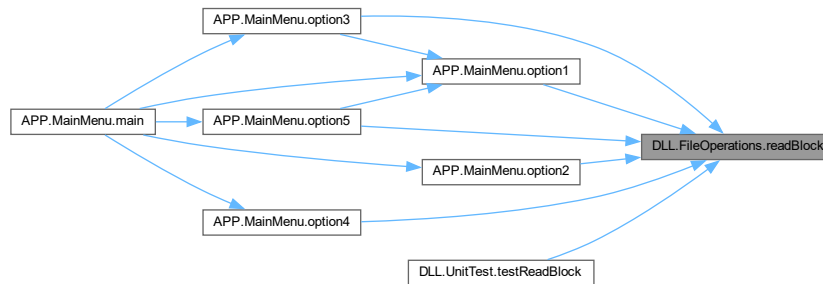


### 5.4.1.4 readBlock()

```
static byte[] DLL.FileOperations.readBlock (
    int count,
    int blocksize,
    String path ) throws IOException [static]
```

Referenced by [APP.MainMenu.option1\(\)](#), [APP.MainMenu.option2\(\)](#), [APP.MainMenu.option3\(\)](#), [APP.MainMenu.option4\(\)](#), [APP.MainMenu.option5\(\)](#), and [DLL.UnitTest.testReadBlock\(\)](#).

Here is the caller graph for this function:



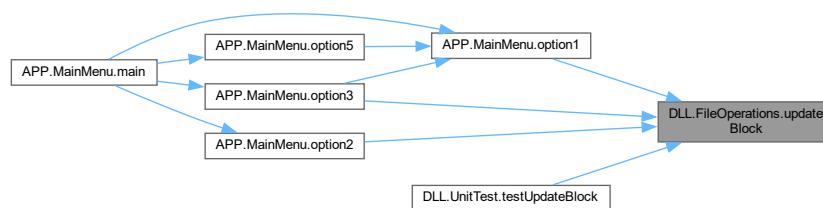
#### 5.4.1.5 updateBlock()

```

static boolean DLL.FileOperations.updateBlock (
    byte[] data,
    int offset,
    int blocksize,
    String path ) throws IOException [static]
  
```

Referenced by [APP.MainMenu.option1\(\)](#), [APP.MainMenu.option2\(\)](#), [APP.MainMenu.option3\(\)](#), and [DLL.UnitTest.testUpdateBlock\(\)](#).

Here is the caller graph for this function:



#### 5.4.1.6 writeLine()

```

static void DLL.FileOperations.writeLine (
    String line,
    String path,
    int lineLength ) throws IOException [static]
  
```

Referenced by [DLL.UnitTest.testWriteLine\(\)](#).

Here is the caller graph for this function:



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

- C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/[FileOperations.java](#)

## 5.5 DLL.MainFunctions Class Reference

### Static Public Member Functions

- static final void [AddSupplier](#) (int Id, long ContactNumber, String SupplierName, String CityName, String Email) throws IOException
- static final void [AddCustomer](#) (int Id, long ContactNumber, String CustomerName, String CityName, String Email) throws IOException
- static final void [AddMedicine](#) (int Id, String MedicineName, String MedicineSupplier, String CompanyName, double Price, int Quantity, int Rack, int Cabnit) throws IOException
- static final void [AddBill](#) (int BillId, int CustomerId, int MedicineId, int MedicineQuantity) throws IOException
- static final void [AddSaleMedicine](#) (int MedicineId, int CustomerId, int MedicineQuantity, String SaleDate) throws IOException
- static final void [ControlFile](#) (String FileName) throws IOException

### 5.5.1 Member Function Documentation

#### 5.5.1.1 AddBill()

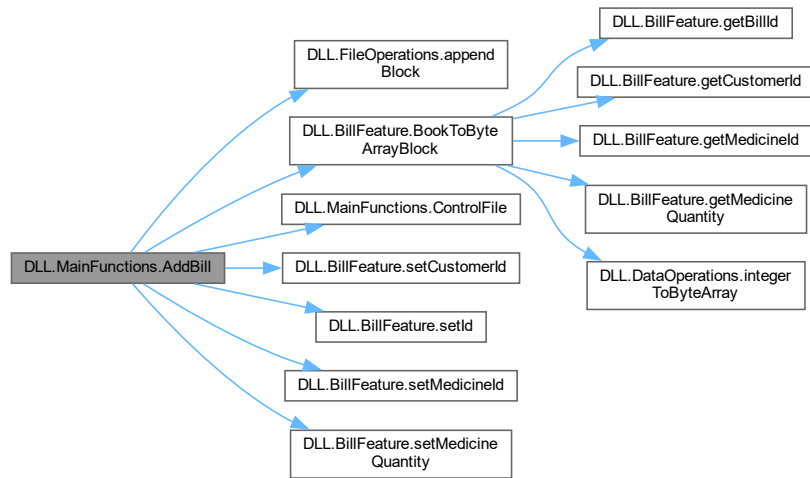
```

static final void DLL.MainFunctions.AddBill (
    int BillId,
    int CustomerId,
    int MedicineId,
    int MedicineQuantity ) throws IOException [static]
  
```

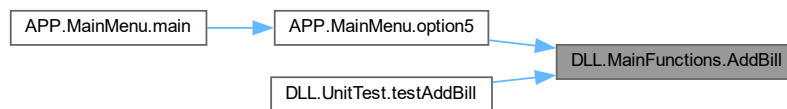
References [DLL.FileOperations.appendBlock\(\)](#), [DLL.BillFeature.BookToByteArrayBlock\(\)](#), [DLL.MainFunctions.ControlFile\(\)](#), [DLL.BillFeature.setCustomerId\(\)](#), [DLL.BillFeature.setId\(\)](#), [DLL.BillFeature.setMedicineId\(\)](#), and [DLL.BillFeature.setMedicineQuantity\(\)](#)

Referenced by [APP.MainMenu.option5\(\)](#), and [DLL.UnitTest.testAddBill\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



### 5.5.1.2 AddCustomer()

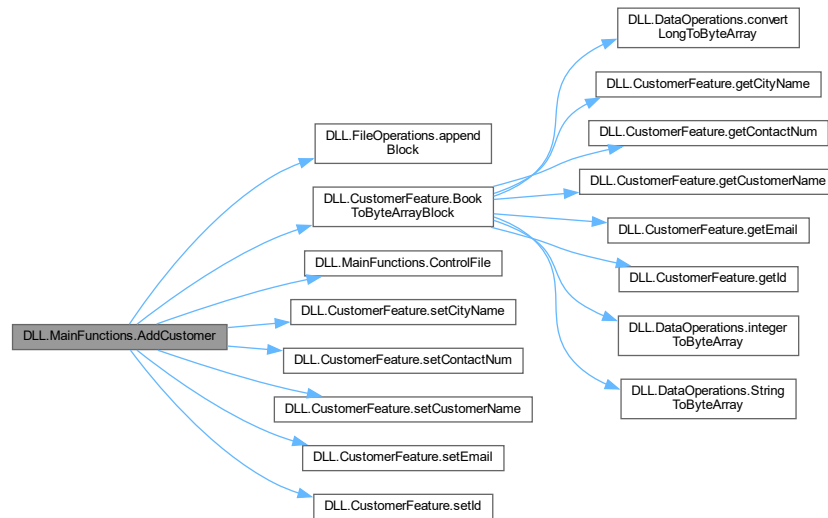
```

static final void DLL.MainFunctions.AddCustomer (
    int Id,
    long ContactNumber,
    String CustomerName,
    String CityName,
    String Email ) throws IOException [static]
  
```

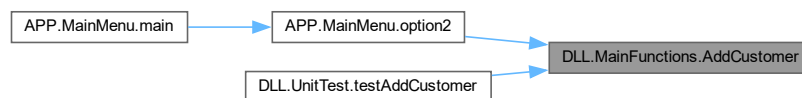
References [DLL.FileOperations.appendBlock\(\)](#), [DLL.CustomerFeature.BookToByteArrayBlock\(\)](#), [DLL.MainFunctions.ControlFile\(\)](#), [DLL.CustomerFeature.setCityName\(\)](#), [DLL.CustomerFeature.setContactNum\(\)](#), [DLL.CustomerFeature.setCustomerName\(\)](#), [DLL.CustomerFeature.setEmail\(\)](#), and [DLL.CustomerFeature.setId\(\)](#).

Referenced by [APP.MainMenu.option2\(\)](#), and [DLL.UnitTest.testAddCustomer\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



### 5.5.1.3 AddMedicine()

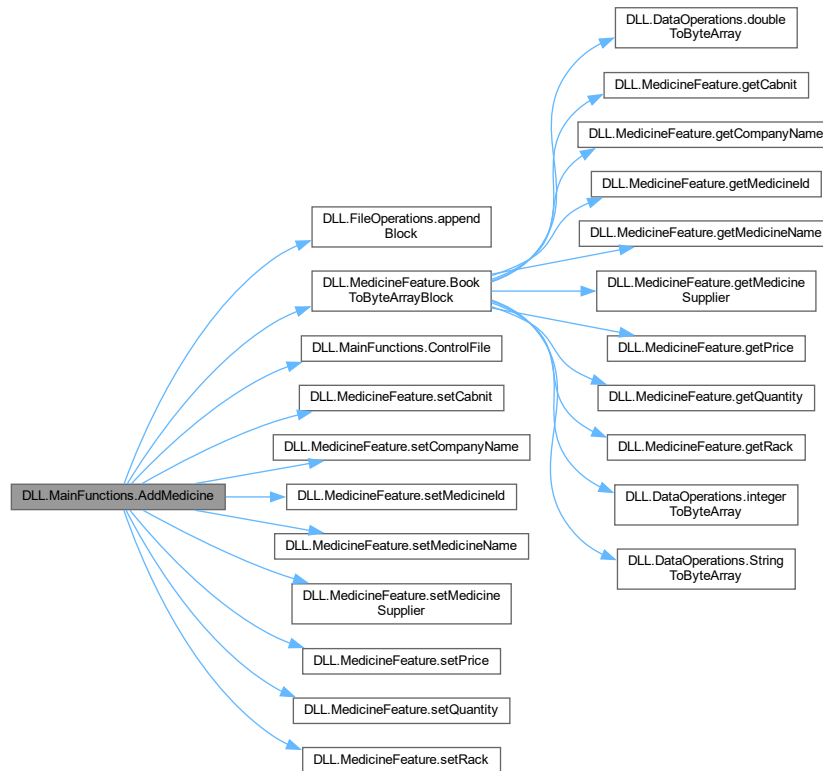
```

static final void DLL.MainFunctions.AddMedicine (
    int Id,
    String MedicineName,
    String MedicineSupplier,
    String CompanyName,
    double Price,
    int Quantity,
    int Rack,
    int Cabnit ) throws IOException [static]
  
```

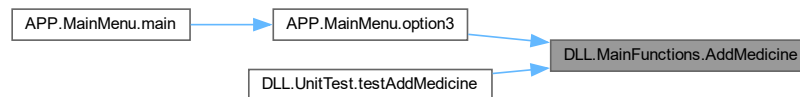
References [DLL.FileOperations.appendBlock\(\)](#), [DLL.MedicineFeature.BookToByteArrayBlock\(\)](#), [DLL.MainFunctions.ControlFile\(\)](#), [DLL.MedicineFeature.setCabnit\(\)](#), [DLL.MedicineFeature.setCompanyName\(\)](#), [DLL.MedicineFeature.setMedicineId\(\)](#), [DLL.MedicineFeature.setMedicineName\(\)](#), [DLL.MedicineFeature.setMedicineSupplier\(\)](#), [DLL.MedicineFeature.setPrice\(\)](#), [DLL.MedicineFeature.setQuantity\(\)](#), and [DLL.MedicineFeature.setRack\(\)](#).

Referenced by [APP.MainMenu.option3\(\)](#), and [DLL.UnitTest.testAddMedicine\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



#### 5.5.1.4 AddSaleMedicine()

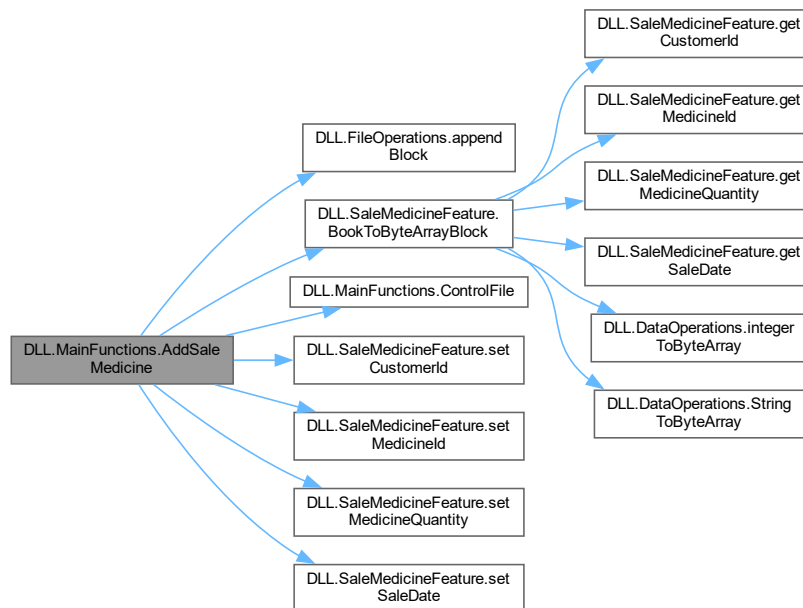
```

static final void DLL.MainFunctions.AddSaleMedicine (
    int MedicineId,
    int CustomerId,
    int MedicineQuantity,
    String SaleDate ) throws IOException [static]
  
```

References [DLL.FileOperations.appendBlock\(\)](#), [DLL.SaleMedicineFeature.BookToByteArrayBlock\(\)](#), [DLL.MainFunctions.ControlFile\(\)](#), [DLL.SaleMedicineFeature.setCustomerId\(\)](#), [DLL.SaleMedicineFeature.setMedicineId\(\)](#), [DLL.SaleMedicineFeature.setMedicineQuantity\(\)](#) and [DLL.SaleMedicineFeature.setSaleDate\(\)](#).

Referenced by [APP.MainMenu.option3\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



### 5.5.1.5 AddSupplier()

```

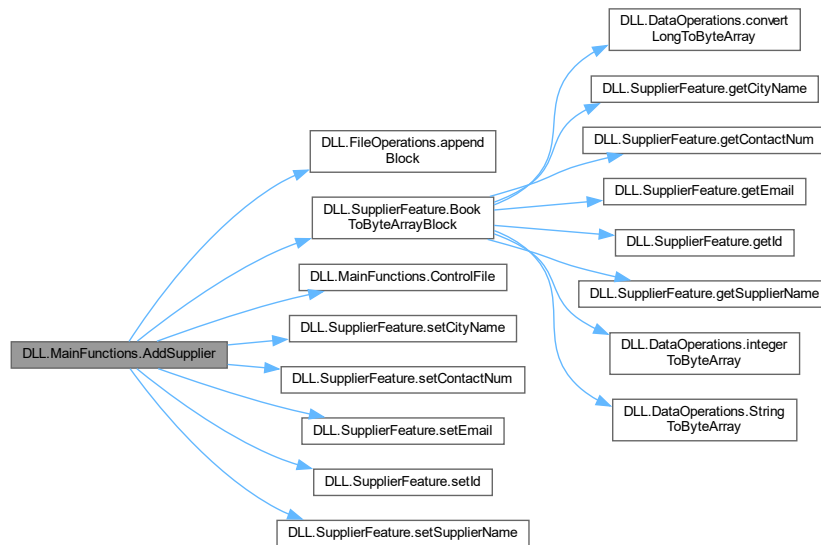
static final void DLL.MainFunctions.AddSupplier (
    int Id,
    long ContactNumber,
    String SupplierName,
    String CityName,
    String Email ) throws IOException [static]
  
```

References `DLL.FileOperations.appendBlock()`, `DLL.SupplierFeature.BookToByteArrayBlock()`, `DLL.MainFunctions.ControlFile()`, `DLL.SupplierFeature.setCityName()`, `DLL.SupplierFeature.setContactNum()`, `DLL.SupplierFeature.setEmail()`, `DLL.SupplierFeature.setId()`, and `DLL.SupplierFeature.setSupplierName()`.

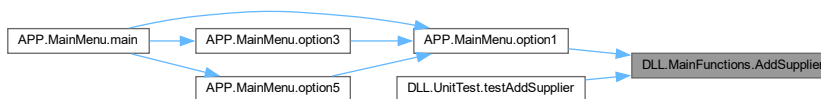
Referenced by [APP.MainMenu.option1\(\)](#), and [DLL.UnitTest.testAddSupplier\(\)](#).



Here is the call graph for this function:



Here is the caller graph for this function:

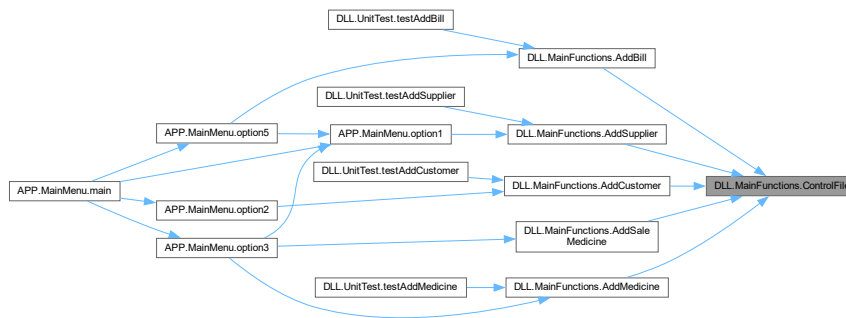


### 5.5.1.6 ControlFile()

```
static final void DLL.MainFunctions.ControlFile (
    String FileName ) throws IOException [static]
```

Referenced by [DLL.MainFunctions.AddBill\(\)](#), [DLL.MainFunctions.AddCustomer\(\)](#), [DLL.MainFunctions.AddMedicine\(\)](#), [DLL.MainFunctions.AddSaleMedicine\(\)](#), and [DLL.MainFunctions.AddSupplier\(\)](#).

Here is the caller graph for this function:



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

- C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/[MainFunctions.java](#)

## 5.6 APP.MainMenu Class Reference

### Static Public Member Functions

- static void [main](#) (String[] args)

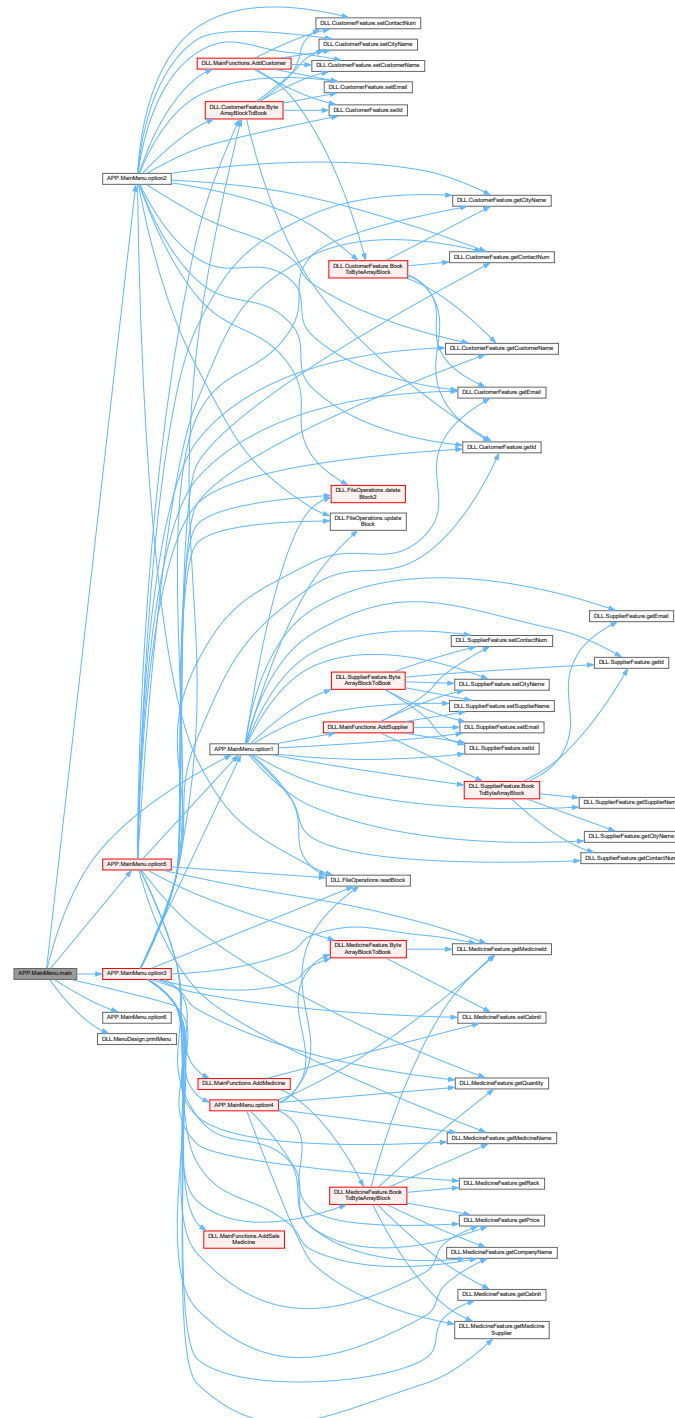
### Static Private Member Functions

- static void [option1](#) ()
- static void [option2](#) ()
- static void [option3](#) ()
- static void [option4](#) ()
- static void [option5](#) () throws IOException, InterruptedException
- static void [option6](#) ()

#### 5.6.1 Member Function Documentation

```
static void APP.MainMenu.main (
    String[] args ) [static]
```

Here is the call graph for this function:



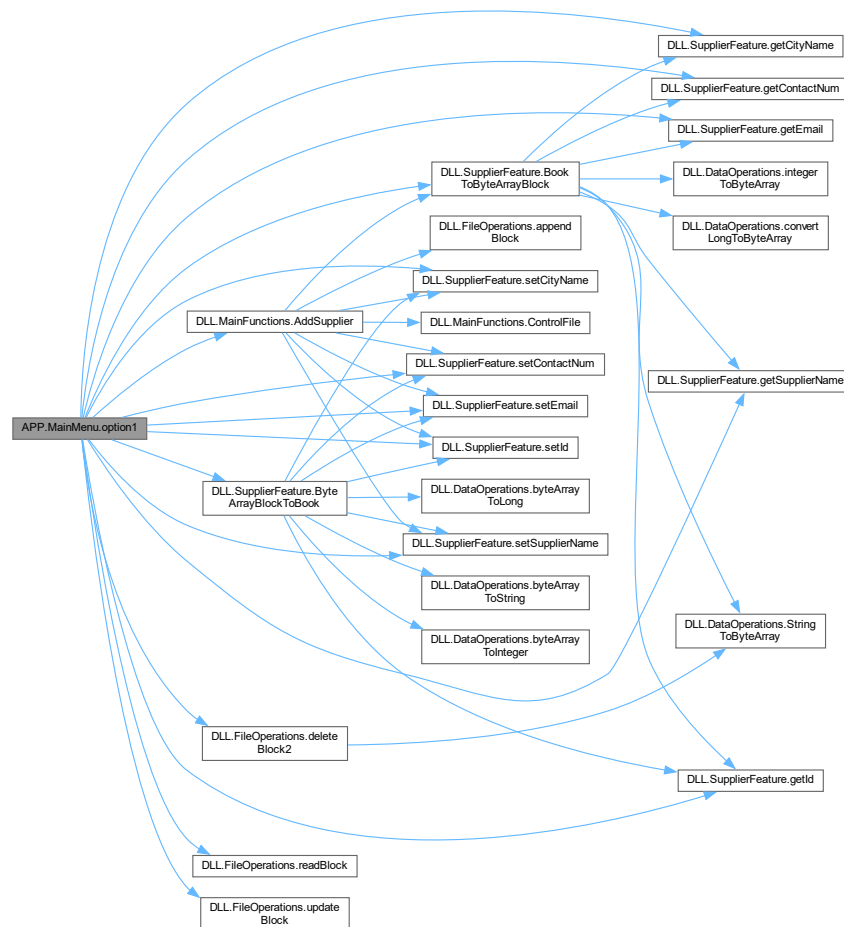
### 5.6.1.2 option1()

```
static void APP.MainMenu.option1 ( ) [static], [private]
```

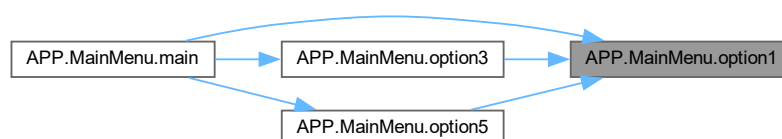
References [DLL.MainFunctions.AddSupplier\(\)](#), [DLL.SupplierFeature.BookToByteArrayBlock\(\)](#), [DLL.SupplierFeature.ByteArrayBlockToBook\(\)](#), [DLL.FileOperations.deleteBlock2\(\)](#), [DLL.SupplierFeature.getCityName\(\)](#), [DLL.SupplierFeature.getContactNum\(\)](#), [DLL.SupplierFeature.getEmail\(\)](#), [DLL.SupplierFeature.getId\(\)](#), [DLL.SupplierFeature.getSupplierName\(\)](#), [DLL.FileOperations.readBlock\(\)](#), [DLL.SupplierFeature.setCityName\(\)](#), [DLL.SupplierFeature.setContactNum\(\)](#), [DLL.SupplierFeature.setEmail\(\)](#), [DLL.SupplierFeature.setId\(\)](#), [DLL.SupplierFeature.setSupplierName\(\)](#), [DLL.SupplierFeature.SUPPLIER\\_DATA\\_BLOCK\\_SIZE](#), and [DLL.FileOperations.updateBlock\(\)](#).

Referenced by [APP.MainMenu.main\(\)](#), [APP.MainMenu.option3\(\)](#), and [APP.MainMenu.option5\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



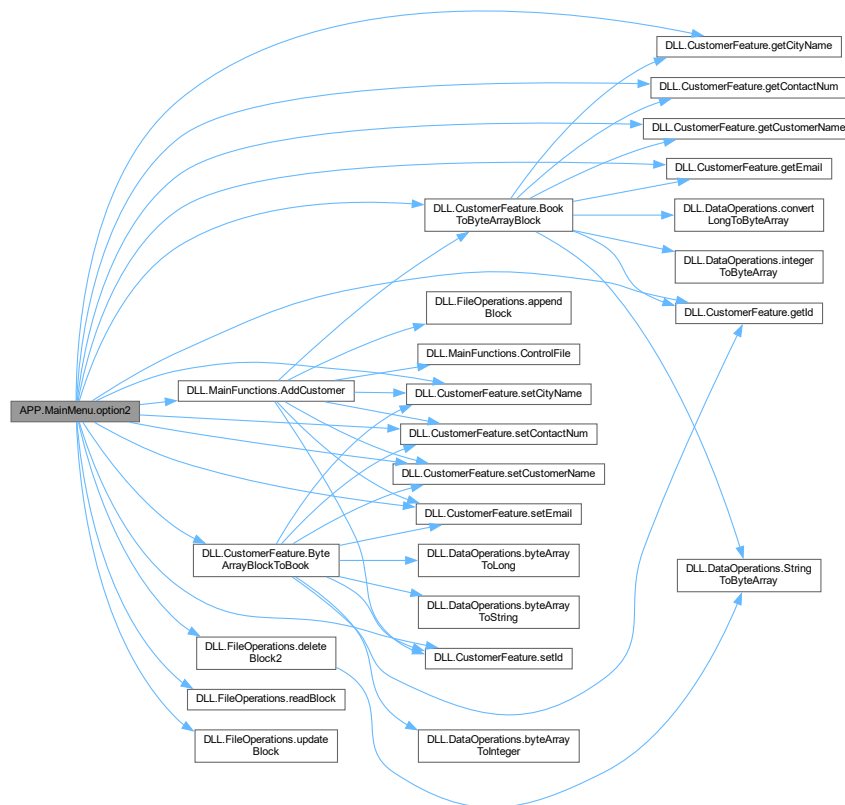
### 5.6.1.3 option2()

```
static void APP.MainMenu.option2 ( ) [static], [private]
```

References [DLL.MainFunctions.AddCustomer\(\)](#), [DLL.CustomerFeature.BookToByteArrayBlock\(\)](#), [DLL.CustomerFeature.ByteArrayBlockToBook\(\)](#), [DLL.CustomerFeature.CUSTOMER\\_DATA\\_BLOCK\\_SIZE](#), [DLL.FileOperations.deleteBlock2\(\)](#), [DLL.CustomerFeature.getCityName\(\)](#), [DLL.CustomerFeature.getContactNum\(\)](#), [DLL.CustomerFeature.getCustomerName\(\)](#), [DLL.CustomerFeature.getEmail\(\)](#), [DLL.CustomerFeature.getId\(\)](#), [DLL.FileOperations.readBlock\(\)](#), [DLL.CustomerFeature.setCityName\(\)](#), [DLL.CustomerFeature.setContactNum\(\)](#), [DLL.CustomerFeature.setCustomerName\(\)](#), [DLL.CustomerFeature.setEmail\(\)](#), [DLL.CustomerFeature.setId\(\)](#), and [DLL.FileOperations.updateBlock\(\)](#).

Referenced by [APP.MainMenu.main\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



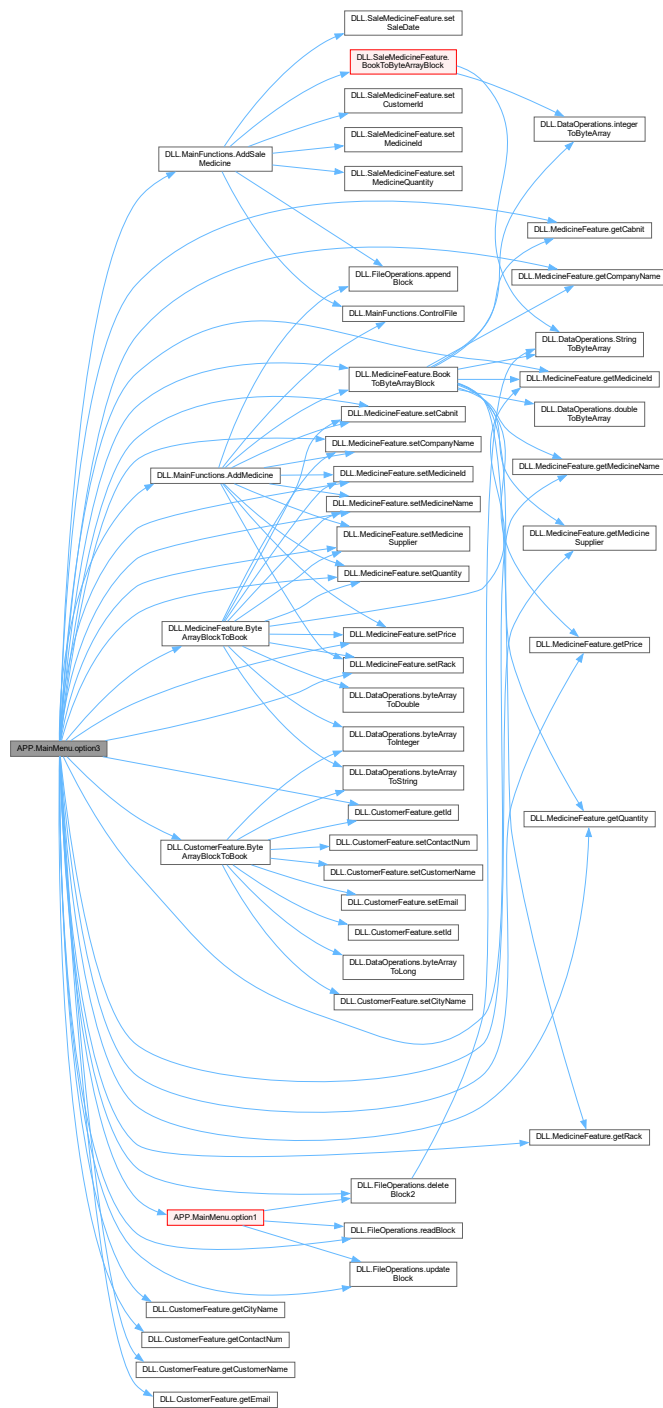
#### 5.6.1.4 option3()

```
static void APP.MainMenu.option3 ( ) [static], [private]
```

References [DLL.MainFunctions.AddMedicine\(\)](#), [DLL.MainFunctions.AddSaleMedicine\(\)](#), [DLL.MedicineFeature.BookToByteArrayBlock\(\)](#), [DLL.CustomerFeature.ByteArrayBlockToBook\(\)](#), [DLL.MedicineFeature.ByteArrayBlockToBook\(\)](#), [DLL.CustomerFeature.CUSTOMER\\_](#), [DLL.FileOperations.deleteBlock2\(\)](#), [DLL.MedicineFeature.getCabnit\(\)](#), [DLL.CustomerFeature.getCityName\(\)](#), [DLL.MedicineFeature.getCompanyName\(\)](#), [DLL.CustomerFeature.getContactNum\(\)](#), [DLL.CustomerFeature.getCustomerName\(\)](#), [DLL.CustomerFeature.getEmail\(\)](#), [DLL.CustomerFeature.getId\(\)](#), [DLL.MedicineFeature.getMedicineId\(\)](#), [DLL.MedicineFeature.getMe](#), [DLL.MedicineFeature.getMedicineSupplier\(\)](#), [DLL.MedicineFeature.getPrice\(\)](#), [DLL.MedicineFeature.getQuantity\(\)](#), [DLL.MedicineFeature.getRack\(\)](#), [DLL.MedicineFeature.MEDICINE\\_DATA\\_BLOCK\\_SIZE](#), [APP.MainMenu.option1\(\)](#), [DLL.FileOperations.readBlock\(\)](#), [DLL.MedicineFeature.setCabnit\(\)](#), [DLL.MedicineFeature.setCompanyName\(\)](#), [DLL.MedicineFeature.setMedicineId\(\)](#), [DLL.MedicineFeature.setMedicineName\(\)](#), [DLL.MedicineFeature.setMedicineSupplier\(\)](#), [DLL.MedicineFeature.setPrice\(\)](#), [DLL.MedicineFeature.setQuantity\(\)](#), [DLL.MedicineFeature.setRack\(\)](#), and [DLL.FileOperations.updateBlock\(\)](#).

Referenced by [APP.MainMenu.main\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



#### 5.6.1.5 option4()

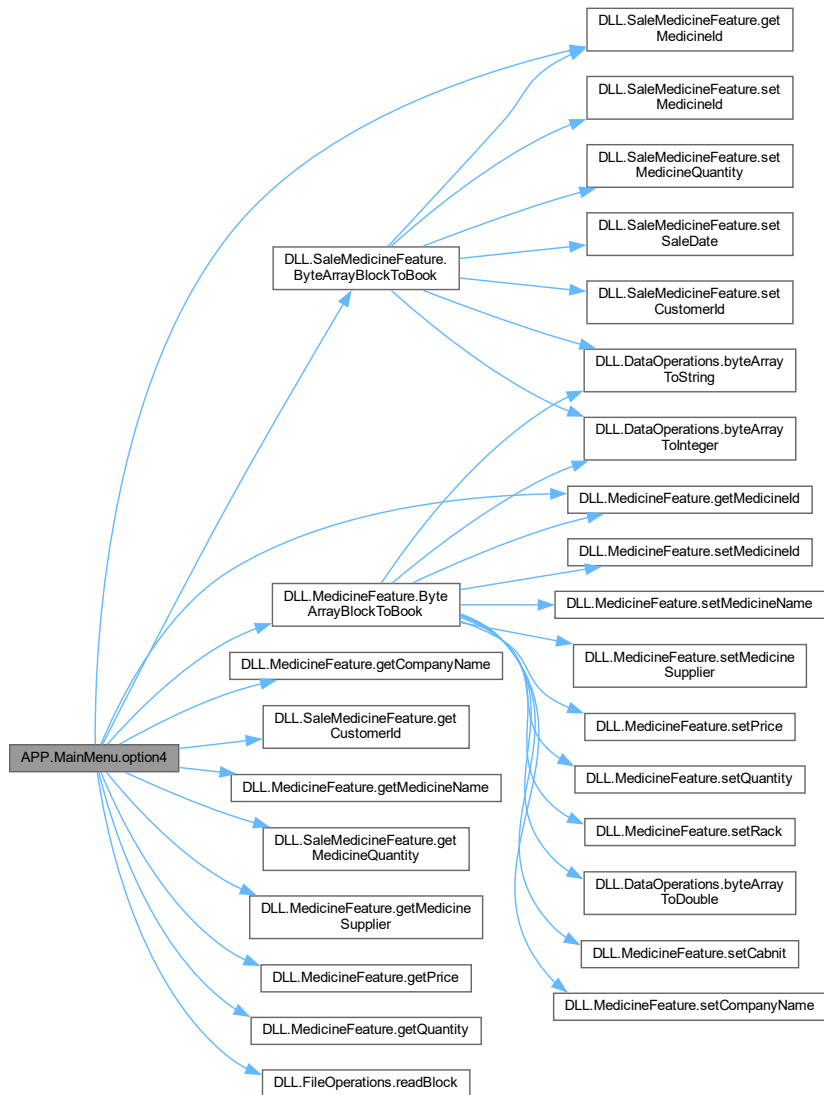
```
static void APP.MainMenu.option4 ( ) [static], [private]
```

References [DLL.MedicineFeature.ByteArrayBlockToBook\(\)](#), [DLL.SaleMedicineFeature.ByteArrayBlockToBook\(\)](#), [DLL.MedicineFeature.getCompanyName\(\)](#), [DLL.SaleMedicineFeature.getCustomerId\(\)](#), [DLL.MedicineFeature.getMedicineId\(\)](#), [DLL.SaleMedicineFeature.getMedicineId\(\)](#), [DLL.MedicineFeature.getMedicineName\(\)](#), [DLL.SaleMedicineFeature.getMedicineQuantity\(\)](#), [DLL.MedicineFeature.getMedicineSupplier\(\)](#), [DLL.MedicineFeature.getPrice\(\)](#), [DLL.MedicineFeature.getQuantity\(\)](#), [DLL.MedicineFeature.MEDICINE\\_DATA\\_BLOCK\\_SIZE](#), [DLL.FileOperations.readBlock\(\)](#), and [DLL.SaleMedicineFeature.SALE\\_DATA](#).

Referenced by [APP.MainMenu.main\(\)](#).



Here is the call graph for this function:



Here is the caller graph for this function:



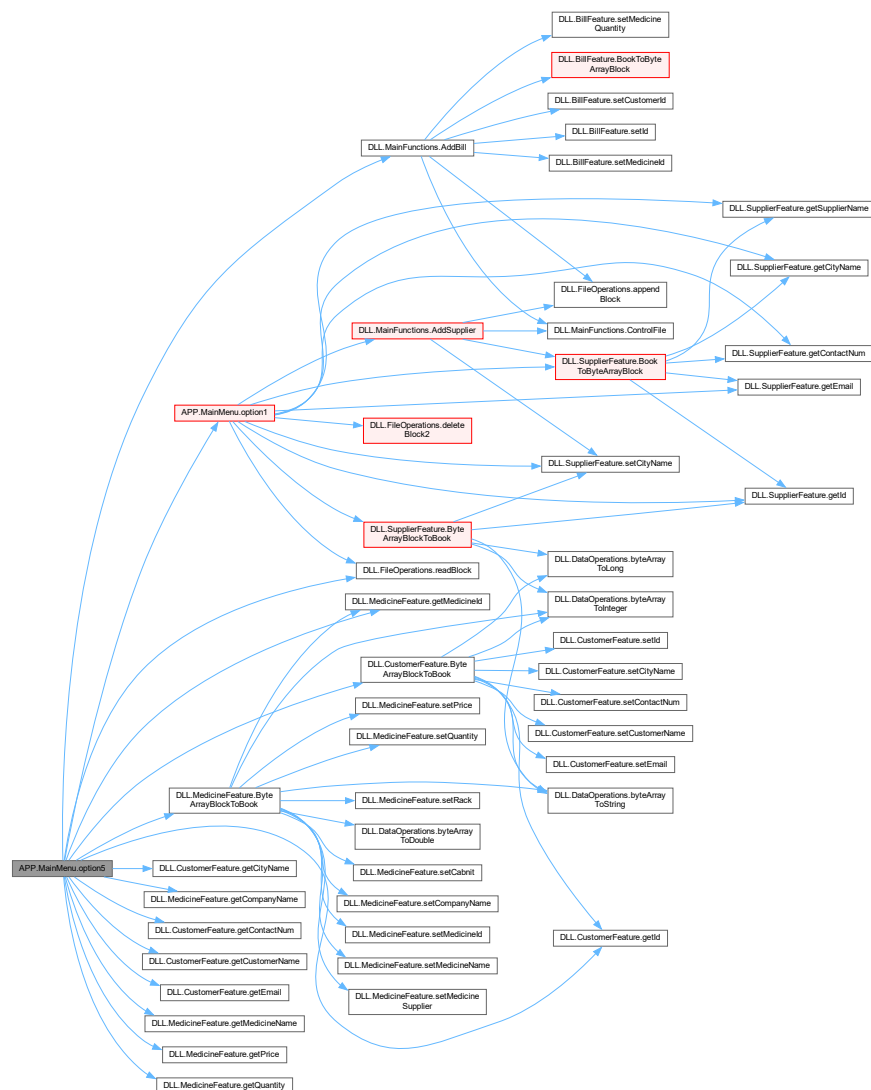
### 5.6.1.6 option5()

```
static void APP.MainMenu.option5 ( ) throws IOException, InterruptedException [static], [private]
```

References [DLL.MainFunctions.AddBill\(\)](#), [DLL.CustomerFeature.ByteArrayBlockToBook\(\)](#), [DLL.MedicineFeature.ByteArrayBlockToBook\(\)](#), [DLL.CustomerFeature.CUSTOMER\\_DATA\\_BLOCK\\_SIZE](#), [DLL.CustomerFeature.getCityName\(\)](#), [DLL.MedicineFeature.getCompanyName\(\)](#), [DLL.CustomerFeature.getContactNum\(\)](#), [DLL.CustomerFeature.getCustomerName\(\)](#), [DLL.CustomerFeature.getEmail\(\)](#), [DLL.CustomerFeature.getId\(\)](#), [DLL.MedicineFeature.getMedicineId\(\)](#), [DLL.MedicineFeature.getMedicineName\(\)](#), [DLL.MedicineFeature.getPrice\(\)](#), [DLL.MedicineFeature.getQuantity\(\)](#), [DLL.MedicineFeature.MEDICINE\\_DATA\\_BLOCK\\_SIZE](#), [APP.MainMenu.option1\(\)](#), and [DLL.FileOperations.readBlock\(\)](#).

Referenced by [APP.MainMenu.main\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



#### 5.6.1.7 option6()

```
static void APP.MainMenu.option6 ( ) [static], [private]
```

Referenced by [APP.MainMenu.main\(\)](#).

Here is the caller graph for this function:



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

- [C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-app/src/APP/MainMenu.java](#)

## 5.7 DLL.MedicineFeature Class Reference

### Public Member Functions

- final int [getMedicineId](#) ()
- final void [setMedicineId](#) (int value)
- final String [getMedicineName](#) ()
- final void [setMedicineName](#) (String value)
- final int [getQuantity](#) ()
- final void [setQuantity](#) (int value)
- final double [getPrice](#) ()
- final void [setPrice](#) (double value)
- final int [getRack](#) ()
- final void [setRack](#) (int value)
- final int [getCabnit](#) ()
- final void [setCabnit](#) (int value)
- final String [getMedicineSupplier](#) ()
- final void [setMedicineSupplier](#) (String value)
- final String [getCompanyName](#) ()
- final void [setCompanyName](#) (String value)

## Static Public Member Functions

- static byte[] [BookToByteArrayBlock](#) ([MedicineFeature](#) medicine)
- static [MedicineFeature](#) [ByteArrayBlockToBook](#) (byte[] byteArray)

## Static Public Attributes

- static final int [MEDICINE\\_ID\\_LENGTH](#) = 4
- static final int [MEDICINE\\_NAME\\_MAX\\_LENGTH](#) =50
- static final int [QUANTITY\\_MAX\\_LENGTH](#) = 4
- static final int [RACK\\_NUMBER\\_MAX\\_LENGTH](#) = 4
- static final int [CABNIT\\_NUMBER\\_MAX\\_LENGTH](#) = 4
- static final int [MEDICINE\\_PRICE\\_LENGTH](#) =8
- static final int [MEDICINE\\_SUPPLIER\\_NAME\\_MAX\\_LENGTH](#) = 50
- static final int [COMPANY\\_NAME\\_MAX\\_LENGTH](#) = 50
- static final int [MEDICINE\\_DATA\\_BLOCK\\_SIZE](#) = [MEDICINE\\_ID\\_LENGTH](#) +[QUANTITY\\_MAX\\_LENGTH](#) +  
[MEDICINE\\_NAME\\_MAX\\_LENGTH](#) + [MEDICINE\\_PRICE\\_LENGTH](#) + [RACK\\_NUMBER\\_MAX\\_LENGTH](#) +  
[CABNIT\\_NUMBER\\_MAX\\_LENGTH](#) + [MEDICINE\\_SUPPLIER\\_NAME\\_MAX\\_LENGTH](#) + [COMPANY\\_NAME\\_MAX\\_LENGTH](#)

## Private Attributes

- int [\\_medicineId](#)
- String [\\_medicineName](#)
- int [\\_quantity](#)
- int [\\_rack](#)
- double [\\_price](#)
- int [\\_cabnit](#)
- String [\\_medicineSupplier](#)
- String [\\_companyName](#)

## 5.7.1 Member Function Documentation

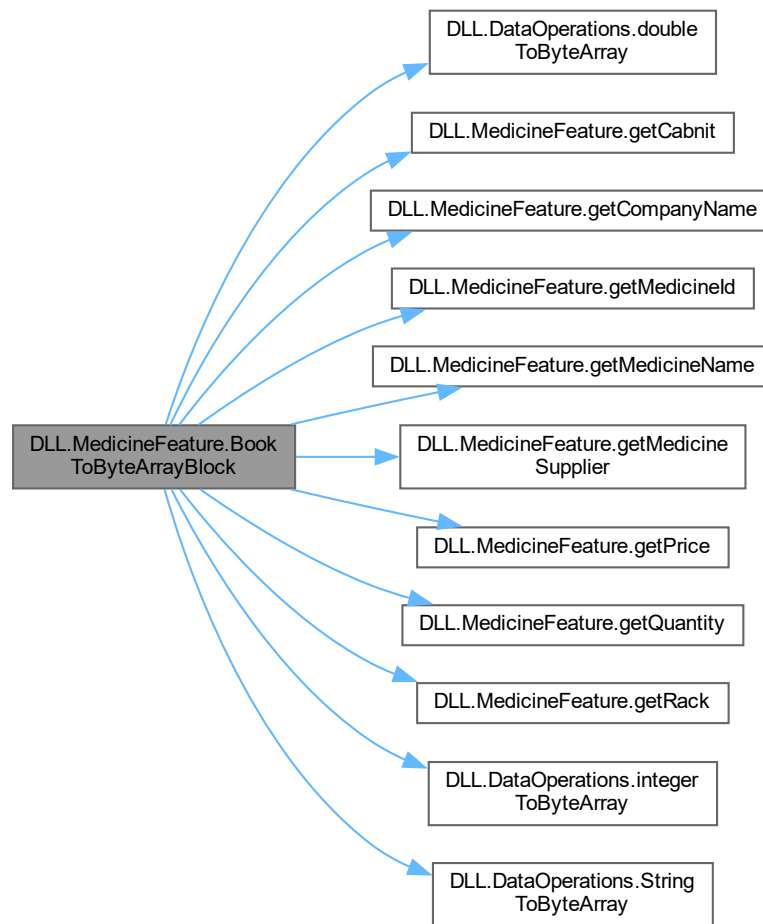
### 5.7.1.1 BookToByteArrayBlock()

```
static byte[] DLL.MedicineFeature.BookToByteArrayBlock (
    MedicineFeature medicine ) [static]
```

References [DLL.MedicineFeature.CABNIT\\_NUMBER\\_MAX\\_LENGTH](#), [DLL.MedicineFeature.COMPANY\\_NAME\\_MAX\\_LENGTH](#), [DLL.DataOperations.doubleToByteArray\(\)](#), [DLL.MedicineFeature.getCabnit\(\)](#), [DLL.MedicineFeature.getCompanyName\(\)](#), [DLL.MedicineFeature.getMedicineId\(\)](#), [DLL.MedicineFeature.getMedicineName\(\)](#), [DLL.MedicineFeature.getMedicineSupplier\(\)](#), [DLL.MedicineFeature.getPrice\(\)](#), [DLL.MedicineFeature.getQuantity\(\)](#), [DLL.MedicineFeature.getRack\(\)](#), [DLL.DataOperations.integerToByteArray\(\)](#), [DLL.MedicineFeature.MEDICINE\\_DATA\\_BLOCK\\_SIZE](#), [DLL.MedicineFeature.MEDICINE\\_ID\\_LENGTH](#), [DLL.MedicineFeature.MEDICINE\\_NAME\\_MAX\\_LENGTH](#), [DLL.MedicineFeature.MEDICINE\\_PRICE\\_LENGTH](#), [DLL.MedicineFeature.MEDICINE\\_SUPPLIER\\_NAME\\_MAX\\_LENGTH](#), [DLL.MedicineFeature.QUANTITY\\_MAX\\_LENGTH](#), [DLL.MedicineFeature.RACK\\_NUMBER\\_MAX\\_LENGTH](#), and [DLL.DataOperations.StringToByteArray\(\)](#).

Referenced by [DLL.MainFunctions.AddMedicine\(\)](#), and [APP.MainMenu.option3\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



### 5.7.1.2 ByteArrayBlockToBook()

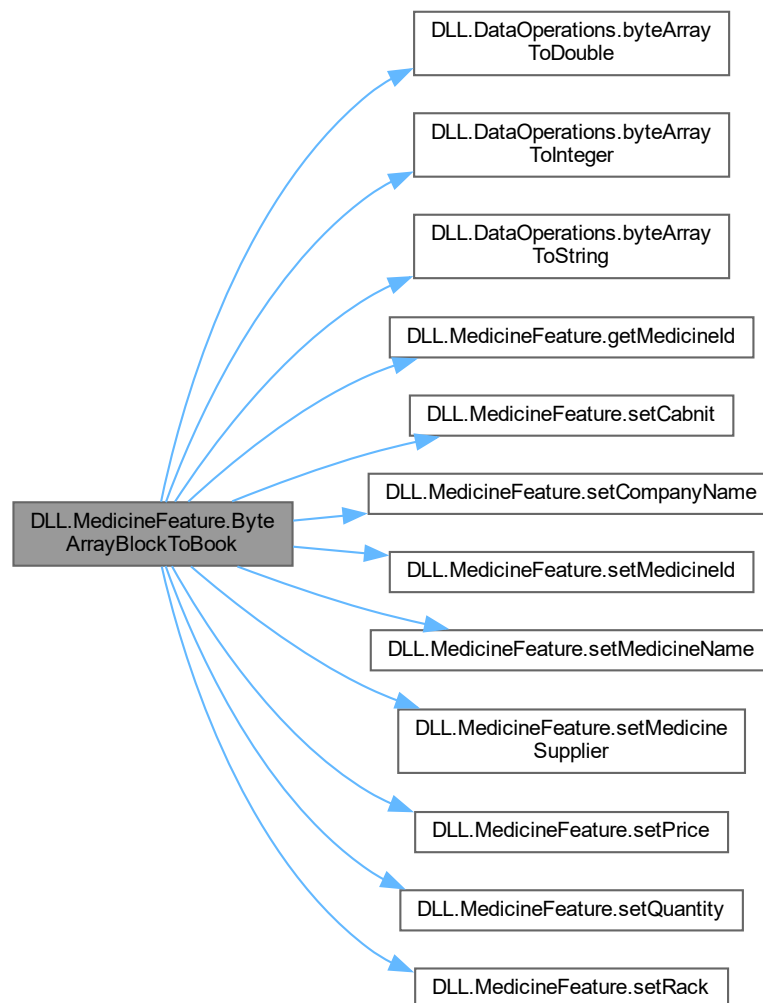
```

static MedicineFeature DLL.MedicineFeature.ByteArrayBlockToBook (
    byte[] byteArray ) [static]
  
```

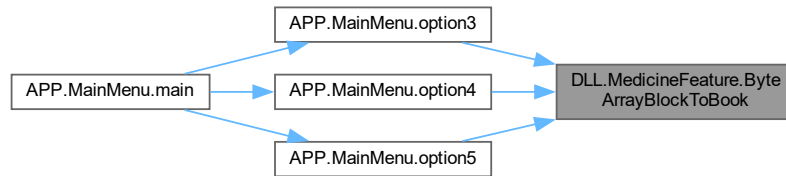
References [DLL.DataOperations.byteArrayToDouble\(\)](#), [DLL.DataOperations.byteArrayToInteger\(\)](#), [DLL.DataOperations.byteArrayToString\(\)](#), [DLL.MedicineFeature.CABNIT\\_NUMBER\\_MAX\\_LENGTH](#), [DLL.MedicineFeature.COMPANY\\_NAME\\_MAX\\_LENGTH](#), [DLL.MedicineFeature.getMedicineId\(\)](#), [DLL.MedicineFeature.MEDICINE\\_DATA\\_BLOCK\\_SIZE](#), [DLL.MedicineFeature.MEDICINE\\_ID\\_MAX\\_LENGTH](#), [DLL.MedicineFeature.MEDICINE\\_NAME\\_MAX\\_LENGTH](#), [DLL.MedicineFeature.MEDICINE\\_PRICE\\_LENGTH](#), [DLL.MedicineFeature.MEDICINE\\_SUPPLIER\\_NAME\\_MAX\\_LENGTH](#), [DLL.MedicineFeature.QUANTITY\\_MAX\\_LENGTH](#), [DLL.MedicineFeature.RACK\\_NUMBER\\_MAX\\_LENGTH](#), [DLL.MedicineFeature.setCabnit\(\)](#), [DLL.MedicineFeature.setCompanyName\(\)](#), [DLL.MedicineFeature.setMedicineId\(\)](#), [DLL.MedicineFeature.setMedicineName\(\)](#), [DLL.MedicineFeature.setMedicineSupplier\(\)](#), [DLL.MedicineFeature.setPrice\(\)](#), [DLL.MedicineFeature.setQuantity\(\)](#), and [DLL.MedicineFeature.setRack\(\)](#).

Referenced by [APP.MainMenu.option3\(\)](#), [APP.MainMenu.option4\(\)](#), and [APP.MainMenu.option5\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



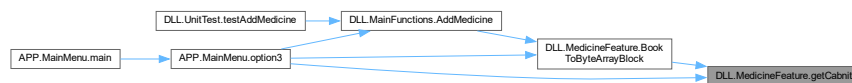
### 5.7.1.3 getCabnit()

```
final int DLL.MedicineFeature.getCabnit ( )
```

References [DLL.MedicineFeature.\\_cabnit](#).

Referenced by [DLL.MedicineFeature.BookToByteArrayBlock\(\)](#), and [APP.MainMenu.option3\(\)](#).

Here is the caller graph for this function:



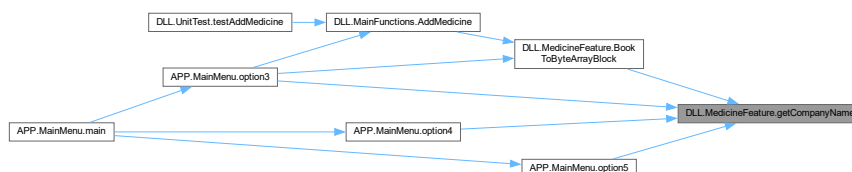
### 5.7.1.4 getCompanyName()

```
final String DLL.MedicineFeature.getCompanyName ( )
```

References [DLL.MedicineFeature.\\_companyName](#).

Referenced by [DLL.MedicineFeature.BookToByteArrayBlock\(\)](#), [APP.MainMenu.option3\(\)](#), [APP.MainMenu.option4\(\)](#), and [APP.MainMenu.option5\(\)](#).

Here is the caller graph for this function:



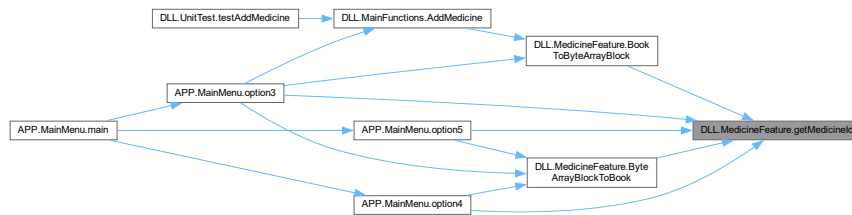
### 5.7.1.5 getMedicineId()

```
final int DLL.MedicineFeature.getMedicineId ( )
```

References [DLL.MedicineFeature.\\_medicineId](#).

Referenced by [DLL.MedicineFeature.BookToByteArrayBlock\(\)](#), [DLL.MedicineFeature.ByteArrayBlockToBook\(\)](#), [APP.MainMenu.option3\(\)](#), [APP.MainMenu.option4\(\)](#), and [APP.MainMenu.option5\(\)](#).

Here is the caller graph for this function:



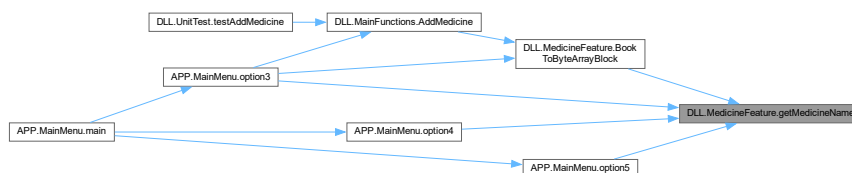
### 5.7.1.6 getMedicineName()

```
final String DLL.MedicineFeature.getMedicineName ( )
```

References [DLL.MedicineFeature.\\_medicineName](#).

Referenced by [DLL.MedicineFeature.BookToByteArrayBlock\(\)](#), [APP.MainMenu.option3\(\)](#), [APP.MainMenu.option4\(\)](#), and [APP.MainMenu.option5\(\)](#).

Here is the caller graph for this function:





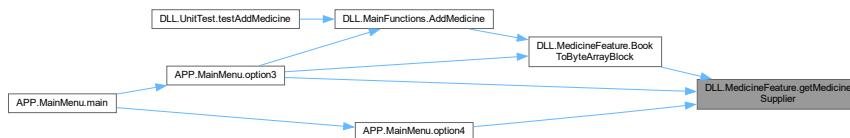
### 5.7.1.7 getMedicineSupplier()

```
final String DLL.MedicineFeature.getMedicineSupplier ( )
```

References [DLL.MedicineFeature.\\_medicineSupplier](#).

Referenced by [DLL.MedicineFeature.BookToByteArrayBlock\(\)](#), [APP.MainMenu.option3\(\)](#), and [APP.MainMenu.option4\(\)](#).

Here is the caller graph for this function:



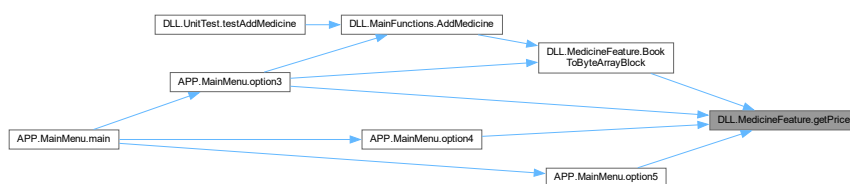
### 5.7.1.8 getPrice()

```
final double DLL.MedicineFeature.getPrice ( )
```

References [DLL.MedicineFeature.\\_price](#).

Referenced by [DLL.MedicineFeature.BookToByteArrayBlock\(\)](#), [APP.MainMenu.option3\(\)](#), [APP.MainMenu.option4\(\)](#), and [APP.MainMenu.option5\(\)](#).

Here is the caller graph for this function:



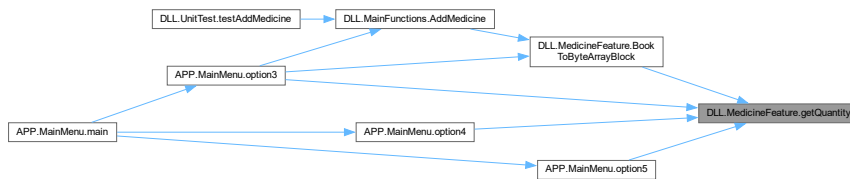
### 5.7.1.9 getQuantity()

```
final int DLL.MedicineFeature.getQuantity ( )
```

References [DLL.MedicineFeature.\\_quantity](#).

Referenced by [DLL.MedicineFeature.BookToByteArrayBlock\(\)](#), [APP.MainMenu.option3\(\)](#), [APP.MainMenu.option4\(\)](#), and [APP.MainMenu.option5\(\)](#).

Here is the caller graph for this function:



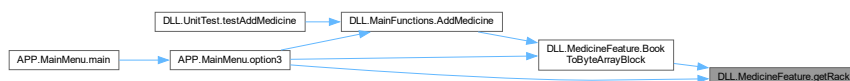
### 5.7.1.10 getRack()

```
final int DLL.MedicineFeature.getRack ( )
```

References [DLL.MedicineFeature.\\_rack](#).

Referenced by [DLL.MedicineFeature.BookToByteArrayBlock\(\)](#), and [APP.MainMenu.option3\(\)](#).

Here is the caller graph for this function:



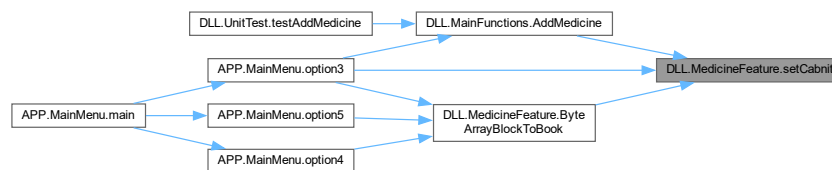
### 5.7.1.11 setCabnit()

```
final void DLL.MedicineFeature.setCabnit (
    int value )
```

References [DLL.MedicineFeature.\\_cabnit](#).

Referenced by [DLL.MainFunctions.AddMedicine\(\)](#), [DLL.MedicineFeature.ByteArrayBlockToBook\(\)](#), and [APP.MainMenu.option3\(\)](#).

Here is the caller graph for this function:



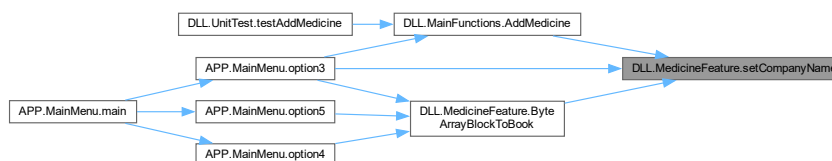
### 5.7.1.12 setCompanyName()

```
final void DLL.MedicineFeature.setCompanyName (
    String value )
```

References [DLL.MedicineFeature.\\_companyName](#).

Referenced by [DLL.MainFunctions.AddMedicine\(\)](#), [DLL.MedicineFeature.ByteArrayBlockToBook\(\)](#), and [APP.MainMenu.option3\(\)](#).

Here is the caller graph for this function:



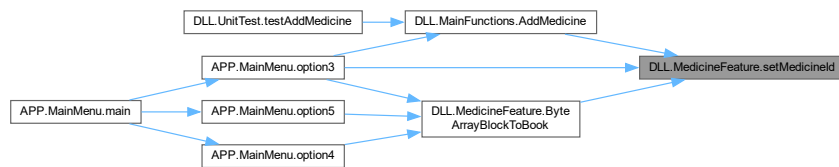
### 5.7.1.13 setMedicineId()

```
final void DLL.MedicineFeature.setMedicineId (
    int value )
```

References [DLL.MedicineFeature.\\_medicineId](#).

Referenced by [DLL.MainFunctions.AddMedicine\(\)](#), [DLL.MedicineFeature.ByteArrayBlockToBook\(\)](#), and [APP.MainMenu.option3\(\)](#).

Here is the caller graph for this function:



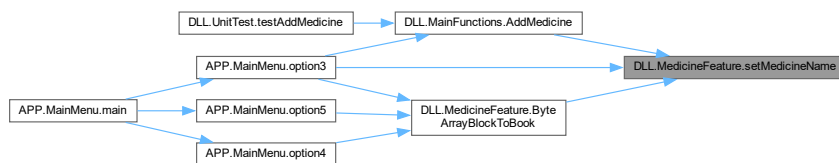
### 5.7.1.14 setMedicineName()

```
final void DLL.MedicineFeature.setMedicineName (
    String value )
```

References [DLL.MedicineFeature.\\_medicineName](#).

Referenced by [DLL.MainFunctions.AddMedicine\(\)](#), [DLL.MedicineFeature.ByteArrayBlockToBook\(\)](#), and [APP.MainMenu.option3\(\)](#).

Here is the caller graph for this function:



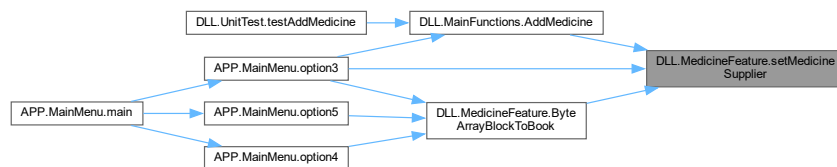
### 5.7.1.15 setMedicineSupplier()

```
final void DLL.MedicineFeature.setMedicineSupplier (
    String value )
```

References [DLL.MedicineFeature.\\_medicineSupplier](#).

Referenced by [DLL.MainFunctions.AddMedicine\(\)](#), [DLL.MedicineFeature.ByteArrayBlockToBook\(\)](#), and [APP.MainMenu.option3\(\)](#).

Here is the caller graph for this function:



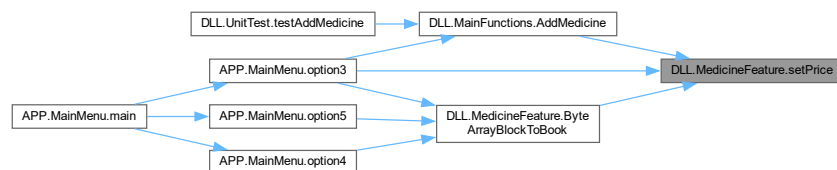
### 5.7.1.16 setPrice()

```
final void DLL.MedicineFeature.setPrice (
    double value )
```

References [DLL.MedicineFeature.\\_price](#).

Referenced by [DLL.MainFunctions.AddMedicine\(\)](#), [DLL.MedicineFeature.ByteArrayBlockToBook\(\)](#), and [APP.MainMenu.option3\(\)](#).

Here is the caller graph for this function:



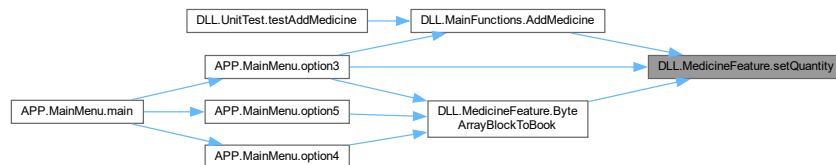
### 5.7.1.17 setQuantity()

```
final void DLL.MedicineFeature.setQuantity (
    int value )
```

References [DLL.MedicineFeature.\\_quantity](#).

Referenced by [DLL.MainFunctions.AddMedicine\(\)](#), [DLL.MedicineFeature.ByteArrayBlockToBook\(\)](#), and [APP.MainMenu.option3\(\)](#).

Here is the caller graph for this function:



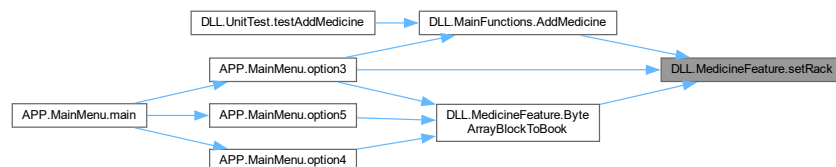
### 5.7.1.18 setRack()

```
final void DLL.MedicineFeature.setRack (
    int value )
```

References [DLL.MedicineFeature.\\_rack](#).

Referenced by [DLL.MainFunctions.AddMedicine\(\)](#), [DLL.MedicineFeature.ByteArrayBlockToBook\(\)](#), and [APP.MainMenu.option3\(\)](#).

Here is the caller graph for this function:



## 5.7.2 Member Data Documentation

### 5.7.2.1 \_cabnit

```
int DLL.MedicineFeature._cabnit [private]
```

Referenced by [DLL.MedicineFeature.getCabnit\(\)](#), and [DLL.MedicineFeature.setCabnit\(\)](#).

### 5.7.2.2 `_companyName`

```
String DLL.MedicineFeature._companyName [private]
```

Referenced by [DLL.MedicineFeature.getCompanyName\(\)](#), and [DLL.MedicineFeature.setCompanyName\(\)](#).

### 5.7.2.3 `_medicineId`

```
int DLL.MedicineFeature._medicineId [private]
```

Referenced by [DLL.MedicineFeature.getMedicineId\(\)](#), and [DLL.MedicineFeature.setMedicineId\(\)](#).

### 5.7.2.4 `_medicineName`

```
String DLL.MedicineFeature._medicineName [private]
```

Referenced by [DLL.MedicineFeature.getMedicineName\(\)](#), and [DLL.MedicineFeature.setMedicineName\(\)](#).

### 5.7.2.5 `_medicineSupplier`

```
String DLL.MedicineFeature._medicineSupplier [private]
```

Referenced by [DLL.MedicineFeature.getMedicineSupplier\(\)](#), and [DLL.MedicineFeature.setMedicineSupplier\(\)](#).

### 5.7.2.6 `_price`

```
double DLL.MedicineFeature._price [private]
```

Referenced by [DLL.MedicineFeature.getPrice\(\)](#), and [DLL.MedicineFeature.setPrice\(\)](#).

### 5.7.2.7 `_quantity`

```
int DLL.MedicineFeature._quantity [private]
```

Referenced by [DLL.MedicineFeature.getQuantity\(\)](#), and [DLL.MedicineFeature.setQuantity\(\)](#).

### 5.7.2.8 \_rack

```
int DLL.MedicineFeature._rack [private]
```

Referenced by [DLL.MedicineFeature.getRack\(\)](#), and [DLL.MedicineFeature.setRack\(\)](#).

### 5.7.2.9 CABNIT\_NUMBER\_MAX\_LENGTH

```
final int DLL.MedicineFeature.CABNIT_NUMBER_MAX_LENGTH = 4 [static]
```

Referenced by [DLL.MedicineFeature.BookToByteArrayBlock\(\)](#), and [DLL.MedicineFeature.ByteArrayBlockToBook\(\)](#).

### 5.7.2.10 COMPANY\_NAME\_MAX\_LENGTH

```
final int DLL.MedicineFeature.COMPANY_NAME_MAX_LENGTH = 50 [static]
```

Referenced by [DLL.MedicineFeature.BookToByteArrayBlock\(\)](#), and [DLL.MedicineFeature.ByteArrayBlockToBook\(\)](#).

### 5.7.2.11 MEDICINE\_DATA\_BLOCK\_SIZE

```
final int DLL.MedicineFeature.MEDICINE_DATA_BLOCK_SIZE = MEDICINE_ID_LENGTH + QUANTITY_MAX_LENGTH  
+ MEDICINE_NAME_MAX_LENGTH + MEDICINE_PRICE_LENGTH + RACK_NUMBER_MAX_LENGTH + CABNIT_NUMBER_MAX_LENGTH  
+ MEDICINE_SUPPLIER_NAME_MAX_LENGTH + COMPANY_NAME_MAX_LENGTH [static]
```

Referenced by [DLL.MedicineFeature.BookToByteArrayBlock\(\)](#), [DLL.MedicineFeature.ByteArrayBlockToBook\(\)](#), [APP.MainMenu.option3\(\)](#), [APP.MainMenu.option4\(\)](#), and [APP.MainMenu.option5\(\)](#).

### 5.7.2.12 MEDICINE\_ID\_LENGTH

```
final int DLL.MedicineFeature.MEDICINE_ID_LENGTH = 4 [static]
```

Referenced by [DLL.MedicineFeature.BookToByteArrayBlock\(\)](#), and [DLL.MedicineFeature.ByteArrayBlockToBook\(\)](#).

### 5.7.2.13 MEDICINE\_NAME\_MAX\_LENGTH

```
final int DLL.MedicineFeature.MEDICINE_NAME_MAX_LENGTH = 50 [static]
```

Referenced by [DLL.MedicineFeature.BookToByteArrayBlock\(\)](#), and [DLL.MedicineFeature.ByteArrayBlockToBook\(\)](#).



#### 5.7.2.14 MEDICINE\_PRICE\_LENGTH

```
final int DLL.MedicineFeature.MEDICINE_PRICE_LENGTH =8 [static]
```

Referenced by [DLL.MedicineFeature.BookToByteArrayBlock\(\)](#), and [DLL.MedicineFeature.ByteArrayBlockToBook\(\)](#).

#### 5.7.2.15 MEDICINE\_SUPPLIER\_NAME\_MAX\_LENGTH

```
final int DLL.MedicineFeature.MEDICINE_SUPPLIER_NAME_MAX_LENGTH = 50 [static]
```

Referenced by [DLL.MedicineFeature.BookToByteArrayBlock\(\)](#), and [DLL.MedicineFeature.ByteArrayBlockToBook\(\)](#).

#### 5.7.2.16 QUANTITY\_MAX\_LENGTH

```
final int DLL.MedicineFeature.QUANTITY_MAX_LENGTH = 4 [static]
```

Referenced by [DLL.MedicineFeature.BookToByteArrayBlock\(\)](#), and [DLL.MedicineFeature.ByteArrayBlockToBook\(\)](#).

#### 5.7.2.17 RACK\_NUMBER\_MAX\_LENGTH

```
final int DLL.MedicineFeature.RACK_NUMBER_MAX_LENGTH = 4 [static]
```

Referenced by [DLL.MedicineFeature.BookToByteArrayBlock\(\)](#), and [DLL.MedicineFeature.ByteArrayBlockToBook\(\)](#).

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

- C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/[MedicineFeature.java](#)

## 5.8 DLL.MenuDesign Class Reference

### Static Public Member Functions

- static void [printMenu](#) (String[] options)

### 5.8.1 Member Function Documentation

### 5.8.1.1 printMenu()

```
static void DLL.MenuDesign.printMenu (
    String[] options ) [static]
```

Referenced by [APP.MainMenu.main\(\)](#).

Here is the caller graph for this function:



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

- C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/[MenuDesign.java](#)

## 5.9 DLL.SaleMedicineFeature Class Reference

### Public Member Functions

- final int [getCustomerId](#) ()
- final void [setCustomerId](#) (int value)
- final int [getMedicineId](#) ()
- final void [setMedicineId](#) (int value)
- final int [getMedicineQuantity](#) ()
- final void [setMedicineQuantity](#) (int value)
- final String [getSaleDate](#) ()
- final void [setSaleDate](#) (String value)

### Static Public Member Functions

- static byte[] [BookToByteArrayBlock](#) ([SaleMedicineFeature](#) sale)
- static [SaleMedicineFeature](#) [ByteArrayBlockToBook](#) (byte[] byteArray)

### Static Public Attributes

- static final int [CUSTOMER\\_ID\\_MAX\\_LENGTH](#) = 4
- static final int [MEDICINE\\_ID\\_LENGTH](#) = 4
- static final int [MEDICINE\\_QUANTITY\\_LENGTH](#) = 4
- static final int [SALE\\_DATE](#) =4
- static final int [SALE\\_DATA\\_BLOCK\\_SIZE](#) = [SALE\\_DATE](#)+[CUSTOMER\\_ID\\_MAX\\_LENGTH](#) + [MEDICINE\\_ID\\_LENGTH](#) + [MEDICINE\\_QUANTITY\\_LENGTH](#)

## Private Attributes

- `int _customerId`
- `int _medicineId`
- `int _medicineQuantity`
- `String _saleDate`

## 5.9.1 Member Function Documentation

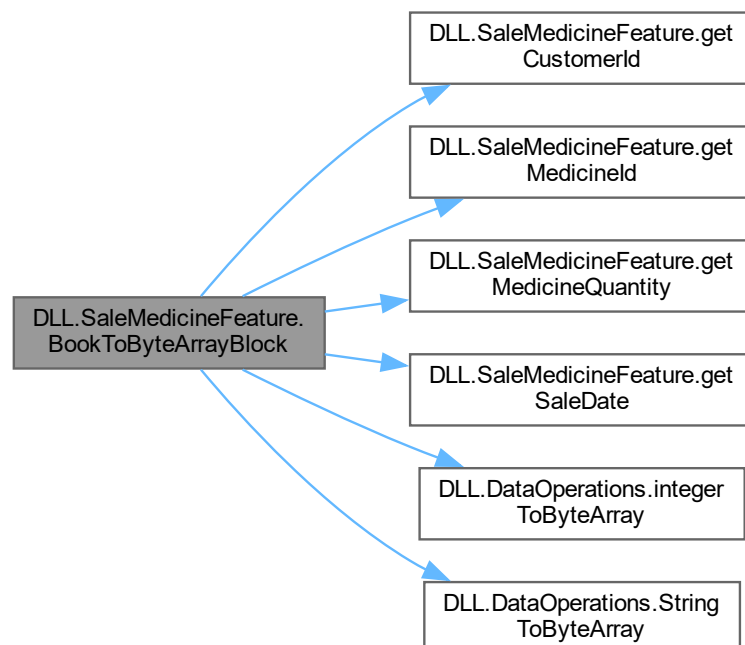
### 5.9.1.1 BookToByteArrayBlock()

```
static byte[] DLL.SaleMedicineFeature.BookToByteArrayBlock (  
    SaleMedicineFeature sale ) [static]
```

References [DLL.SaleMedicineFeature.CUSTOMER\\_ID\\_MAX\\_LENGTH](#), [DLL.SaleMedicineFeature.getCustomerId\(\)](#), [DLL.SaleMedicineFeature.getMedicineId\(\)](#), [DLL.SaleMedicineFeature.getMedicineQuantity\(\)](#), [DLL.SaleMedicineFeature.getSaleDate\(\)](#), [DLL.DataOperations.integerToByteArray\(\)](#), [DLL.SaleMedicineFeature.MEDICINE\\_ID\\_LENGTH](#), [DLL.SaleMedicineFeature.MEDICINE\\_ID\\_MAX\\_LENGTH](#), [DLL.SaleMedicineFeature.SALE\\_DATA\\_BLOCK\\_SIZE](#), [DLL.SaleMedicineFeature.SALE\\_DATE](#), and [DLL.DataOperations.StringToByteArray\(\)](#).

Referenced by [DLL.MainFunctions.AddSaleMedicine\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



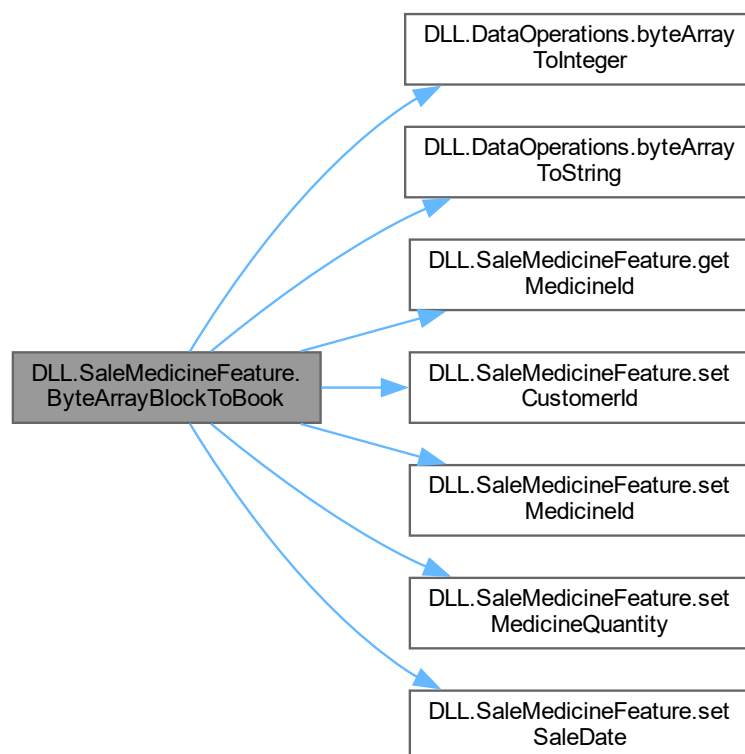
### 5.9.1.2 ByteArrayBlockToBook()

```
static SaleMedicineFeature DLL.SaleMedicineFeature.ByteArrayBlockToBook (
    byte[] byteArray ) [static]
```

References [DLL.DataOperations.byteArrayToInteger\(\)](#), [DLL.DataOperations.byteArrayToString\(\)](#), [DLL.SaleMedicineFeature.CUSTOMER\\_ID\\_LENGTH](#), [DLL.SaleMedicineFeature.getMedicineId\(\)](#), [DLL.SaleMedicineFeature.MEDICINE\\_ID\\_LENGTH](#), [DLL.SaleMedicineFeature.MEDICINE\\_ID\\_LENGTH](#), [DLL.SaleMedicineFeature.SALE\\_DATA\\_BLOCK\\_SIZE](#), [DLL.SaleMedicineFeature.SALE\\_DATE](#), [DLL.SaleMedicineFeature.setCustomerId\(\)](#), [DLL.SaleMedicineFeature.setMedicineId\(\)](#), [DLL.SaleMedicineFeature.setMedicineQuantity\(\)](#), and [DLL.SaleMedicineFeature.setSaleDate\(\)](#).

Referenced by [APP.MainMenu.option4\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



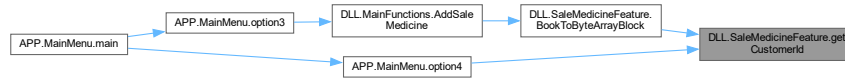
### 5.9.1.3 getCustomerId()

```
final int DLL.SaleMedicineFeature.getCustomerId ( )
```

References [DLL.SaleMedicineFeature.\\_customerId](#).

Referenced by [DLL.SaleMedicineFeature.BookToByteArrayBlock\(\)](#), and [APP.MainMenu.option4\(\)](#).

Here is the caller graph for this function:



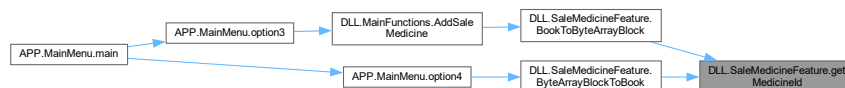
### 5.9.1.4 getMedicineId()

```
final int DLL.SaleMedicineFeature.getMedicineId ( )
```

References [DLL.SaleMedicineFeature.\\_medicineId](#).

Referenced by [DLL.SaleMedicineFeature.BookToByteArrayBlock\(\)](#), [DLL.SaleMedicineFeature.ByteArrayBlockToBook\(\)](#), and [APP.MainMenu.option4\(\)](#).

Here is the caller graph for this function:



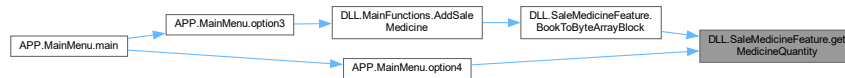
### 5.9.1.5 getMedicineQuantity()

```
final int DLL.SaleMedicineFeature.getMedicineQuantity ( )
```

References [DLL.SaleMedicineFeature.\\_medicineQuantity](#).

Referenced by [DLL.SaleMedicineFeature.BookToByteArrayBlock\(\)](#), and [APP.MainMenu.option4\(\)](#).

Here is the caller graph for this function:



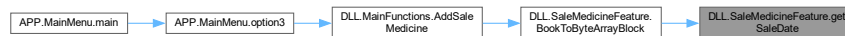
### 5.9.1.6 getSaleDate()

```
final String DLL.SaleMedicineFeature.getSaleDate ( )
```

References [DLL.SaleMedicineFeature.\\_saleDate](#).

Referenced by [DLL.SaleMedicineFeature.BookToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



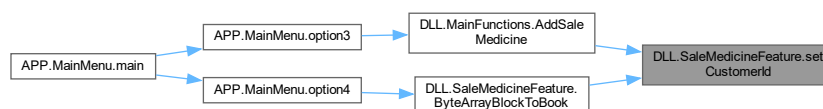
### 5.9.1.7 setCustomerId()

```
final void DLL.SaleMedicineFeature.setCustomerId (
    int value )
```

References [DLL.SaleMedicineFeature.\\_customerId](#).

Referenced by [DLL.MainFunctions.AddSaleMedicine\(\)](#), and [DLL.SaleMedicineFeature.ByteArrayBlockToBook\(\)](#).

Here is the caller graph for this function:



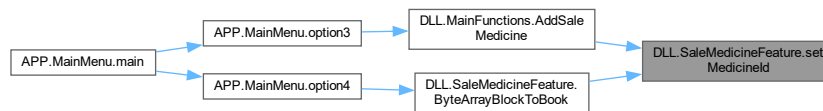
### 5.9.1.8 setMedicineId()

```
final void DLL.SaleMedicineFeature.setMedicineId (
    int value )
```

References [DLL.SaleMedicineFeature.\\_medicineId](#).

Referenced by [DLL.MainFunctions.AddSaleMedicine\(\)](#), and [DLL.SaleMedicineFeature.ByteArrayBlockToBook\(\)](#).

Here is the caller graph for this function:



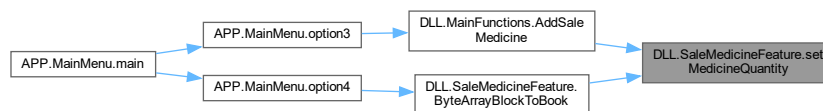
### 5.9.1.9 setMedicineQuantity()

```
final void DLL.SaleMedicineFeature.setMedicineQuantity (
    int value )
```

References [DLL.SaleMedicineFeature.\\_medicineQuantity](#).

Referenced by [DLL.MainFunctions.AddSaleMedicine\(\)](#), and [DLL.SaleMedicineFeature.ByteArrayBlockToBook\(\)](#).

Here is the caller graph for this function:



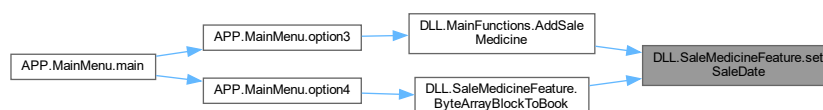
### 5.9.1.10 setSaleDate()

```
final void DLL.SaleMedicineFeature.setSaleDate (
    String value )
```

References [DLL.SaleMedicineFeature.\\_saleDate](#).

Referenced by [DLL.MainFunctions.AddSaleMedicine\(\)](#), and [DLL.SaleMedicineFeature.ByteArrayBlockToBook\(\)](#).

Here is the caller graph for this function:



## 5.9.2 Member Data Documentation

### 5.9.2.1 `_customerId`

```
int DLL.SaleMedicineFeature._customerId [private]
```

Referenced by [DLL.SaleMedicineFeature.getCustomerId\(\)](#), and [DLL.SaleMedicineFeature.setCustomerId\(\)](#).

### 5.9.2.2 `_medicineId`

```
int DLL.SaleMedicineFeature._medicineId [private]
```

Referenced by [DLL.SaleMedicineFeature.getMedicineId\(\)](#), and [DLL.SaleMedicineFeature.setMedicineId\(\)](#).

### 5.9.2.3 `_medicineQuantity`

```
int DLL.SaleMedicineFeature._medicineQuantity [private]
```

Referenced by [DLL.SaleMedicineFeature.getMedicineQuantity\(\)](#), and [DLL.SaleMedicineFeature.setMedicineQuantity\(\)](#).

### 5.9.2.4 `_saleDate`

```
String DLL.SaleMedicineFeature._saleDate [private]
```

Referenced by [DLL.SaleMedicineFeature.getSaleDate\(\)](#), and [DLL.SaleMedicineFeature.setSaleDate\(\)](#).

### 5.9.2.5 `CUSTOMER_ID_MAX_LENGTH`

```
final int DLL.SaleMedicineFeature.CUSTOMER_ID_MAX_LENGTH = 4 [static]
```

Referenced by [DLL.SaleMedicineFeature.BookToByteArrayBlock\(\)](#), and [DLL.SaleMedicineFeature.ByteArrayBlockToBook\(\)](#).



### 5.9.2.6 MEDICINE\_ID\_LENGTH

```
final int DLL.SaleMedicineFeature.MEDICINE_ID_LENGTH = 4 [static]
```

Referenced by [DLL.SaleMedicineFeature.BookToByteArrayBlock\(\)](#), and [DLL.SaleMedicineFeature.ByteArrayBlockToBook\(\)](#).

### 5.9.2.7 MEDICINE\_QUANTITY\_LENGTH

```
final int DLL.SaleMedicineFeature.MEDICINE_QUANTITY_LENGTH = 4 [static]
```

Referenced by [DLL.SaleMedicineFeature.BookToByteArrayBlock\(\)](#), and [DLL.SaleMedicineFeature.ByteArrayBlockToBook\(\)](#).

### 5.9.2.8 SALE\_DATA\_BLOCK\_SIZE

```
final int DLL.SaleMedicineFeature.SALE_DATA_BLOCK_SIZE = SALE_DATE+CUSTOMER_ID_MAX_LENGTH +  
MEDICINE_ID_LENGTH + MEDICINE_QUANTITY_LENGTH [static]
```

Referenced by [DLL.SaleMedicineFeature.BookToByteArrayBlock\(\)](#), [DLL.SaleMedicineFeature.ByteArrayBlockToBook\(\)](#), and [APP.MainMenu.option4\(\)](#).

### 5.9.2.9 SALE\_DATE

```
final int DLL.SaleMedicineFeature.SALE_DATE =4 [static]
```

Referenced by [DLL.SaleMedicineFeature.BookToByteArrayBlock\(\)](#), and [DLL.SaleMedicineFeature.ByteArrayBlockToBook\(\)](#).

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

- C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/[SaleMedicineFeature.java](#)

## 5.10 DLL.SupplierFeature Class Reference

### Public Member Functions

- final int [getId](#) ()
- final void [setId](#) (int value)
- final long [getContactNum](#) ()
- final void [setContactNum](#) (long value)
- final String [getSupplierName](#) ()
- final void [setSupplierName](#) (String value)
- final String [getCityName](#) ()
- final void [setCityName](#) (String value)
- final String [getEmail](#) ()
- final void [setEmail](#) (String value)

## Static Public Member Functions

- static byte[] [BookToByteArrayBlock](#) ([SupplierFeature](#) supplier)
- static [SupplierFeature](#) [ByteArrayBlockToBook](#) (byte[] byteArray)

## Static Public Attributes

- static final int [ID\\_LENGTH](#) = 4
- static final int [SUPPLIER\\_NAME\\_MAX\\_LENGTH](#) = 50
- static final int [CITY\\_NAME\\_MAX\\_LENGTH](#) = 50
- static final int [CONTACT\\_NUMBER\\_MAX\\_LENGTH](#) = 20
- static final int [EMAIL\\_MAX\\_LENGTH](#) = 50
- static final int [SUPPLIER\\_DATA\\_BLOCK\\_SIZE](#) = [ID\\_LENGTH](#) + [SUPPLIER\\_NAME\\_MAX\\_LENGTH](#) + [CITY\\_NAME\\_MAX\\_LENGTH](#) + [CONTACT\\_NUMBER\\_MAX\\_LENGTH](#) + [EMAIL\\_MAX\\_LENGTH](#)

## Private Attributes

- int [\\_id](#)
- long [\\_contactNum](#)
- String [\\_supplierName](#)
- String [\\_cityName](#)
- String [\\_email](#)

## 5.10.1 Member Function Documentation

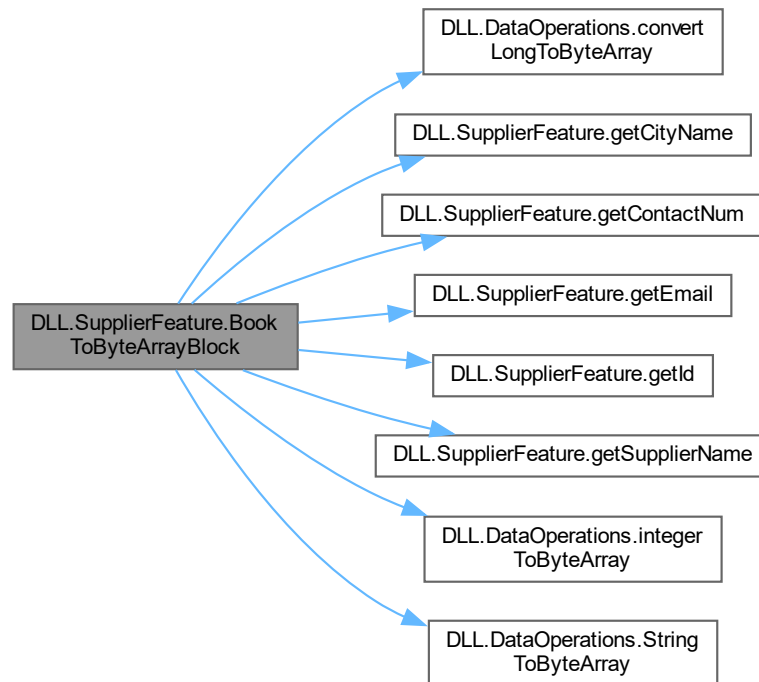
### 5.10.1.1 BookToByteArrayBlock()

```
static byte[] DLL.SupplierFeature.BookToByteArrayBlock (
    SupplierFeature supplier ) [static]
```

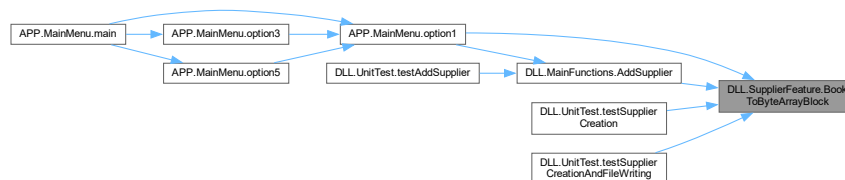
References [DLL.SupplierFeature.CITY\\_NAME\\_MAX\\_LENGTH](#), [DLL.SupplierFeature.CONTACT\\_NUMBER\\_MAX\\_LENGTH](#), [DLL.DataOperations.convertLongToByteArray\(\)](#), [DLL.SupplierFeature.EMAIL\\_MAX\\_LENGTH](#), [DLL.SupplierFeature.getCityName\(\)](#), [DLL.SupplierFeature.getContactNum\(\)](#), [DLL.SupplierFeature.getEmail\(\)](#), [DLL.SupplierFeature.getId\(\)](#), [DLL.SupplierFeature.getSupplierName\(\)](#), [DLL.SupplierFeature.ID\\_LENGTH](#), [DLL.DataOperations.integerToByteArray\(\)](#), [DLL.DataOperations.StringToByteArray\(\)](#), [DLL.SupplierFeature.SUPPLIER\\_DATA\\_BLOCK\\_SIZE](#), and [DLL.SupplierFeature.SUPPLIER\\_NAME\\_MAX\\_LENGTH](#).

Referenced by [DLL.MainFunctions.AddSupplier\(\)](#), [APP.MainMenu.option1\(\)](#), [DLL.UnitTest.testSupplierCreation\(\)](#), and [DLL.UnitTest.testSupplierCreationAndFileWriting\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



### 5.10.1.2 ByteArrayBlockToBook()

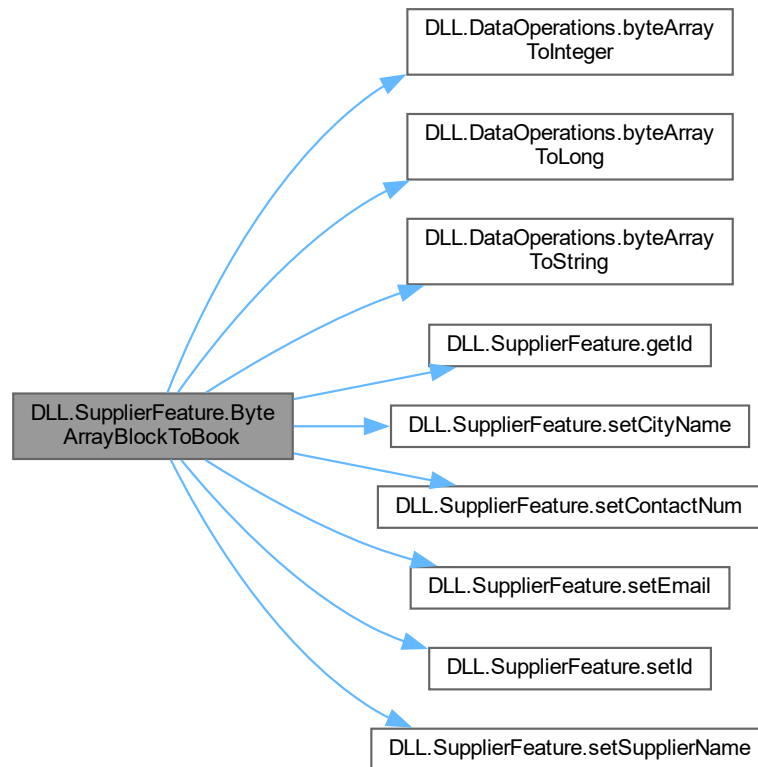
```
static SupplierFeature DLL.SupplierFeature.ByteArrayBlockToBook (
    byte[] byteArray ) [static]
```

References `DLL.DataOperations.byteArrayToInteger()`, `DLL.DataOperations.byteArrayToLong()`, `DLL.DataOperations.byteArrayToString()`, `DLL.SupplierFeature.CITY_NAME_MAX_LENGTH`, `DLL.SupplierFeature.CONTACT_NUMBER_MAX_LENGTH`, `DLL.SupplierFeature.EMAIL_MAX_LENGTH`, `DLL.SupplierFeature.getId()`, `DLL.SupplierFeature.ID_LENGTH`, `DLL.SupplierFeature.setCityName()`, `DLL.SupplierFeature.setContactNum()`, `DLL.SupplierFeature.setEmail()`,

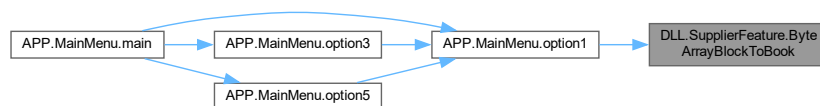
[DLL.SupplierFeature.setId\(\)](#), [DLL.SupplierFeature.setSupplierName\(\)](#), [DLL.SupplierFeature.SUPPLIER\\_DATA\\_BLOCK\\_SIZE](#), and [DLL.SupplierFeature.SUPPLIER\\_NAME\\_MAX\\_LENGTH](#).

Referenced by [APP.MainMenu.option1\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



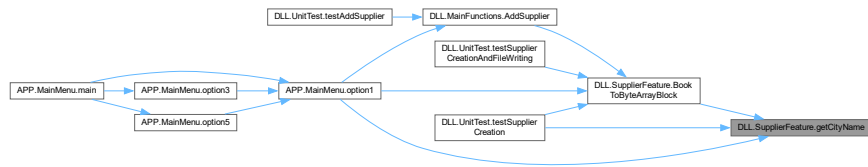
### 5.10.1.3 `getCityName()`

```
final String DLL.SupplierFeature.getCityName ( )
```

References [DLL.SupplierFeature.\\_cityName](#).

Referenced by [DLL.SupplierFeature.BookToByteArrayBlock\(\)](#), [APP.MainMenu.option1\(\)](#), and [DLL.UnitTest.testSupplierCreation\(\)](#).

Here is the caller graph for this function:



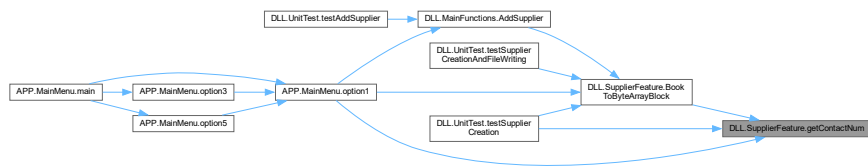
#### 5.10.1.4 getContactNum()

```
final long DLL.SupplierFeature.getContactNum ( )
```

References [DLL.SupplierFeature.\\_contactNum](#).

Referenced by [DLL.SupplierFeature.BookToByteArrayBlock\(\)](#), [APP.MainMenu.option1\(\)](#), and [DLL.UnitTest.testSupplierCreation\(\)](#).

Here is the caller graph for this function:



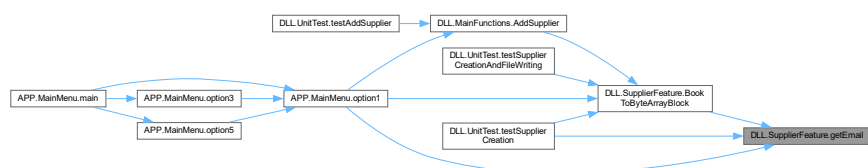
#### 5.10.1.5 getEmail()

```
final String DLL.SupplierFeature.getEmail ( )
```

References [DLL.SupplierFeature.\\_email](#).

Referenced by [DLL.SupplierFeature.BookToByteArrayBlock\(\)](#), [APP.MainMenu.option1\(\)](#), and [DLL.UnitTest.testSupplierCreation\(\)](#).

Here is the caller graph for this function:



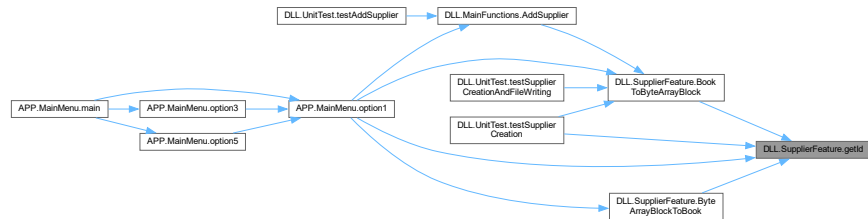
### 5.10.1.6 getId()

```
final int DLL.SupplierFeature.getId ( )
```

References [DLL.SupplierFeature.\\_id](#).

Referenced by [DLL.SupplierFeature.BookToByteArrayBlock\(\)](#), [DLL.SupplierFeature.ByteArrayBlockToBook\(\)](#), [APP.MainMenu.option1\(\)](#), and [DLL.UnitTest.testSupplierCreation\(\)](#).

Here is the caller graph for this function:



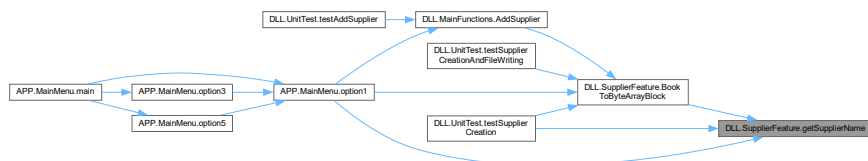
### 5.10.1.7 getSupplierName()

```
final String DLL.SupplierFeature.getSupplierName ( )
```

References [DLL.SupplierFeature.\\_supplierName](#).

Referenced by [DLL.SupplierFeature.BookToByteArrayBlock\(\)](#), [APP.MainMenu.option1\(\)](#), and [DLL.UnitTest.testSupplierCreation\(\)](#).

Here is the caller graph for this function:



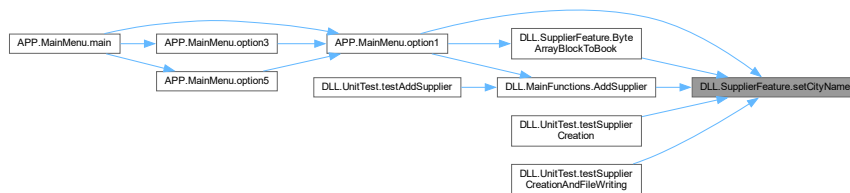
### 5.10.1.8 setCityName()

```
final void DLL.SupplierFeature.setCityName (
    String value )
```

References [DLL.SupplierFeature.\\_cityName](#).

Referenced by [DLL.MainFunctions.AddSupplier\(\)](#), [DLL.SupplierFeature.ByteArrayBlockToBook\(\)](#), [APP.MainMenu.option1\(\)](#), [DLL.UnitTest.testSupplierCreation\(\)](#), and [DLL.UnitTest.testSupplierCreationAndFileWriting\(\)](#).

Here is the caller graph for this function:



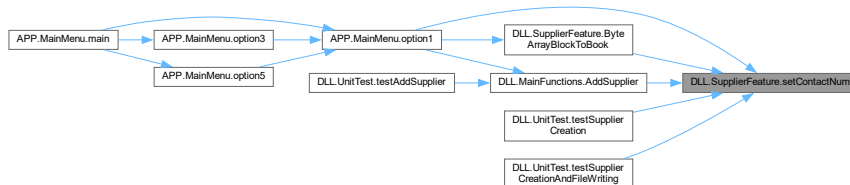
### 5.10.1.9 setContactNum()

```
final void DLL.SupplierFeature.setContactNum (
    long value )
```

References [DLL.SupplierFeature.\\_contactNum](#).

Referenced by [DLL.MainFunctions.AddSupplier\(\)](#), [DLL.SupplierFeature.ByteArrayBlockToBook\(\)](#), [APP.MainMenu.option1\(\)](#), [DLL.UnitTest.testSupplierCreation\(\)](#), and [DLL.UnitTest.testSupplierCreationAndFileWriting\(\)](#).

Here is the caller graph for this function:



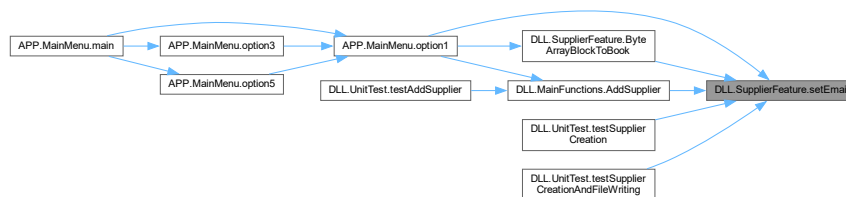
### 5.10.1.10 setEmail()

```
final void DLL.SupplierFeature.setEmail (
    String value )
```

References [DLL.SupplierFeature.\\_email](#).

Referenced by [DLL.MainFunctions.AddSupplier\(\)](#), [DLL.SupplierFeature.ByteArrayBlockToBook\(\)](#), [APP.MainMenu.option1\(\)](#), [DLL.UnitTest.testSupplierCreation\(\)](#), and [DLL.UnitTest.testSupplierCreationAndFileWriting\(\)](#).

Here is the caller graph for this function:



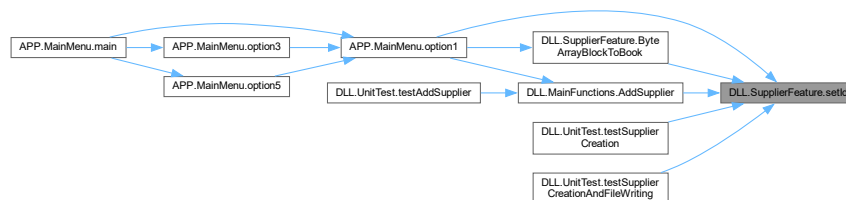
### 5.10.1.11 setId()

```
final void DLL.SupplierFeature.setId (
    int value )
```

References [DLL.SupplierFeature.\\_id](#).

Referenced by [DLL.MainFunctions.AddSupplier\(\)](#), [DLL.SupplierFeature.ByteArrayBlockToBook\(\)](#), [APP.MainMenu.option1\(\)](#), [DLL.UnitTest.testSupplierCreation\(\)](#), and [DLL.UnitTest.testSupplierCreationAndFileWriting\(\)](#).

Here is the caller graph for this function:





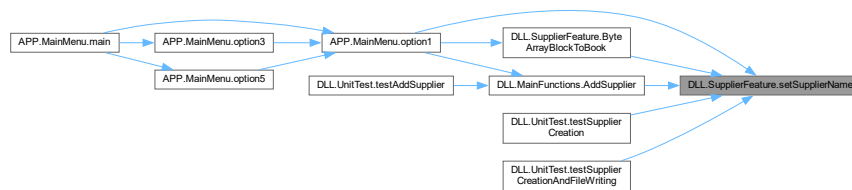
### 5.10.1.12 setSupplierName()

```
final void DLL.SupplierFeature.setSupplierName (
    String value )
```

References [DLL.SupplierFeature.\\_supplierName](#).

Referenced by [DLL.MainFunctions.AddSupplier\(\)](#), [DLL.SupplierFeature.ByteArrayBlockToBook\(\)](#), [APP.MainMenu.option1\(\)](#), [DLL.UnitTest.testSupplierCreation\(\)](#), and [DLL.UnitTest.testSupplierCreationAndFileWriting\(\)](#).

Here is the caller graph for this function:



## 5.10.2 Member Data Documentation

### 5.10.2.1 \_cityName

```
String DLL.SupplierFeature._cityName [private]
```

Referenced by [DLL.SupplierFeature.getCityName\(\)](#), and [DLL.SupplierFeature.setCityName\(\)](#).

### 5.10.2.2 \_contactNum

```
long DLL.SupplierFeature._contactNum [private]
```

Referenced by [DLL.SupplierFeature.getContactNum\(\)](#), and [DLL.SupplierFeature.setContactNum\(\)](#).

### 5.10.2.3 \_email

```
String DLL.SupplierFeature._email [private]
```

Referenced by [DLL.SupplierFeature.getEmail\(\)](#), and [DLL.SupplierFeature.setEmail\(\)](#).

#### 5.10.2.4 `_id`

```
int DLL.SupplierFeature._id [private]
```

Referenced by [DLL.SupplierFeature.getId\(\)](#), and [DLL.SupplierFeature.setId\(\)](#).

#### 5.10.2.5 `_supplierName`

```
String DLL.SupplierFeature._supplierName [private]
```

Referenced by [DLL.SupplierFeature.getSupplierName\(\)](#), and [DLL.SupplierFeature.setSupplierName\(\)](#).

#### 5.10.2.6 `CITY_NAME_MAX_LENGTH`

```
final int DLL.SupplierFeature.CITY_NAME_MAX_LENGTH = 50 [static]
```

Referenced by [DLL.SupplierFeature.BookToByteArrayBlock\(\)](#), and [DLL.SupplierFeature.ByteArrayBlockToBook\(\)](#).

#### 5.10.2.7 `CONTACT_NUMBER_MAX_LENGTH`

```
final int DLL.SupplierFeature.CONTACT_NUMBER_MAX_LENGTH = 20 [static]
```

Referenced by [DLL.SupplierFeature.BookToByteArrayBlock\(\)](#), and [DLL.SupplierFeature.ByteArrayBlockToBook\(\)](#).

#### 5.10.2.8 `EMAIL_MAX_LENGTH`

```
final int DLL.SupplierFeature.EMAIL_MAX_LENGTH = 50 [static]
```

Referenced by [DLL.SupplierFeature.BookToByteArrayBlock\(\)](#), and [DLL.SupplierFeature.ByteArrayBlockToBook\(\)](#).

#### 5.10.2.9 `ID_LENGTH`

```
final int DLL.SupplierFeature.ID_LENGTH = 4 [static]
```

Referenced by [DLL.SupplierFeature.BookToByteArrayBlock\(\)](#), [DLL.CustomerFeature.ByteArrayBlockToBook\(\)](#), and [DLL.SupplierFeature.ByteArrayBlockToBook\(\)](#).

### 5.10.2.10 SUPPLIER\_DATA\_BLOCK\_SIZE

```
final int DLL.SupplierFeature.SUPPLIER_DATA_BLOCK_SIZE = ID_LENGTH + SUPPLIER_NAME_MAX_LENGTH  
+ CITY_NAME_MAX_LENGTH + CONTACT_NUMBER_MAX_LENGTH + EMAIL_MAX_LENGTH [static]
```

Referenced by [DLL.SupplierFeature.BookToByteArrayBlock\(\)](#), [DLL.SupplierFeature.ByteArrayBlockToBook\(\)](#), and [APP.MainMenu.option1\(\)](#).

### 5.10.2.11 SUPPLIER\_NAME\_MAX\_LENGTH

```
final int DLL.SupplierFeature.SUPPLIER_NAME_MAX_LENGTH = 50 [static]
```

Referenced by [DLL.SupplierFeature.BookToByteArrayBlock\(\)](#), and [DLL.SupplierFeature.ByteArrayBlockToBook\(\)](#).

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

- C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/[SupplierFeature.java](#)

## 5.11 DLL.UnitTest Class Reference

### Public Member Functions

- void [testSupplierCreationAndFileWriting](#) () throws IOException
- void [testSupplierCreation](#) () throws IOException
- void [testHexStringToByteArray](#) ()
- void [testByteArrayToHexString](#) ()
- void [testIsHex](#) ()
- void [testGetInt](#) ()
- void [testByteArrayToLong](#) ()
- void [testByteArrayToInteger](#) ()
- void [testByteArrayToFloat](#) ()
- void [testByteArrayToString](#) ()
- void [testWriteLine](#) () throws IOException
- void [testReadBlock](#) () throws IOException
- void [testUpdateBlock](#) () throws IOException
- void [testAddSupplier](#) () throws IOException
- void [testAddCustomer](#) () throws IOException
- void [testByteArrayBlockToBook](#) ()
- void [testAddMedicine](#) () throws IOException
- void [testAddBill](#) () throws IOException
- void [testAddSaleMedicine](#) () throws IOException

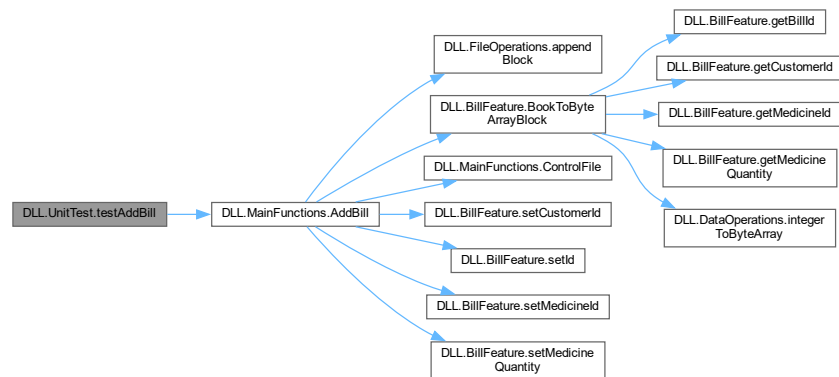
### 5.11.1 Member Function Documentation

### 5.11.1.1 testAddBill()

```
void DLL.UnitTest.testAddBill ( ) throws IOException
```

References [DLL.MainFunctions.AddBill\(\)](#).

Here is the call graph for this function:

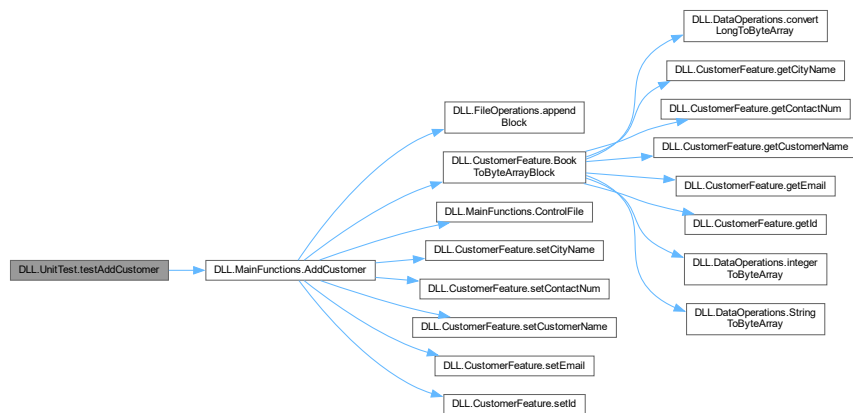


### 5.11.1.2 testAddCustomer()

```
void DLL.UnitTest.testAddCustomer ( ) throws IOException
```

References [DLL.MainFunctions.AddCustomer\(\)](#).

Here is the call graph for this function:

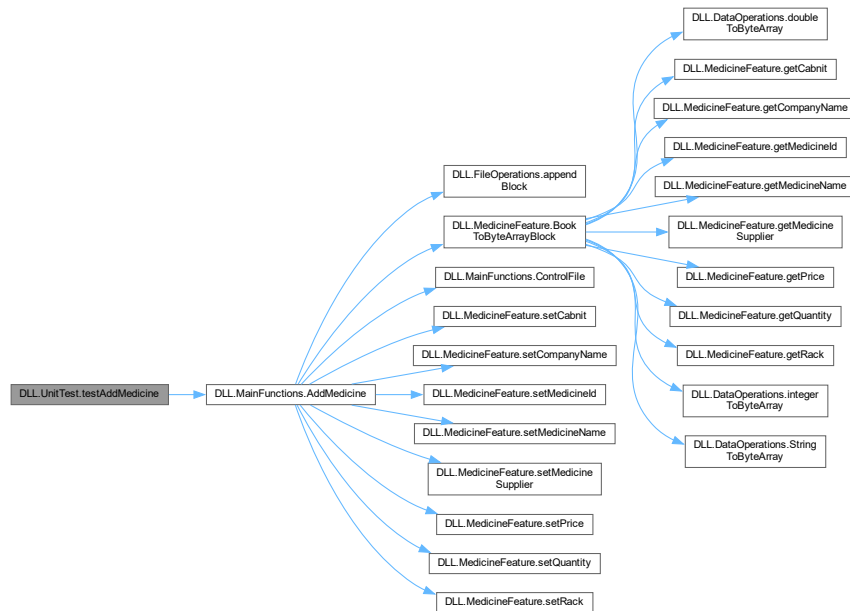


### 5.11.1.3 testAddMedicine()

```
void DLL.UnitTest.testAddMedicine ( ) throws IOException
```

References [DLL.MainFunctions.AddMedicine\(\)](#).

Here is the call graph for this function:



### 5.11.1.4 testAddSaleMedicine()

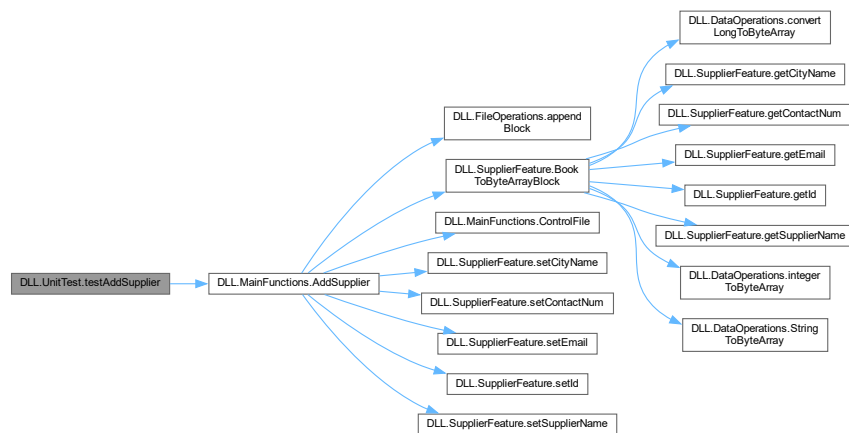
```
void DLL.UnitTest.testAddSaleMedicine ( ) throws IOException
```

### 5.11.1.5 testAddSupplier()

```
void DLL.UnitTest.testAddSupplier ( ) throws IOException
```

References [DLL.MainFunctions.AddSupplier\(\)](#).

Here is the call graph for this function:

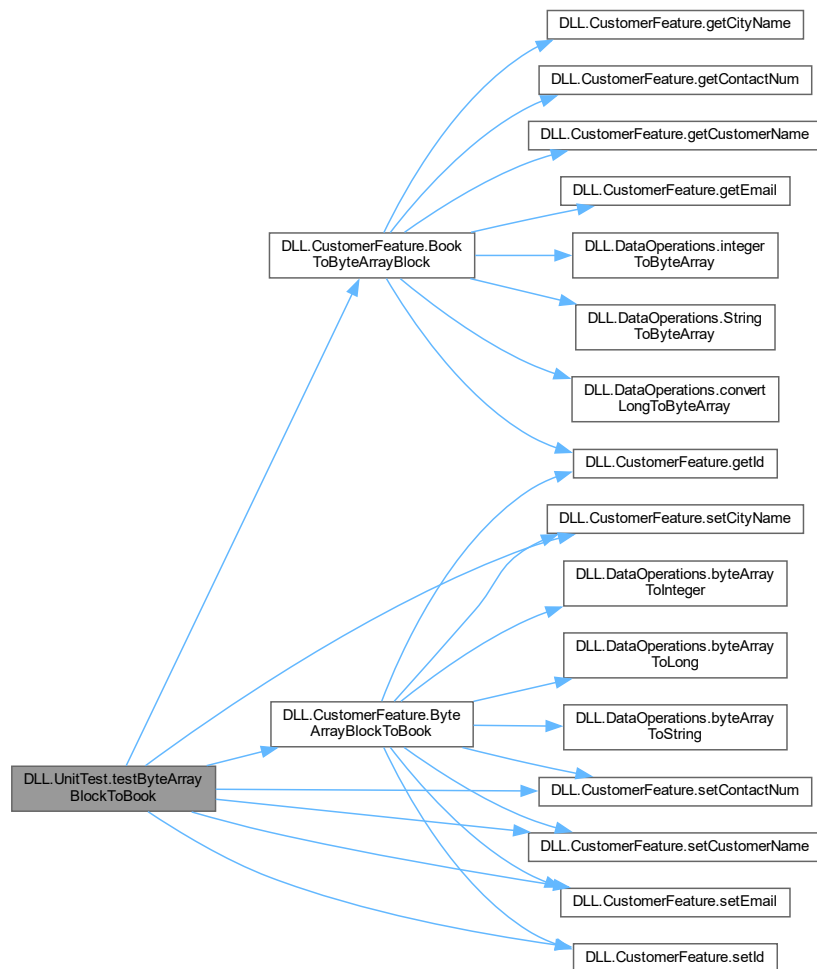


#### 5.11.1.6 testByteArrayBlockToBook()

```
void DLL.UnitTest.testByteArrayBlockToBook ( )
```

References [DLL.CustomerFeature.BookToByteArrayBlock\(\)](#), [DLL.CustomerFeature.ByteArrayBlockToBook\(\)](#), [DLL.CustomerFeature.setCityName\(\)](#), [DLL.CustomerFeature.setContactNum\(\)](#), [DLL.CustomerFeature.setCustomerName\(\)](#), [DLL.CustomerFeature.setEmail\(\)](#), and [DLL.CustomerFeature.setId\(\)](#).

Here is the call graph for this function:



#### 5.11.1.7 testByteArrayToFloat()

```
void DLL.UnitTest.testByteArrayToFloat ( )
```

References [DLL.DataOperations.byteArrayToFloat\(\)](#).

Here is the call graph for this function:



#### 5.11.1.8 testByteArrayToHexString()

```
void DLL.UnitTest.testByteArrayToHexString ( )
```

#### 5.11.1.9 testByteArrayToInteger()

```
void DLL.UnitTest.testByteArrayToInteger ( )
```

References [DLL.DataOperations.byteArrayToInteger\(\)](#).

Here is the call graph for this function:



#### 5.11.1.10 testByteArrayToLong()

```
void DLL.UnitTest.testByteArrayToLong ( )
```

References [DLL.DataOperations.byteArrayToLong\(\)](#).

Here is the call graph for this function:





#### 5.11.1.11 testByteArrayToString()

```
void DLL.UnitTest.testByteArrayToString ( )
```

References [DLL.DataOperations.byteArrayToString\(\)](#).

Here is the call graph for this function:



#### 5.11.1.12 testGetInt()

```
void DLL.UnitTest.testGetInt ( )
```

References [DLL.DataOperations.GetInt\(\)](#).

Here is the call graph for this function:



#### 5.11.1.13 testHexStringToByteArray()

```
void DLL.UnitTest.testHexStringToByteArray ( )
```

References [DLL.DataOperations.ToByte\(\)](#).

Here is the call graph for this function:

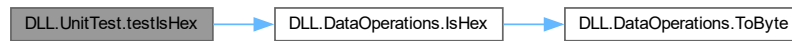


#### 5.11.1.14 testIsHex()

```
void DLL.UnitTest.testIsHex ( )
```

References [DLL.DataOperations.IsHex\(\)](#).

Here is the call graph for this function:



#### 5.11.1.15 testReadBlock()

```
void DLL.UnitTest.testReadBlock ( ) throws IOException
```

References [DLL.FileOperations.readBlock\(\)](#).

Here is the call graph for this function:

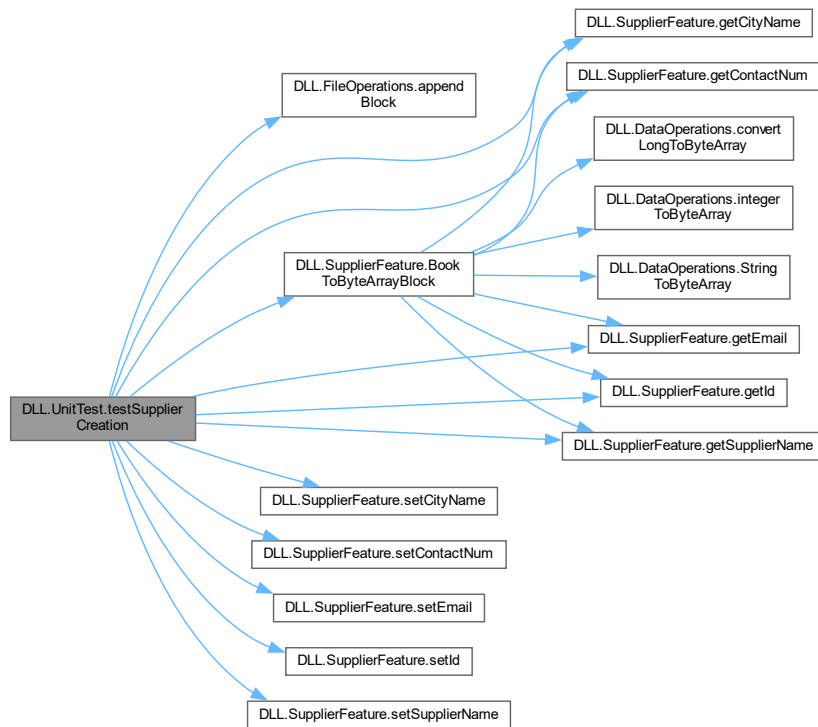


#### 5.11.1.16 testSupplierCreation()

```
void DLL.UnitTest.testSupplierCreation ( ) throws IOException
```

References [DLL.FileOperations.appendBlock\(\)](#), [DLL.SupplierFeature.BookToByteArrayBlock\(\)](#), [DLL.SupplierFeature.getCityName\(\)](#), [DLL.SupplierFeature.getContactNum\(\)](#), [DLL.SupplierFeature.getEmail\(\)](#), [DLL.SupplierFeature.getId\(\)](#), [DLL.SupplierFeature.getSupplierName\(\)](#), [DLL.SupplierFeature.setCityName\(\)](#), [DLL.SupplierFeature.setContactNum\(\)](#), [DLL.SupplierFeature.setEmail\(\)](#), [DLL.SupplierFeature.setId\(\)](#), and [DLL.SupplierFeature.setSupplierName\(\)](#).

Here is the call graph for this function:

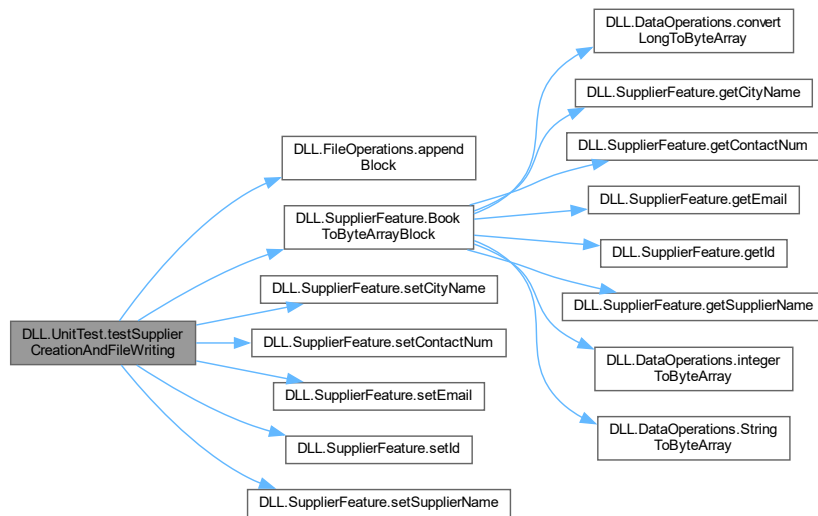


#### 5.11.1.17 testSupplierCreationAndFileWriting()

```
void DLL.UnitTest.testSupplierCreationAndFileWriting ( ) throws IOException
```

References [DLL.FileOperations.appendBlock\(\)](#), [DLL.SupplierFeature.BookToByteArrayBlock\(\)](#), [DLL.SupplierFeature.setCityName\(\)](#), [DLL.SupplierFeature.setContactNum\(\)](#), [DLL.SupplierFeature.setEmail\(\)](#), [DLL.SupplierFeature.setid\(\)](#), and [DLL.SupplierFeature.setSupplierName\(\)](#).

Here is the call graph for this function:



#### 5.11.1.18 testUpdateBlock()

```
void DLL.UnitTest.testUpdateBlock ( ) throws IOException
```

References [DLL.FileOperations.updateBlock\(\)](#).

Here is the call graph for this function:



#### 5.11.1.19 testWriteLine()

```
void DLL.UnitTest.testWriteLine ( ) throws IOException
```

References [DLL.FileOperations.writeLine\(\)](#).

Here is the call graph for this function:



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

- C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/[UnitTest.java](#)



## Chapter 6

# File Documentation

### 6.1 C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-app/src/APP/MainMenu.java File Reference

#### Classes

- class [APP.MainMenu](#)

#### Packages

- package [APP](#)

### 6.2 C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/BillFeature.java File Reference

#### Classes

- class [DLL.BillFeature](#)

#### Packages

- package [DLL](#)

### 6.3 C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/CustomerFeature.java File Reference

#### Classes

- class [DLL.CustomerFeature](#)

## Packages

- package [DLL](#)

## 6.4 C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/DataOperations.java File Reference

### Classes

- class [DLL.DataOperations](#)

## Packages

- package [DLL](#)

## 6.5 C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/FileOperations.java File Reference

### Classes

- class [DLL.FileOperations](#)

## Packages

- package [DLL](#)

## 6.6 C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/MainFunctions.java File Reference

### Classes

- class [DLL.MainFunctions](#)

## Packages

- package [DLL](#)

## 6.7 C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/MedicineFeature.java File Reference

### Classes

- class [DLL.MedicineFeature](#)



## Packages

- package [DLL](#)

## 6.8 C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/MenuDesign.java File Reference

### Classes

- class [DLL.MenuDesign](#)

## Packages

- package [DLL](#)

## 6.9 C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/SaleMedicineFeature.java File Reference

### Classes

- class [DLL.SaleMedicineFeature](#)

## Packages

- package [DLL](#)

## 6.10 C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/SupplierFeature.java File Reference

### Classes

- class [DLL.SupplierFeature](#)

## Packages

- package [DLL](#)

## 6.11 C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/UnitTest.java File Reference

### Classes

- class [DLL.UnitTest](#)

## Packages

- package [DLL](#)



# Index

- [\\_billId](#)
    - [DLL.BillFeature, 14](#)
  - [\\_cabnit](#)
    - [DLL.MedicineFeature, 62](#)
  - [\\_cityName](#)
    - [DLL.CustomerFeature, 24](#)
    - [DLL.SupplierFeature, 81](#)
  - [\\_companyName](#)
    - [DLL.MedicineFeature, 62](#)
  - [\\_contactNum](#)
    - [DLL.CustomerFeature, 24](#)
    - [DLL.SupplierFeature, 81](#)
  - [\\_customerId](#)
    - [DLL.BillFeature, 14](#)
    - [DLL.SaleMedicineFeature, 72](#)
  - [\\_customerName](#)
    - [DLL.CustomerFeature, 24](#)
  - [\\_email](#)
    - [DLL.CustomerFeature, 24](#)
    - [DLL.SupplierFeature, 81](#)
  - [\\_id](#)
    - [DLL.CustomerFeature, 24](#)
    - [DLL.SupplierFeature, 81](#)
  - [\\_medicineId](#)
    - [DLL.BillFeature, 15](#)
    - [DLL.MedicineFeature, 63](#)
    - [DLL.SaleMedicineFeature, 72](#)
  - [\\_medicineName](#)
    - [DLL.MedicineFeature, 63](#)
  - [\\_medicineQuantity](#)
    - [DLL.BillFeature, 15](#)
    - [DLL.SaleMedicineFeature, 72](#)
  - [\\_medicineSupplier](#)
    - [DLL.MedicineFeature, 63](#)
  - [\\_price](#)
    - [DLL.MedicineFeature, 63](#)
  - [\\_quantity](#)
    - [DLL.MedicineFeature, 63](#)
  - [\\_rack](#)
    - [DLL.MedicineFeature, 63](#)
  - [\\_saleDate](#)
    - [DLL.SaleMedicineFeature, 72](#)
  - [\\_supplierName](#)
    - [DLL.SupplierFeature, 82](#)
- [AddBill](#)
  - [DLL.MainFunctions, 36](#)
- [AddCustomer](#)
  - [DLL.MainFunctions, 37](#)
- [AddMedicine](#)

- [DLL.MainFunctions, 38](#)
- [AddSaleMedicine](#)
  - [DLL.MainFunctions, 39](#)
- [AddSupplier](#)
  - [DLL.MainFunctions, 40](#)
- [APP, 7](#)
- [APP.MainMenu, 42](#)
  - [main, 42](#)
  - [option1, 43](#)
  - [option2, 45](#)
  - [option3, 46](#)
  - [option4, 48](#)
  - [option5, 49](#)
  - [option6, 51](#)
- [appendBlock](#)
  - [DLL.FileOperations, 33](#)
- [BILL\\_DATA\\_BLOCK\\_SIZE](#)
  - [DLL.BillFeature, 15](#)
- [BILL\\_ID\\_LENGTH](#)
  - [DLL.BillFeature, 15](#)
- [BookToByteArrayBlock](#)
  - [DLL.BillFeature, 10](#)
  - [DLL.CustomerFeature, 17](#)
  - [DLL.MedicineFeature, 52](#)
  - [DLL.SaleMedicineFeature, 67](#)
  - [DLL.SupplierFeature, 74](#)
- [ByteArrayBlockToBook](#)
  - [DLL.BillFeature, 10](#)
  - [DLL.CustomerFeature, 18](#)
  - [DLL.MedicineFeature, 53](#)
  - [DLL.SaleMedicineFeature, 68](#)
  - [DLL.SupplierFeature, 75](#)
- [byteArrayToDouble](#)
  - [DLL.DataOperations, 26](#)
- [byteArrayToFloat](#)
  - [DLL.DataOperations, 26](#)
- [byteArrayToInteger](#)
  - [DLL.DataOperations, 27](#)
- [byteArrayToLong](#)
  - [DLL.DataOperations, 27](#)
- [byteArrayToString](#)
  - [DLL.DataOperations, 28](#)
- [C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-app/src/APP/MainMenu.java, 95](#)
- [C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/BillFeature.java, 95](#)

- C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/CustomerFeature.java, 95
- C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/DataOperations.java, 96
- C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/FileOperations.java, 96
- C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/MainFunctions.java, 96
- C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/MedicineFeature.java, 96
- C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/MenuDesign.java, 97
- C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/SaleMedicineFeature.java, 97
- C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/SupplierFeature.java, 97
- C:/HW/CE-103-2022-2023-HW4-Eray-Burak-Cakir/ce103-hw4-medicalstore-lib/src/DLL/UnitTest.java, 97
- CABNIT\_NUMBER\_MAX\_LENGTH
  - DLL.MedicineFeature, 64
- CITY\_NAME\_MAX\_LENGTH
  - DLL.CustomerFeature, 25
  - DLL.SupplierFeature, 82
- COMPANY\_NAME\_MAX\_LENGTH
  - DLL.MedicineFeature, 64
- CONTACT\_NUMBER\_MAX\_LENGTH
  - DLL.CustomerFeature, 25
  - DLL.SupplierFeature, 82
- ControlFile
  - DLL.MainFunctions, 41
- convertLongToByteArray
  - DLL.DataOperations, 28
- CUSTOMER\_DATA\_BLOCK\_SIZE
  - DLL.CustomerFeature, 25
- CUSTOMER\_ID\_MAX\_LENGTH
  - DLL.BillFeature, 15
  - DLL.SaleMedicineFeature, 72
- CUSTOMER\_NAME\_MAX\_LENGTH
  - DLL.CustomerFeature, 25
- deleteBlock
  - DLL.FileOperations, 33
- deleteBlock2
  - DLL.FileOperations, 33
- DLL, 7
- DLL.BillFeature, 9
  - \_billId, 14
  - \_customerId, 14
  - \_medicineId, 15
  - \_medicineQuantity, 15
- BILL\_DATA\_BLOCK\_SIZE, 15
- BILL\_ID\_LENGTH, 15
- BookToByteArrayBlock, 10
- ByteArrayBlockToBook, 10
- CUSTOMER\_ID\_MAX\_LENGTH, 15
- getBillId, 11
- getCustomerId, 11
- getMedicineId, 12
- getMedicineQuantity, 12
- MEDICINE\_ID\_LENGTH, 15
- MEDICINE\_QUANTITY\_LENGTH, 16
- setCustomerId, 12
- setId, 13
- setMedicineId, 13
- setMedicineQuantity, 14
- DLL.CustomerFeature, 16
  - \_cityName, 24
  - \_contactNum, 24
  - \_customerName, 24
  - \_email, 24
  - \_id, 24
- BookToByteArrayBlock, 17
- ByteArrayBlockToBook, 18
- CITY\_NAME\_MAX\_LENGTH, 25
- CONTACT\_NUMBER\_MAX\_LENGTH, 25
- CUSTOMER\_DATA\_BLOCK\_SIZE, 25
- CUSTOMER\_NAME\_MAX\_LENGTH, 25
- EMAIL\_MAX\_LENGTH, 25
- getCityName, 19
- getContactNum, 19
- getCustomerName, 20
- getEmail, 20
- getId, 21
- ID\_LENGTH, 25
- setCityName, 21
- setContactNum, 22
- setCustomerName, 22
- setEmail, 23
- setId, 23
- DLL.DataOperations, 26
  - byteArrayToDouble, 26
  - byteArrayToFloat, 26
  - byteArrayToInteger, 27
  - byteArrayToLong, 27
  - byteArrayToString, 28
  - convertLongToByteArray, 28
  - doubleToByteArray, 29
  - floatToByteArray, 29
  - GetInt, 29
  - integerToByteArray, 30
  - IsHex, 30
  - StringToByteArray, 31
  - ToAscii, 31
  - ToByte, 32
  - ToHex, 32
- DLL.FileOperations, 32
  - appendBlock, 33
  - deleteBlock, 33

- deleteBlock2, 33
- readBlock, 34
- updateBlock, 35
- writeLine, 35
- DLL.MainFunctions, 36
  - AddBill, 36
  - AddCustomer, 37
  - AddMedicine, 38
  - AddSaleMedicine, 39
  - AddSupplier, 40
  - ControlFile, 41
- DLL.MedicineFeature, 51
  - \_cabnit, 62
  - \_companyName, 62
  - \_medicineId, 63
  - \_medicineName, 63
  - \_medicineSupplier, 63
  - \_price, 63
  - \_quantity, 63
  - \_rack, 63
  - BookToByteArrayBlock, 52
  - ByteArrayBlockToBook, 53
  - CABNIT\_NUMBER\_MAX\_LENGTH, 64
  - COMPANY\_NAME\_MAX\_LENGTH, 64
  - getCabnit, 55
  - getCompanyName, 55
  - getMedicineId, 55
  - getMedicineName, 56
  - getMedicineSupplier, 56
  - getPrice, 57
  - getQuantity, 57
  - getRack, 58
  - MEDICINE\_DATA\_BLOCK\_SIZE, 64
  - MEDICINE\_ID\_LENGTH, 64
  - MEDICINE\_NAME\_MAX\_LENGTH, 64
  - MEDICINE\_PRICE\_LENGTH, 64
  - MEDICINE\_SUPPLIER\_NAME\_MAX\_LENGTH, 65
  - QUANTITY\_MAX\_LENGTH, 65
  - RACK\_NUMBER\_MAX\_LENGTH, 65
  - setCabnit, 58
  - setCompanyName, 59
  - setMedicineId, 59
  - setMedicineName, 60
  - setMedicineSupplier, 60
  - setPrice, 61
  - setQuantity, 61
  - setRack, 62
- DLL.MenuDesign, 65
  - printMenu, 65
- DLL.SaleMedicineFeature, 66
  - \_customerId, 72
  - \_medicineId, 72
  - \_medicineQuantity, 72
  - \_saleDate, 72
  - BookToByteArrayBlock, 67
  - ByteArrayBlockToBook, 68
  - CUSTOMER\_ID\_MAX\_LENGTH, 72
  - getCustomerId, 69
  - getMedicineId, 69
  - getMedicineQuantity, 69
  - getSaleDate, 70
  - MEDICINE\_ID\_LENGTH, 72
  - MEDICINE\_QUANTITY\_LENGTH, 73
  - SALE\_DATA\_BLOCK\_SIZE, 73
  - SALE\_DATE, 73
  - setCustomerId, 70
  - setMedicineId, 70
  - setMedicineQuantity, 71
  - setSaleDate, 71
- DLL.SupplierFeature, 73
  - \_cityName, 81
  - \_contactNum, 81
  - \_email, 81
  - \_id, 81
  - \_supplierName, 82
  - BookToByteArrayBlock, 74
  - ByteArrayBlockToBook, 75
  - CITY\_NAME\_MAX\_LENGTH, 82
  - CONTACT\_NUMBER\_MAX\_LENGTH, 82
  - EMAIL\_MAX\_LENGTH, 82
  - getCityName, 76
  - getContactNum, 77
  - getEmail, 77
  - getId, 77
  - getSupplierName, 78
  - ID\_LENGTH, 82
  - setCityName, 78
  - setContactNum, 79
  - setEmail, 79
  - setId, 80
  - setSupplierName, 80
  - SUPPLIER\_DATA\_BLOCK\_SIZE, 82
  - SUPPLIER\_NAME\_MAX\_LENGTH, 83
- DLL.UnitTest, 83
  - testAddBill, 83
  - testAddCustomer, 84
  - testAddMedicine, 84
  - testAddSaleMedicine, 85
  - testAddSupplier, 85
  - testByteArrayBlockToBook, 86
  - testByteArrayToFloat, 87
  - testByteArrayToHexString, 87
  - testByteArrayToInteger, 88
  - testByteArrayToLong, 88
  - testByteArrayToString, 88
  - testGetInt, 89
  - testHexStringToByteArray, 89
  - testIsHex, 89
  - testReadBlock, 90
  - testSupplierCreation, 90
  - testSupplierCreationAndFileWriting, 91
  - testUpdateBlock, 92
  - testWriteLine, 92
- doubleToByteArray
  - DLL.DataOperations, 29

- EMAIL\_MAX\_LENGTH
  - DLL.CustomerFeature, [25](#)
  - DLL.SupplierFeature, [82](#)
- floatToByteArray
  - DLL.DataOperations, [29](#)
- getBillId
  - DLL.BillFeature, [11](#)
- getCabnit
  - DLL.MedicineFeature, [55](#)
- getCityName
  - DLL.CustomerFeature, [19](#)
  - DLL.SupplierFeature, [76](#)
- getCompanyName
  - DLL.MedicineFeature, [55](#)
- getContactNum
  - DLL.CustomerFeature, [19](#)
  - DLL.SupplierFeature, [77](#)
- getCustomerId
  - DLL.BillFeature, [11](#)
  - DLL.SaleMedicineFeature, [69](#)
- getCustomerName
  - DLL.CustomerFeature, [20](#)
- getEmail
  - DLL.CustomerFeature, [20](#)
  - DLL.SupplierFeature, [77](#)
- getId
  - DLL.CustomerFeature, [21](#)
  - DLL.SupplierFeature, [77](#)
- GetInt
  - DLL.DataOperations, [29](#)
- getMedicineId
  - DLL.BillFeature, [12](#)
  - DLL.MedicineFeature, [55](#)
  - DLL.SaleMedicineFeature, [69](#)
- getMedicineName
  - DLL.MedicineFeature, [56](#)
- getMedicineQuantity
  - DLL.BillFeature, [12](#)
  - DLL.SaleMedicineFeature, [69](#)
- getMedicineSupplier
  - DLL.MedicineFeature, [56](#)
- getPrice
  - DLL.MedicineFeature, [57](#)
- getQuantity
  - DLL.MedicineFeature, [57](#)
- getRack
  - DLL.MedicineFeature, [58](#)
- getSaleDate
  - DLL.SaleMedicineFeature, [70](#)
- getSupplierName
  - DLL.SupplierFeature, [78](#)
- ID\_LENGTH
  - DLL.CustomerFeature, [25](#)
  - DLL.SupplierFeature, [82](#)
- integerToByteArray
  - DLL.DataOperations, [30](#)
- IsHex
  - DLL.DataOperations, [30](#)
- main
  - APP.MainMenu, [42](#)
- MEDICINE\_DATA\_BLOCK\_SIZE
  - DLL.MedicineFeature, [64](#)
- MEDICINE\_ID\_LENGTH
  - DLL.BillFeature, [15](#)
  - DLL.MedicineFeature, [64](#)
  - DLL.SaleMedicineFeature, [72](#)
- MEDICINE\_NAME\_MAX\_LENGTH
  - DLL.MedicineFeature, [64](#)
- MEDICINE\_PRICE\_LENGTH
  - DLL.MedicineFeature, [64](#)
- MEDICINE\_QUANTITY\_LENGTH
  - DLL.BillFeature, [16](#)
  - DLL.SaleMedicineFeature, [73](#)
- MEDICINE\_SUPPLIER\_NAME\_MAX\_LENGTH
  - DLL.MedicineFeature, [65](#)
- option1
  - APP.MainMenu, [43](#)
- option2
  - APP.MainMenu, [45](#)
- option3
  - APP.MainMenu, [46](#)
- option4
  - APP.MainMenu, [48](#)
- option5
  - APP.MainMenu, [49](#)
- option6
  - APP.MainMenu, [51](#)
- printMenu
  - DLL.MenuDesign, [65](#)
- QUANTITY\_MAX\_LENGTH
  - DLL.MedicineFeature, [65](#)
- RACK\_NUMBER\_MAX\_LENGTH
  - DLL.MedicineFeature, [65](#)
- readBlock
  - DLL.FileOperations, [34](#)
- SALE\_DATA\_BLOCK\_SIZE
  - DLL.SaleMedicineFeature, [73](#)
- SALE\_DATE
  - DLL.SaleMedicineFeature, [73](#)
- setCabnit
  - DLL.MedicineFeature, [58](#)
- setCityName
  - DLL.CustomerFeature, [21](#)
  - DLL.SupplierFeature, [78](#)
- setCompanyName
  - DLL.MedicineFeature, [59](#)
- setContactNum
  - DLL.CustomerFeature, [22](#)
  - DLL.SupplierFeature, [79](#)
- setCustomerId

- DLL.BillFeature, [12](#)
- DLL.SaleMedicineFeature, [70](#)
- setCustomerName
  - DLL.CustomerFeature, [22](#)
- setEmail
  - DLL.CustomerFeature, [23](#)
  - DLL.SupplierFeature, [79](#)
- setId
  - DLL.BillFeature, [13](#)
  - DLL.CustomerFeature, [23](#)
  - DLL.SupplierFeature, [80](#)
- setMedicineId
  - DLL.BillFeature, [13](#)
  - DLL.MedicineFeature, [59](#)
  - DLL.SaleMedicineFeature, [70](#)
- setMedicineName
  - DLL.MedicineFeature, [60](#)
- setMedicineQuantity
  - DLL.BillFeature, [14](#)
  - DLL.SaleMedicineFeature, [71](#)
- setMedicineSupplier
  - DLL.MedicineFeature, [60](#)
- setPrice
  - DLL.MedicineFeature, [61](#)
- setQuantity
  - DLL.MedicineFeature, [61](#)
- setRack
  - DLL.MedicineFeature, [62](#)
- setSaleDate
  - DLL.SaleMedicineFeature, [71](#)
- setSupplierName
  - DLL.SupplierFeature, [80](#)
- StringToByteArray
  - DLL.DataOperations, [31](#)
- SUPPLIER\_DATA\_BLOCK\_SIZE
  - DLL.SupplierFeature, [82](#)
- SUPPLIER\_NAME\_MAX\_LENGTH
  - DLL.SupplierFeature, [83](#)
- testAddBill
  - DLL.UnitTest, [83](#)
- testAddCustomer
  - DLL.UnitTest, [84](#)
- testAddMedicine
  - DLL.UnitTest, [84](#)
- testAddSaleMedicine
  - DLL.UnitTest, [85](#)
- testAddSupplier
  - DLL.UnitTest, [85](#)
- testByteArrayBlockToBook
  - DLL.UnitTest, [86](#)
- testByteArrayToFloat
  - DLL.UnitTest, [87](#)
- testByteArrayToHexString
  - DLL.UnitTest, [87](#)
- testByteArrayToInteger
  - DLL.UnitTest, [88](#)
- testByteArrayToLong
  - DLL.UnitTest, [88](#)
- testByteArrayToString
  - DLL.UnitTest, [88](#)
- testGetInt
  - DLL.UnitTest, [89](#)
- testHexStringToByteArray
  - DLL.UnitTest, [89](#)
- testIsHex
  - DLL.UnitTest, [89](#)
- testReadBlock
  - DLL.UnitTest, [90](#)
- testSupplierCreation
  - DLL.UnitTest, [90](#)
- testSupplierCreationAndFileWriting
  - DLL.UnitTest, [91](#)
- testUpdateBlock
  - DLL.UnitTest, [92](#)
- testWriteLine
  - DLL.UnitTest, [92](#)
- ToAscii
  - DLL.DataOperations, [31](#)
- ToByte
  - DLL.DataOperations, [32](#)
- ToHex
  - DLL.DataOperations, [32](#)
- updateBlock
  - DLL.FileOperations, [35](#)
- writeLine
  - DLL.FileOperations, [35](#)