

Inkostilation Project

Generated by Doxygen 1.8.18

Глава 1

Namespace Index

1.1 Packages

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

WindowsFormsApp1	7
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Глава 2

Hierarchical Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

WindowsFormsApp1.Database	11
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WindowsFormsApp1.ErrorForm	13
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WindowsFormsApp1.HashMap1Dialog	16
WindowsFormsApp1.HashMap2Dialog	16
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WindowsFormsApp1.operationFound	??
WindowsFormsApp1.OperationsOfClient	??
WindowsFormsApp1.OperationsOfMachine	??
WindowsFormsApp1.percentFound	??
WindowsFormsApp1.PercentsOfMachine	??
WindowsFormsApp1.PercentsOfOperation	??
WindowsFormsApp1.Splash	??
WindowsFormsApp1.Tree1Dialog	??
WindowsFormsApp1.Tree2Dialog	??
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WindowsFormsApp1.OddFunction	??
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WinFormsApp1.HashMap< int, WindowsFormsApp1.Machine >	15
WinFormsApp1.ICollection< T >	17
WindowsFormsApp1.RB< T >	??
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WinFormsApp1.ICollection< V >	17
WinFormsApp1.HashMap< K, V >	15
WinFormsApp1.IElement	18
WindowsFormsApp1.Operation	??
WindowsFormsApp1.Percent	??
WinFormsApp1.IKeyedElement< K >	??
WinFormsApp1.IKeyedElement< int >	??

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WindowsFormsApp1.ISorter< T >	??
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WindowsFormsApp1.QuickLastSorter< T >	??
WindowsFormsApp1.QuickStackSorter< T >	??
WindowsFormsApp1.ShellSorter< T >	??
WindowsFormsApp1.ISorter< V >	??
WindowsFormsApp1.RB< T >.Node< T >	??
WindowsFormsApp1.Report< K, V >	??
WindowsFormsApp1.SearchQuery< T >	??
WindowsFormsApp1.SearchQuery< V >	??
WindowsFormsApp1.KeyedSearchQuery< K, V >	??
WindowsFormsApp1.SizeContainer	??
WinFormsApp1.Storage< K, V >	??
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WinFormsApp1.ListStorage< K, V >	??
TextBox	
WindowsFormsApp1.WaterMarkTextBox	??
WinFormsApp1.Tree< WindowsFormsApp1.Operation >	??
WinFormsApp1.Tree< WindowsFormsApp1.Percent >	??

Глава 3

Class Index

3.1 Class List

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

WindowsFormsApp1.BubbleSorter< T >	Реализация сортировки для элементов типа T. Использует алгоритм сортировки пузырьком. Наследуется от ISorter	9
WindowsFormsApp1.Client	Класс, описывающий клиента банковской системы. Наследуется от IKeyedElement<int> . Обладает ключом типа int	10
WindowsFormsApp1.ClientFound	. . . . .	11
WindowsFormsApp1.Database	. . . . .	11
WinFormsApp1.DoubleHashStorage< K, V >>	. . . . .	12
WindowsFormsApp1.ErrorForm	. . . . .	13
WindowsFormsApp1.GUI	. . . . .	14
WinFormsApp1.HashFunction< T >>	. . . . .	15
WinFormsApp1.HashMap< K, V >>	. . . . .	15
WindowsFormsApp1.HashMap1Dialog	. . . . .	16
WindowsFormsApp1.HashMap2Dialog	. . . . .	16
WinFormsApp1.ICollection< T >>	. . . . .	17
WinFormsApp1.IElement	Интерфейс, описывающий данное, хранящееся в базе	18
WinFormsApp1.IKeyedElement< K >	Интерфейс, описывающий элемент, обладающий ключом, используемым для генерации хэш-функции	??
WindowsFormsApp1.ISorter< T >	Интерфейс, описывающий сортировщик элементов типа T	??
WindowsFormsApp1.KeyedSearchQuery< K, V >>	. . . . .	??
WinFormsApp1.ListStorage< K, V >>	. . . . .	??
WindowsFormsApp1.Machine	. . . . .	??
WindowsFormsApp1.MachineFound	. . . . .	??
WindowsFormsApp1.ModFunction	. . . . .	??
WindowsFormsApp1.RB< T >.Node< T >	Object of type Node contains 4 properties Colour Left Right Parent Data	??
WindowsFormsApp1.OddFunction	. . . . .	??
WindowsFormsApp1.Operation	. . . . .	??
WindowsFormsApp1.operationFound	. . . . .	??
WindowsFormsApp1.OperationsOfClient	. . . . .	??
WindowsFormsApp1.OperationsOfMachine	. . . . .	??

WindowsFormsApp1.Percent	??
WindowsFormsApp1.percentFound	??
WindowsFormsApp1.PercentsOfMachine	??
WindowsFormsApp1.PercentsOfOperation	??
WindowsFormsApp1.QuickLastSorter< T >	??
WindowsFormsApp1.QuickStackSorter< T >	??
WindowsFormsApp1.RB< T >	??
WindowsFormsApp1.Report< K, V >	??
WindowsFormsApp1.SearchQuery< T >	??
WindowsFormsApp1.ShellSorter< T >	??
WindowsFormsApp1.SizeContainer	??
WindowsFormsApp1.Splash	??
WinFormsApp1.Storage< K, V >	??
WinFormsApp1.Tree< T >	??
WindowsFormsApp1.Tree1Dialog	??
WindowsFormsApp1.Tree2Dialog	??
WindowsFormsApp1.WaterMarkTextBox	??

Глава 4

Namespace Documentation

4.1 WindowsFormsApp1 Namespace Reference

Classes

- class [BubbleSorter](#)

Реализация сортировки для элементов типа T. Использует алгоритм сортировки пузырьком. Наследуется от [ISorter](#).

- class [Client](#)

Класс, описывающий клиента банковской системы. Наследуется от [IKeyedElement<int>](#). Обладает ключом типа int.

- class [ClientFound](#)
- class [Database](#)
- class [ErrorForm](#)
- class [GUI](#)
- class [HashMap1Dialog](#)
- class [HashMap2Dialog](#)
- interface [ISorter](#)

Интерфейс, описывающий сортировщик элементов типа T.

- class [KeyedSearchQuery](#)
- class [Machine](#)
- class [MachineFound](#)
- class [ModFunction](#)
- class [OddFunction](#)
- class [Operation](#)
- class [operationFound](#)
- class [OperationsOfClient](#)
- class [OperationsOfMachine](#)
- class [Percent](#)
- class [percentFound](#)
- class [PercentsOfMachine](#)
- class [PercentsOfOperation](#)
- class [Program](#)
- class [QuickLastSorter](#)
- class [QuickStackSorter](#)
- class [RB](#)
- class [Report](#)
- class [SearchQuery](#)

- class [ShellSorter](#)
- class [SizeContainer](#)
- class [Splash](#)
- class [Tree1Dialog](#)
- class [Tree2Dialog](#)
- class [WaterMarkTextBox](#)

4.2 WinFormsApp1 Namespace Reference

Classes

- class [DoubleHashStorage](#)
- class [HashFunction](#)
- class [HashMap](#)
- interface [ICollection](#)
- interface [IElement](#)

Интерфейс, описывающий данное, хранящееся в базе.
- interface [IKeyedElement](#)

Интерфейс, описывающий элемент, обладающий ключом, используемым для генерации хэш-функции.
- class [ListStorage](#)
- class [Storage](#)
- class [Tree](#)

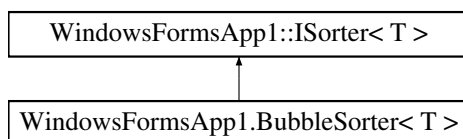
Глава 5

Class Documentation

5.1 WindowsFormsApp1.BubbleSorter< T > Class Template Reference

Реализация сортировки для элементов типа T. Использует алгоритм сортировки пузырьком. Наследуется от [ISorter](#).

Inheritance diagram for WindowsFormsApp1.BubbleSorter< T >:



Public Member Functions

- void [Sort](#) (T[] array)
Метод, совершающий сортировку.

5.1.1 Detailed Description

Реализация сортировки для элементов типа T. Использует алгоритм сортировки пузырьком. Наследуется от [ISorter](#).

Template Parameters

T	Тип сортируемых данных, наследуемая от IElement .
---	---

Type Constraints

T : [IElement](#)

5.1.2 Member Function Documentation

5.1.2.1 Sort()

```
void WindowsFormsApp1.BubbleSorter< T >.Sort (
    T[] array )
```

Метод, совершающий сортировку.

Parameters

array	Сортируемый массив.
-------	---------------------

Implements [WindowsFormsApp1.ISorter](#)< T >.

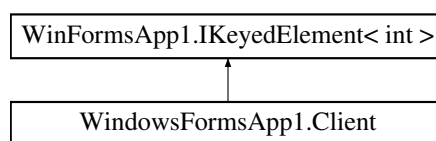
The documentation for this class was generated from the following file:

- BubbleSorter.cs

5.2 WindowsFormsApp1.Client Class Reference

Класс, описывающий клиента банковской системы. Наследуется от [IKeyedElement](#)<int>. Обладает ключом типа int.

Inheritance diagram for WindowsFormsApp1.Client:



Public Member Functions

- Client (int cardNumber, string bankName, string name)
- int GetKey ()
- int Compare ([IElement](#) elem)

Public Attributes

- int CardNumber => _cardNumber
- string BankName => _bankName
- string Name => _name

5.2.1 Detailed Description

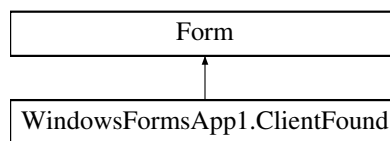
Класс, описывающий клиента банковской системы. Наследуется от [IKeyedElement<int>](#). Обладает ключом типа int.

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

- Client.cs

5.3 WindowsFormsApp1.ClientFound Class Reference

Inheritance diagram for WindowsFormsApp1.ClientFound:



Public Attributes

- `System.Windows.Forms.DataGridView` ClientResults
- `System.Windows.Forms.Label` label1

Protected Member Functions

- override void [Dispose](#) (bool disposing)
Clean up any resources being used.

5.3.1 Member Function Documentation

5.3.1.1 Dispose()

```
override void WindowsFormsApp1.ClientFound.Dispose (  
    bool disposing ) [protected]
```

Clean up any resources being used.

Parameters

disposing	true if managed resources should be disposed; otherwise, false.
-----------	---

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

- ClientFound.cs
- ClientFound.Designer.cs

5.4 WindowsFormsApp1.Database Class Reference

Public Member Functions

- void Save (string filePath)
- string AddClient ([Client](#) client)
- string AddMachine ([Machine](#) machine)
- string AddOperation ([Operation](#) operation)
- string AddPercent ([Percent](#) percent)
- string RemoveClient ([Client](#) client)
- string RemoveMachine ([Machine](#) machine)
- string RemoveOperation ([Operation](#) operation)
- string RemovePercent ([Percent](#) percent)
- [SearchQuery](#)< [Client](#) > FindClient ([Client](#) client)
- [SearchQuery](#)< [Machine](#) > FindMachine ([Machine](#) machine)
- [SearchQuery](#)< [Operation](#) > FindOperation ([Operation](#) operation)
- [SearchQuery](#)< [Percent](#) > FindPercent ([Percent](#) percent)
- [SearchQuery](#)< [Client](#) > FindClient (int cardNumber)
- [SearchQuery](#)< [Machine](#) > FindMachine (int machineNumber)
- [SearchQuery](#)< [Operation](#) > FindOperation (string operationType, int cardNumber, int machine↵
Number)
- [SearchQuery](#)< [Percent](#) > FindPercent (string operationType, string senderBank, string receiver↵
Bank)
- int ClientSize ()
- int MachineSize ()
- int OperationSize ()
- int PercentSize ()
- [Client](#)[] ClientArray ()
- [Machine](#)[] MachineArray ()
- [Operation](#)[] OperationArray ()
- [Percent](#)[] PercentArray ()
- [HashFunction](#)< int > ClientsFunction ()
- [HashFunction](#)< int > MachinesFunction ()
- string Consistence ()
- [Report](#)< [Client](#), [Operation](#) > ClientOperationReport ([Client](#) client)
- [Report](#)< [Machine](#), [Operation](#) > MachineOperationReport ([Machine](#) machine)
- [Report](#)< [Operation](#), [Percent](#) > OperationPercentReport ([Operation](#) operation)
- [Report](#)< [Machine](#), [Percent](#) > MachinePercentReport ([Machine](#) machine)

Static Public Member Functions

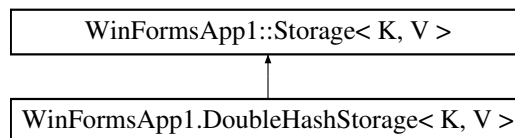
- static [Database](#) GetInstance (string filePath=null)
- static [Database](#) GetNewInstance ()

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

- Database.cs

5.5 WinFormsApp1.DoubleHashStorage< K, V > Class Template Reference

Inheritance diagram for WinFormsApp1.DoubleHashStorage< K, V >:



Public Member Functions

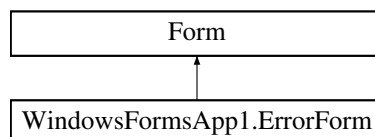
- `DoubleHashStorage (HashFunction< K > mainFunction, HashFunction< K > outsideFunction)`
- `override int GetSize ()`
- `override void Add (int index, V element)`
- `override bool Remove (int index, V element)`
- `override V[] ToArray ()`
- `override void Find (int index, KeyedSearchQuery< K, V > keyedQuery)`

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

- `DoubleHashStorage.cs`

5.6 WindowsFormsApp1.ErrorForm Class Reference

Inheritance diagram for WindowsFormsApp1.ErrorForm:



Public Attributes

- `System.Windows.Forms.Label label1`

Protected Member Functions

- `override void Dispose (bool disposing)`
Clean up any resources being used.

5.6.1 Member Function Documentation

5.6.1.1 Dispose()

`override void WindowsFormsApp1.ErrorForm.Dispose (bool disposing) [protected]`

Clean up any resources being used.

Parameters

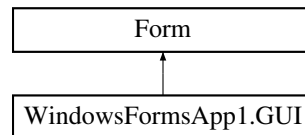
disposing	true if managed resources should be disposed; otherwise, false.
-----------	---

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

- ErrorForm.cs
- ErrorForm.Designer.cs

5.7 WindowsFormsApp1.GUI Class Reference

Inheritance diagram for WindowsFormsApp1.GUI:



Public Attributes

- System.Windows.Forms.ComboBox comboBox1

Static Public Attributes

- static bool stopflag = false
- static Database myDatabase = Database.GetNewInstance()

Protected Member Functions

- override void Dispose (bool disposing)
Освободить все используемые ресурсы.

5.7.1 Member Function Documentation

5.7.1.1 Dispose()

```

override void WindowsFormsApp1.GUI.Dispose (
    bool disposing ) [protected]
  
```

Освободить все используемые ресурсы.

Parameters

disposing	истинно, если управляемый ресурс должен быть удален; иначе ложно.
-----------	---

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

- GUI.cs
- GUI.Designer.cs

5.8 WinFormsApp1.HashFunction< T > Class Template Reference

Public Member Functions

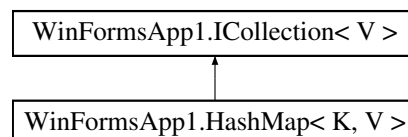
- void SetSize ([SizeContainer](#) size)
- abstract int Hash (T key)

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

- HashFunction.cs

5.9 WinFormsApp1.HashMap< K, V > Class Template Reference

Inheritance diagram for WinFormsApp1.HashMap< K, V >:



Public Member Functions

- HashMap ([HashFunction](#)< K > function, [Storage](#)< K, V > storage)
- V[] ToArray ()
- int Size ()
- void Add (V element)
- bool Remove (V element)
- void Find ([SearchQuery](#)< V > query)

Public Attributes

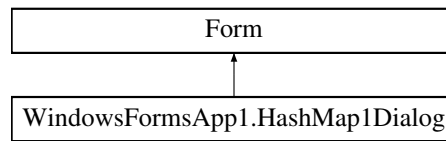
- [HashFunction](#)< K > Function => _function

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

- HashMap.cs

5.10 WindowsFormsApp1.HashMap1Dialog Class Reference

Inheritance diagram for WindowsFormsApp1.HashMap1Dialog:



Public Attributes

- [WaterMarkTextBox](#) waterMarkTextBox1
- [WaterMarkTextBox](#) waterMarkTextBox2
- [WaterMarkTextBox](#) waterMarkTextBox3

Protected Member Functions

- override void [Dispose](#) (bool disposing)
Clean up any resources being used.

5.10.1 Member Function Documentation

5.10.1.1 Dispose()

override void WindowsFormsApp1.HashMap1Dialog.Dispose (
bool disposing) [protected]

Clean up any resources being used.

Parameters

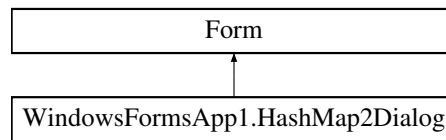
disposing	true if managed resources should be disposed; otherwise, false.
-----------	---

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

- HashMap1Dialog.cs
- HashMap1Dialog.Designer.cs

5.11 WindowsFormsApp1.HashMap2Dialog Class Reference

Inheritance diagram for WindowsFormsApp1.HashMap2Dialog:



Public Attributes

- [WaterMarkTextBox](#) waterMarkTextBox1
- [WaterMarkTextBox](#) waterMarkTextBox2
- [WaterMarkTextBox](#) waterMarkTextBox3

Protected Member Functions

- override void [Dispose](#) (bool disposing)
Clean up any resources being used.

5.11.1 Member Function Documentation

5.11.1.1 Dispose()

override void WindowsFormsApp1.HashMap2Dialog.Dispose (
bool disposing) [protected]

Clean up any resources being used.

Parameters

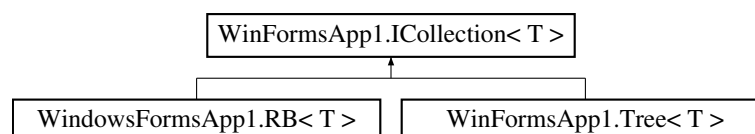
disposing	true if managed resources should be disposed; otherwise, false.
-----------	---

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

- HashMap2Dialog.cs
- HashMap2Dialog.Designer.cs

5.12 WinFormsApp1.ICollection< T > Interface Template Reference

Inheritance diagram for WinFormsApp1.ICollection< T >:



Public Member Functions

- `T[] ToArray ()`
- `int Size ()`
- `void Add (T element)`
- `bool Remove (T element)`
- `void Find (SearchQuery< T > query)`

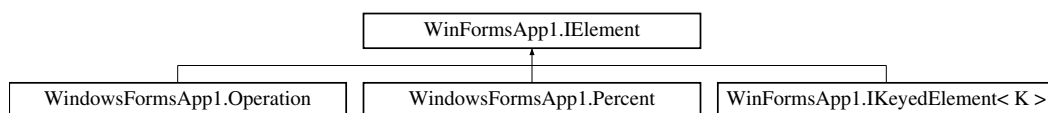
The documentation for this interface was generated from the following file:

- `ICollection.cs`

5.13 WinFormsApp1.IElement Interface Reference

Интерфейс, описывающий данное, хранящееся в базе.

Inheritance diagram for WinFormsApp1.IElement:



Public Member Functions

- `int Compare (IElement elem)`
Метод, производящий сравнение двух элементов, наследуемых от [IElement](#).

5.13.1 Detailed Description

Интерфейс, описывающий данное, хранящееся в базе.

5.13.2 Member Function Documentation

5.13.2.1 Compare()

`int WinFormsApp1.IElement.Compare (`
 [IElement](#) elem)

Метод, производящий сравнение двух элементов, наследуемых от [IElement](#).

Parameters

elem	Элемент, с которым производится сравнение.
------	--

Returns

Отрицательное число, если этот элемент меньше, чем поступающий на вход. Ноль, если элементы равны. Положительное число, если этот элемент больше, чем поступающий на вход.

Implemented in [WindowsFormsApp1.Operation](#), and [WindowsFormsApp1.Percent](#).

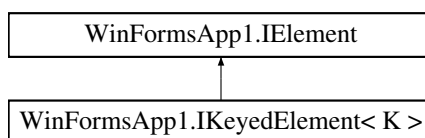
The documentation for this interface was generated from the following file:

- IElement.cs

5.14 WinFormsApp1.IKeyedElement< K > Interface Template Reference

Интерфейс, описывающий элемент, обладающий ключом, используемым для генерации хэш-функции.

Inheritance diagram for WinFormsApp1.IKeyedElement< K >:



Public Member Functions

- K [GetKey](#) ()
Метод, возвращающий ключ данного элемента.

5.14.1 Detailed Description

Интерфейс, описывающий элемент, обладающий ключом, используемым для генерации хэш-функции.

Template Parameters

K	Тип ключа.
---	------------

5.14.2 Member Function Documentation

5.14.2.1 GetKey()

K [WinFormsApp1.IKeyedElement< K >.GetKey](#) ()

Метод, возвращающий ключ данного элемента.

Returns

Ключ типа К.

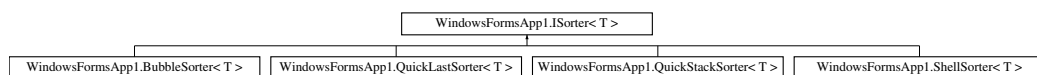
The documentation for this interface was generated from the following file:

- IKeyedElement.cs

5.15 WindowsFormsApp1.ISorter< T > Interface Template Reference

Интерфейс, описывающий сортировщик элементов типа Т.

Inheritance diagram for WindowsFormsApp1.ISorter< T >:



Public Member Functions

- void [Sort](#) (T[] array)
Метод, совершающий сортировку.

5.15.1 Detailed Description

Интерфейс, описывающий сортировщик элементов типа Т.

Template Parameters

T	Тип сортируемых данных, наследуемая от IElement.
---	--

Type Constraints

T : IElement

5.15.2 Member Function Documentation

5.15.2.1 Sort()

void [WindowsFormsApp1.ISorter](#)< T >.Sort (
T[] array)

Метод, совершающий сортировку.

Parameters

array	Сортируемый массив.
-------	---------------------

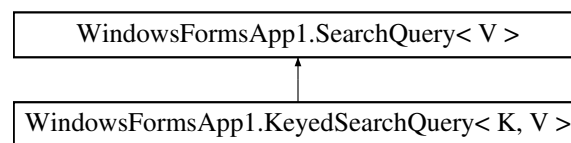
Implemented in [WindowsFormsApp1.BubbleSorter< T >](#), [WindowsFormsApp1.QuickStackSorter< T >](#), [WindowsFormsApp1.QuickLastSorter< T >](#), and [WindowsFormsApp1.ShellSorter< T >](#).

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

- ISorter.cs

5.16 WindowsFormsApp1.KeyedSearchQuery< K, V > Class Template Reference

Inheritance diagram for WindowsFormsApp1.KeyedSearchQuery< K, V >:



Public Member Functions

- KeyedSearchQuery (V request)
- K SearchKey ()

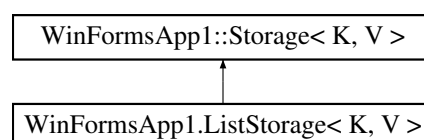
Additional Inherited Members

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

- KeyedSearchQuery.cs

5.17 WinFormsApp1.ListStorage< K, V > Class Template Reference

Inheritance diagram for WinFormsApp1.ListStorage< K, V >:



Public Member Functions

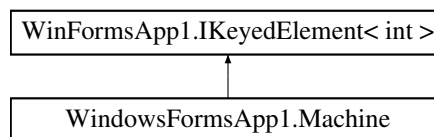
- override int GetSize ()
- override void Add (int index, V element)
- override bool Remove (int index, V element)
- override V[] ToArray ()
- override void Find (int index, [KeyedSearchQuery](#) < K, V > keyedQuery)

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

- ListStorage.cs

5.18 WindowsFormsApp1.Machine Class Reference

Inheritance diagram for WindowsFormsApp1.Machine:



Public Member Functions

- Machine (int machineNumber, string address, string bankName)
- int GetKey ()
- int Compare ([IElement](#) elem)

Public Attributes

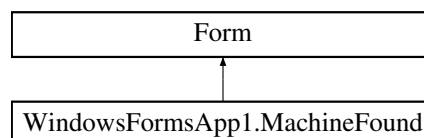
- int MachineNumber => _machineNumber
- string Address => _address
- string BankName => _bankName

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

- Machine.cs

5.19 WindowsFormsApp1.MachineFound Class Reference

Inheritance diagram for WindowsFormsApp1.MachineFound:



Public Attributes

- System.Windows.Forms.DataGridView MachineResults
- System.Windows.Forms.Label label3

Protected Member Functions

- override void [Dispose](#) (bool disposing)
Clean up any resources being used.

5.19.1 Member Function Documentation

5.19.1.1 Dispose()

override void WindowsFormsApp1.MachineFound.Dispose (
bool disposing) [protected]

Clean up any resources being used.

Parameters

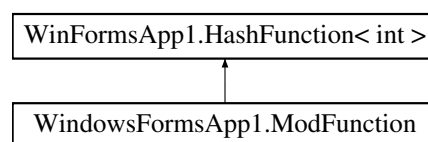
disposing	true if managed resources should be disposed; otherwise, false.
-----------	---

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

- MachineFound.cs
- MachineFound.Designer.cs

5.20 WindowsFormsApp1.ModFunction Class Reference

Inheritance diagram for WindowsFormsApp1.ModFunction:



Public Member Functions

- override int Hash (int key)

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

- ModFunction.cs

5.21 WindowsFormsApp1.RB< T >.Node< T > Class Template Reference

Object of type [Node](#) contains 4 properties Colour Left Right Parent Data

Public Member Functions

- Node (T data)
- Node (Color colour)
- Node (T data, Color colour)

Public Attributes

- Color colour
- [Node](#)< T > left
- [Node](#)< T > right
- [Node](#)< T > parent
- T data

5.21.1 Detailed Description

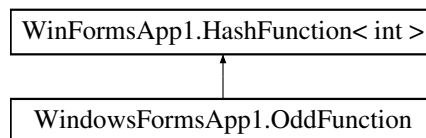
Object of type [Node](#) contains 4 properties Colour Left Right Parent Data

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

- RB.cs

5.22 WindowsFormsApp1.OddFunction Class Reference

Inheritance diagram for WindowsFormsApp1.OddFunction:



Public Member Functions

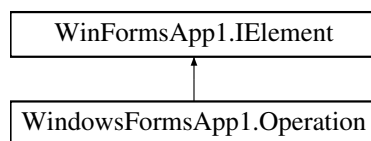
- override int Hash (int key)

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

- OddFunction.cs

5.23 WindowsFormsApp1.Operation Class Reference

Inheritance diagram for WindowsFormsApp1.Operation:



Public Member Functions

- Operation (string operationType, int cardNumber, int machineNumber, int sum)
- int [Compare](#) ([IElement](#) elem)
Метод, производящий сравнение двух элементов, наследуемых от IElement.
- override string ToString ()

Public Attributes

- string OperationType => _operationType
- int CardNumber => _cardNumber
- int MachineNumber => _machineNumber
- int Sum => _sum

5.23.1 Member Function Documentation

5.23.1.1 Compare()

```
int WindowsFormsApp1.Operation.Compare (
    IElement elem )
```

Метод, производящий сравнение двух элементов, наследуемых от IElement.

Parameters

elem	Элемент, с которым производится сравнение.
------	--

Returns

Отрицательное число, если этот элемент меньше, чем поступающий на вход. Ноль, если элементы равны. Положительное число, если этот элемент больше, чем поступающий на вход.

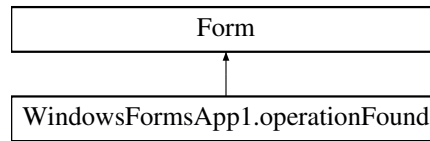
Implements [WinFormsApp1.IElement](#).

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

- Operation.cs

5.24 WindowsFormsApp1.operationFound Class Reference

Inheritance diagram for WindowsFormsApp1.operationFound:



Public Attributes

- System.Windows.Forms.DataGridView operationResults
- System.Windows.Forms.Label label1

Protected Member Functions

- override void [Dispose](#) (bool disposing)
Clean up any resources being used.

5.24.1 Member Function Documentation

5.24.1.1 Dispose()

```
override void WindowsFormsApp1.operationFound.Dispose (
    bool disposing ) [protected]
```

Clean up any resources being used.

Parameters

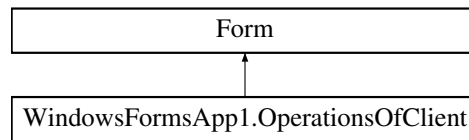
disposing	true if managed resources should be disposed; otherwise, false.
-----------	---

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

- operationFound.cs
- operationFound.Designer.cs

5.25 WindowsFormsApp1.OperationsOfClient Class Reference

Inheritance diagram for WindowsFormsApp1.OperationsOfClient:



Public Attributes

- System.Windows.Forms.DataGridView ClientsKey
- System.Windows.Forms.DataGridView OperationsData

Protected Member Functions

- override void [Dispose](#) (bool disposing)
Clean up any resources being used.

5.25.1 Member Function Documentation

5.25.1.1 Dispose()

override void WindowsFormsApp1.OperationsOfClient.Dispose (
bool disposing) [protected]

Clean up any resources being used.

Parameters

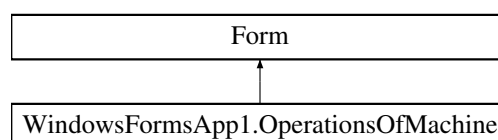
disposing	true if managed resources should be disposed; otherwise, false.
-----------	---

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

- OperationsOfClient.cs
- OperationsOfClient.Designer.cs

5.26 WindowsFormsApp1.OperationsOfMachine Class Reference

Inheritance diagram for WindowsFormsApp1.OperationsOfMachine:



Public Attributes

- `System.Windows.Forms.DataGridView` `MachinesKey`
- `System.Windows.Forms.DataGridView` `OperationsData`

Protected Member Functions

- override void `Dispose` (bool disposing)
Clean up any resources being used.

5.26.1 Member Function Documentation

5.26.1.1 `Dispose()`

override void `WindowsFormsApp1.OperationsOfMachine.Dispose` (
bool disposing) [protected]

Clean up any resources being used.

Parameters

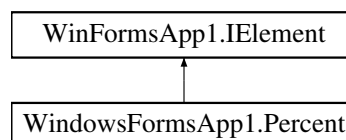
disposing	true if managed resources should be disposed; otherwise, false.
-----------	---

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

- `OperationsOfMachine.cs`
- `OperationsOfMachine.Designer.cs`

5.27 `WindowsFormsApp1.Percent` Class Reference

Inheritance diagram for `WindowsFormsApp1.Percent`:



Public Member Functions

- `Percent` (string operationType, string senderBank, string receiverBank, int percent)
- int `Compare` (`IElement` elem)
Метод, производящий сравнение двух элементов, наследуемых от `IElement`.
- override string `ToString` ()

Public Attributes

- string OperationType => _operationType
- string SenderBank => _senderBank
- string ReceiverBank => _receiverBank
- int Percent1 => _percent

5.27.1 Member Function Documentation

5.27.1.1 Compare()

```
int WindowsFormsApp1.Percent.Compare (
    IElement elem )
```

Метод, производящий сравнение двух элементов, наследуемых от [IElement](#).

Parameters

elem	Элемент, с которым производится сравнение.
------	--

Returns

Отрицательное число, если этот элемент меньше, чем поступающий на вход. Ноль, если элементы равны. Положительное число, если этот элемент больше, чем поступающий на вход.

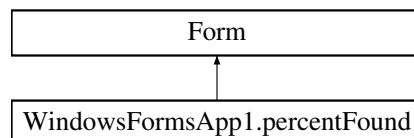
Implements [WinFormsApp1.IElement](#).

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

- Percent.cs

5.28 WindowsFormsApp1.percentFound Class Reference

Inheritance diagram for `WindowsFormsApp1.percentFound`:



Public Attributes

- System.Windows.Forms.DataGridView percentResults
- System.Windows.Forms.Label label3

Protected Member Functions

- override void [Dispose](#) (bool disposing)
Clean up any resources being used.

5.28.1 Member Function Documentation

5.28.1.1 Dispose()

```
override void WindowsFormsApp1.percentFound.Dispose (
    bool disposing ) [protected]
```

Clean up any resources being used.

Parameters

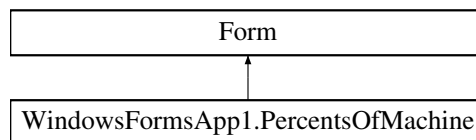
disposing	true if managed resources should be disposed; otherwise, false.
-----------	---

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

- percentFound.cs
- percentFound.Designer.cs

5.29 WindowsFormsApp1.PercentsOfMachine Class Reference

Inheritance diagram for WindowsFormsApp1.PercentsOfMachine:



Public Attributes

- System.Windows.Forms.DataGridView PercentsData
- System.Windows.Forms.DataGridView MachinesKey

Protected Member Functions

- override void [Dispose](#) (bool disposing)
Clean up any resources being used.

5.29.1 Member Function Documentation

5.29.1.1 Dispose()

```
override void WindowsFormsApp1.PercentsOfMachine.Dispose (
    bool disposing ) [protected]
```

Clean up any resources being used.

Parameters

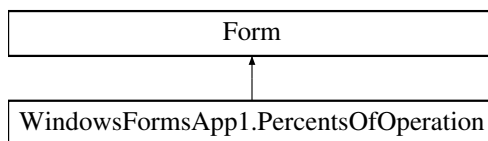
disposing	true if managed resources should be disposed; otherwise, false.
-----------	---

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

- PercentsOfMachine.cs
- PercentsOfMachine.Designer.cs

5.30 WindowsFormsApp1.PercentsOfOperation Class Reference

Inheritance diagram for WindowsFormsApp1.PercentsOfOperation:



Public Attributes

- `System.Windows.Forms.DataGridView` OperationsKey
- `System.Windows.Forms.DataGridView` PercentsData

Protected Member Functions

- override void `Dispose` (bool disposing)
Clean up any resources being used.

5.30.1 Member Function Documentation

5.30.1.1 Dispose()

```
override void WindowsFormsApp1.PercentsOfOperation.Dispose (
    bool disposing ) [protected]
```

Clean up any resources being used.

Parameters

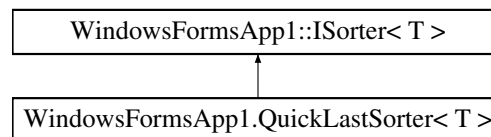
disposing	true if managed resources should be disposed; otherwise, false.
-----------	---

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

- PercentsOfOperation.cs
- PercentsOfOperation.Designer.cs

5.31 WindowsFormsApp1.QuickLastSorter< T > Class Template Reference

Inheritance diagram for WindowsFormsApp1.QuickLastSorter< T >:



Public Member Functions

- void [Sort](#) (T[] array)
Метод, совершающий сортировку.

5.31.1 Member Function Documentation

5.31.1.1 Sort()

void [WindowsFormsApp1.QuickLastSorter< T >.Sort](#) (
T[] array)

Метод, совершающий сортировку.

Parameters

array	Сортируемый массив.
-------	---------------------

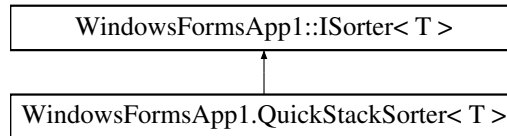
Implements [WindowsFormsApp1.ISorter< T >](#).

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

- QuickLastSorter.cs

5.32 WindowsFormsApp1.QuickStackSorter< T > Class Template Reference

Inheritance diagram for WindowsFormsApp1.QuickStackSorter< T >:



Public Member Functions

- void [Sort](#) (T[] array)
Метод, совершающий сортировку.

5.32.1 Member Function Documentation

5.32.1.1 Sort()

void [WindowsFormsApp1.QuickStackSorter< T >.Sort](#) (
T[] array)

Метод, совершающий сортировку.

Parameters

array	Сортируемый массив.
-------	---------------------

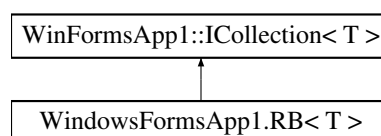
Implements [WindowsFormsApp1.ISorter< T >](#).

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

- QuickStackSorter.cs

5.33 WindowsFormsApp1.RB< T > Class Template Reference

Inheritance diagram for WindowsFormsApp1.RB< T >:



Classes

- class [Node](#)

Object of type [Node](#) contains 4 properties Colour Left Right Parent Data

Public Member Functions

- [RB](#) ()
New instance of a Red-Black tree object
- void [DisplayTree](#) ()
Display Tree
- void [Insert](#) (T item)
Insert a new object into the [RB](#) Tree
- bool [Delete](#) (T key)
Deletes a specified value from the tree
- T[] [ToArray](#) ()
- int [Size](#) ()
- void [Add](#) (T element)
- bool [Remove](#) (T element)
- string [Find](#) (T element)

5.33.1 Constructor & Destructor Documentation

5.33.1.1 RB()

[WindowsFormsApp1.RB](#)< T >.[RB](#) ()

New instance of a Red-Black tree object

5.33.2 Member Function Documentation

5.33.2.1 Delete()

bool [WindowsFormsApp1.RB](#)< T >.[Delete](#) (
T key)

Deletes a specified value from the tree

Parameters

item	
------	--

5.33.2.2 DisplayTree()

```
void WindowsFormsApp1.RB< T >.DisplayTree ( )
```

Display Tree

5.33.2.3 Insert()

```
void WindowsFormsApp1.RB< T >.Insert (
    T item )
```

Insert a new object into the RB Tree

Parameters

item	
------	--

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

- RB.cs

5.34 WindowsFormsApp1.Report< K, V > Class Template Reference

Public Member Functions

- Report (K key, ISorter< V > sorter)
- void Add (V element)
- V[] Data ()
- int DataSize ()

Public Attributes

- K Key => _key

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

- Report.cs

5.35 WindowsFormsApp1.SearchQuery< T > Class Template Reference

Public Member Functions

- SearchQuery (T request)
- int Check (T check)
- void Count ()
- bool Found ()

Public Attributes

- `int Counter => _counter`
- `T Result => _result`

Protected Attributes

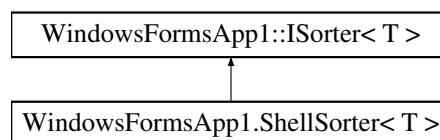
- `T _request`

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

- `SearchQuery.cs`

5.36 WindowsFormsApp1.ShellSorter< T > Class Template Reference

Inheritance diagram for `WindowsFormsApp1.ShellSorter< T >`:



Public Member Functions

- `void Sort (T[] array)`
Метод, совершающий сортировку.

5.36.1 Member Function Documentation

5.36.1.1 `Sort()`

`void WindowsFormsApp1.ShellSorter< T >.Sort (T[] array)`

Метод, совершающий сортировку.

Parameters

<code>array</code>	Сортируемый массив.
--------------------	---------------------

Implements [WindowsFormsApp1.ISorter< T >](#).

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

- ShellSorter.cs

5.37 WindowsFormsApp1.SizeContainer Class Reference

Public Member Functions

- SizeContainer (int size)

Properties

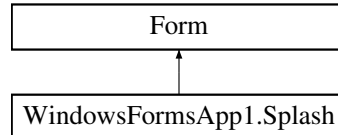
- int Size [get, set]

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

- SizeContainer.cs

5.38 WindowsFormsApp1.Splash Class Reference

Inheritance diagram for WindowsFormsApp1.Splash:



Protected Member Functions

- override void [Dispose](#) (bool disposing)
Clean up any resources being used.

5.38.1 Member Function Documentation

5.38.1.1 Dispose()

```
override void WindowsFormsApp1.Splash.Dispose (  
    bool disposing ) [protected]
```

Clean up any resources being used.

Parameters

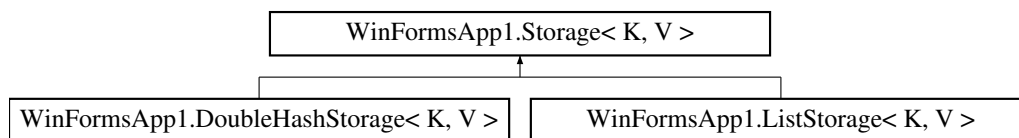
disposing	true if managed resources should be disposed; otherwise, false.
-----------	---

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

- `Splash.cs`
- `Splash.Designer.cs`

5.39 WinFormsApp1.Storage< K, V > Class Template Reference

Inheritance diagram for WinFormsApp1.Storage< K, V >:



Public Member Functions

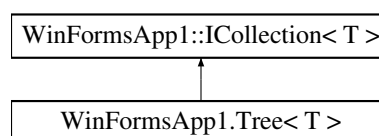
- `Storage (int size)`
- [SizeContainer](#) `SizeContainer ()`
- `abstract int GetSize ()`
- `abstract void Add (int index, V element)`
- `abstract bool Remove (int index, V element)`
- `abstract V[] ToArray ()`
- `abstract void Find (int index, KeyedSearchQuery< K, V > keyedQuery)`

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

- `Storage.cs`

5.40 WinFormsApp1.Tree< T > Class Template Reference

Inheritance diagram for WinFormsApp1.Tree< T >:



Public Member Functions

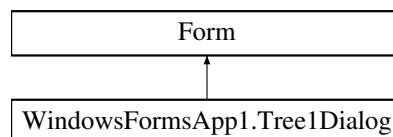
- `T[] ToArray ()`
- `int Size ()`
- `void Add (T element)`
- `bool Remove (T element)`
- `void Find (SearchQuery< T > query)`

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

- `Tree.cs`

5.41 WindowsFormsApp1.Tree1Dialog Class Reference

Inheritance diagram for `WindowsFormsApp1.Tree1Dialog`:



Public Attributes

- [WaterMarkTextBox](#) `waterMarkTextBox1`
- [WaterMarkTextBox](#) `waterMarkTextBox2`
- [WaterMarkTextBox](#) `waterMarkTextBox3`
- [WaterMarkTextBox](#) `waterMarkTextBox4`

Protected Member Functions

- override void [Dispose](#) (bool disposing)
Clean up any resources being used.

5.41.1 Member Function Documentation

5.41.1.1 `Dispose()`

override void `WindowsFormsApp1.Tree1Dialog.Dispose` (
 bool disposing) [protected]

Clean up any resources being used.

Parameters

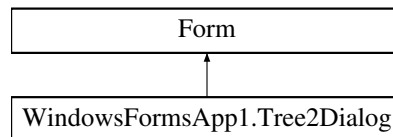
disposing	true if managed resources should be disposed; otherwise, false.
-----------	---

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

- Tree1Dialog.cs
- Tree1Dialog.Designer.cs

5.42 WindowsFormsApp1.Tree2Dialog Class Reference

Inheritance diagram for WindowsFormsApp1.Tree2Dialog:



Public Attributes

- [WaterMarkTextBox](#) waterMarkTextBox1
- [WaterMarkTextBox](#) waterMarkTextBox2
- [WaterMarkTextBox](#) waterMarkTextBox3
- [WaterMarkTextBox](#) waterMarkTextBox4

Protected Member Functions

- override void [Dispose](#) (bool disposing)
Clean up any resources being used.

5.42.1 Member Function Documentation

5.42.1.1 Dispose()

```
override void WindowsFormsApp1.Tree2Dialog.Dispose (
    bool disposing ) [protected]
```

Clean up any resources being used.

Parameters

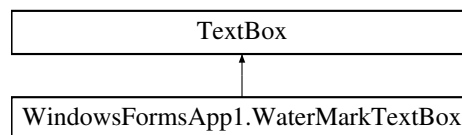
disposing	true if managed resources should be disposed; otherwise, false.
-----------	---

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

- Tree2Dialog.cs
- Tree2Dialog.Designer.cs

5.43 WindowsFormsApp1.WaterMarkTextBox Class Reference

Inheritance diagram for WindowsFormsApp1.WaterMarkTextBox:



Protected Member Functions

- override void OnCreateControl ()
- override void OnPaint (PaintEventArgs args)

Properties

- Color WaterMarkColor [get, set]
- string WaterMarkText [get, set]

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

- WaterMarkTextBox.cs

