

Mufasa

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# Chapter 1

## Namespace Index

### 1.1 Packages

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

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## Chapter 2

# Hierarchical Index

### 2.1 Class Hierarchy

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Mufasa.BackEnd.Designer.Fragment . . . . .	20
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Mufasa.MainWindow . . . . .	22
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## Chapter 3

# Class Index

### 3.1 Class List

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

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<a href="#">About</a> . . . . .	11
<a href="#">Mufasa.App</a>	
Interaction logic for App.xaml . . . . .	12
<a href="#">Mufasa.Pages.Settings.Appearance</a>	
<a href="#">Appearance</a> . . . . .	13
<a href="#">Mufasa.Pages.Settings.AppearanceViewModel</a>	
A simple view model for configuring theme, font and accent colors. Based on Modern UI for WPF.	14
<a href="#">Mufasa.BackEnd.Designer.Construct</a> . . . . .	15
<a href="#">Mufasa.Pages.Design</a>	
<a href="#">Design</a> . . . . .	17
<a href="#">Mufasa.BackEnd.Designer.Designer</a> . . . . .	18
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<a href="#">Mufasa.Pages.SettingsPage</a>	
<a href="#">SettingsPage</a> . . . . .	26



## Chapter 4

# File Index

### 4.1 File List

Here is a list of all files with brief descriptions:

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Mufasa/Mufasa/obj/Debug/App.g.cs	31
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Mufasa/Mufasa/obj/Debug/MainWindow.g.i.cs	31
Mufasa/Mufasa/obj/Debug/Mufasa_Content.g.cs	32
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Mufasa/Mufasa/obj/Debug/TemporaryGeneratedFile_5937a670-0e60-4077-877b-f7221da3dda1.cs	34
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Mufasa/Mufasa/obj/Debug/Pages/Design.g.cs	32
Mufasa/Mufasa/obj/Debug/Pages/Design.g.i.cs	32
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Mufasa/Mufasa/obj/Debug/Pages/SettingsPage.g.cs	34
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Mufasa/Mufasa/Properties/AssemblyInfo.cs	36





## Chapter 5

# Namespace Documentation

### 5.1 Package Mufasa

#### Namespaces

- package [BackEnd](#)
- package [Pages](#)

#### Classes

- class [App](#)  
*Interaction logic for App.xaml*
- class [MainWindow](#)  
*Interaction logic for MainWindow.xaml*

### 5.2 Package Mufasa.BackEnd

#### Namespaces

- package [Designer](#)
- package [Exceptions](#)

### 5.3 Package Mufasa.BackEnd.Designer

#### Classes

- class [Construct](#)
- class [Designer](#)
- class [Fragment](#)

### 5.4 Package Mufasa.BackEnd.Exceptions

#### Classes

- class [FragmentNamingException](#)

- class [SequenceCountException](#)
- class [SequenceLengthException](#)

## 5.5 Package Mufasa.Pages

### Namespaces

- package [Settings](#)

### Classes

- class [Design](#)  
[Design](#)
- class [Reaction](#)  
[Reaction](#)
- class [SettingsPage](#)  
[SettingsPage](#)

## 5.6 Package Mufasa.Pages.Settings

### Classes

- class [About](#)  
[About](#)
- class [Appearance](#)  
[Appearance](#)
- class [AppearanceViewModel](#)

*A simple view model for configuring theme, font and accent colors. Based on Modern UI for WPF.*

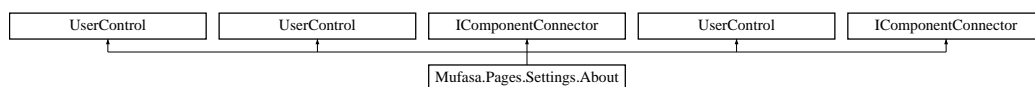
## Chapter 6

# Class Documentation

### 6.1 Mufasa.Pages.Settings.About Class Reference

#### About

Inheritance diagram for Mufasa.Pages.Settings.About:



#### Public Member Functions

- void [InitializeComponent](#) ()  
*InitializeComponent*
- void [InitializeComponent](#) ()  
*InitializeComponent*
- [About](#) ()

#### 6.1.1 Detailed Description

##### About

Interaction logic for About.xaml

Definition at line 40 of file About.g.cs.

#### 6.1.2 Constructor & Destructor Documentation

##### 6.1.2.1 Mufasa.Pages.Settings.About.About ( )

Definition at line 23 of file About.xaml.cs.

#### 6.1.3 Member Function Documentation

##### 6.1.3.1 void Mufasa.Pages.Settings.About.InitializeComponent ( )

InitializeComponent

Definition at line 49 of file About.g.cs.

### 6.1.3.2 void Mufasa.Pages.Settings.About.InitializeComponent ( )

InitializeComponent

Definition at line 49 of file About.g.i.cs.

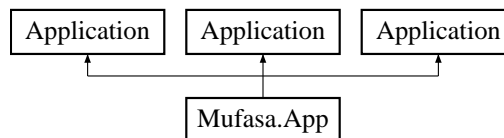
The documentation for this class was generated from the following files:

- Mufasa/Mufasa/obj/Debug/Pages/Settings/[About.g.cs](#)
- Mufasa/Mufasa/obj/Debug/Pages/Settings/[About.g.i.cs](#)
- Mufasa/Mufasa/Pages/Settings/[About.xaml.cs](#)

## 6.2 Mufasa.App Class Reference

Interaction logic for App.xaml

Inheritance diagram for Mufasa.App:



### Public Member Functions

- void [InitializeComponent](#) ()  
*InitializeComponent*
- void [InitializeComponent](#) ()  
*InitializeComponent*

### Static Public Member Functions

- static void [Main](#) ()  
*Application Entry Point.*
- static void [Main](#) ()  
*Application Entry Point.*

### 6.2.1 Detailed Description

Interaction logic for App.xaml

[App](#)

Definition at line 14 of file App.xaml.cs.

### 6.2.2 Member Function Documentation

#### 6.2.2.1 void Mufasa.App.InitializeComponent ( )

InitializeComponent

Definition at line 49 of file App.g.cs.

## 6.2.2.2 void Mufasa.App.InitializeComponent ( )

InitializeComponent

Definition at line 49 of file App.g.i.cs.

## 6.2.2.3 static void Mufasa.App.Main ( ) [static]

Application Entry Point.

Definition at line 75 of file App.g.i.cs.

## 6.2.2.4 static void Mufasa.App.Main ( ) [static]

Application Entry Point.

Definition at line 75 of file App.g.cs.

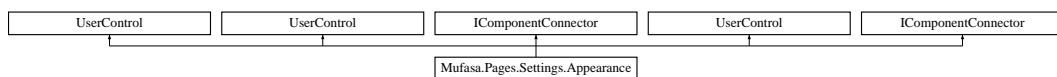
The documentation for this class was generated from the following files:

- Mufasa/Mufasa/[App.xaml.cs](#)
- Mufasa/Mufasa/obj/Debug/[App.g.cs](#)
- Mufasa/Mufasa/obj/Debug/[App.g.i.cs](#)

## 6.3 Mufasa.Pages.Settings.Appearance Class Reference

### Appearance

Inheritance diagram for Mufasa.Pages.Settings.Appearance:



### Public Member Functions

- void [InitializeComponent](#) ()  
*InitializeComponent*
- void [InitializeComponent](#) ()  
*InitializeComponent*
- [Appearance](#) ()

### 6.3.1 Detailed Description

#### Appearance

Interaction logic for Appearance.xaml

Definition at line 40 of file Appearance.g.cs.

### 6.3.2 Constructor & Destructor Documentation

## 6.3.2.1 Mufasa.Pages.Settings.Appearance.Appearance ( )

Definition at line 23 of file Appearance.xaml.cs.

### 6.3.3 Member Function Documentation

#### 6.3.3.1 void Mufasa.Pages.Settings.Appearance.InitializeComponent ( )

InitializeComponent

Definition at line 57 of file Appearance.g.cs.

#### 6.3.3.2 void Mufasa.Pages.Settings.Appearance.InitializeComponent ( )

InitializeComponent

Definition at line 57 of file Appearance.g.i.cs.

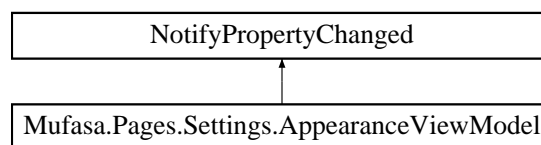
The documentation for this class was generated from the following files:

- [Mufasa/Mufasa/obj/Debug/Pages/Settings/Appearance.g.cs](#)
- [Mufasa/Mufasa/obj/Debug/Pages/Settings/Appearance.g.i.cs](#)
- [Mufasa/Mufasa/Pages/Settings/Appearance.xaml.cs](#)

## 6.4 Mufasa.Pages.Settings.AppearanceViewModel Class Reference

A simple view model for configuring theme, font and accent colors. Based on Modern UI for WPF.

Inheritance diagram for Mufasa.Pages.Settings.AppearanceViewModel:



### Public Member Functions

- [AppearanceViewModel \(\)](#)

### Properties

- LinkCollection [Themes](#) [get]
- string[] [FontSizes](#) [get]
- Color[] [AccentColors](#) [get]
- Link [SelectedTheme](#) [get, set]
- string [SelectedFontSize](#) [get, set]
- Color [SelectedAccentColor](#) [get, set]

#### 6.4.1 Detailed Description

A simple view model for configuring theme, font and accent colors. Based on Modern UI for WPF.

Definition at line 15 of file AppearanceViewModel.cs.

## 6.4.2 Constructor & Destructor Documentation

### 6.4.2.1 Mufasa.Pages.Settings.AppearanceViewModel.AppearanceViewModel ( )

Definition at line 65 of file AppearanceViewModel.cs.

## 6.4.3 Property Documentation

### 6.4.3.1 Color [] Mufasa.Pages.Settings.AppearanceViewModel.AccentColors [get]

Definition at line 106 of file AppearanceViewModel.cs.

### 6.4.3.2 string [] Mufasa.Pages.Settings.AppearanceViewModel.FontSizes [get]

Definition at line 101 of file AppearanceViewModel.cs.

### 6.4.3.3 Color Mufasa.Pages.Settings.AppearanceViewModel.SelectedAccentColor [get], [set]

Definition at line 142 of file AppearanceViewModel.cs.

### 6.4.3.4 string Mufasa.Pages.Settings.AppearanceViewModel.SelectedFontSize [get], [set]

Definition at line 127 of file AppearanceViewModel.cs.

### 6.4.3.5 Link Mufasa.Pages.Settings.AppearanceViewModel.SelectedTheme [get], [set]

Definition at line 111 of file AppearanceViewModel.cs.

### 6.4.3.6 LinkCollection Mufasa.Pages.Settings.AppearanceViewModel.Themes [get]

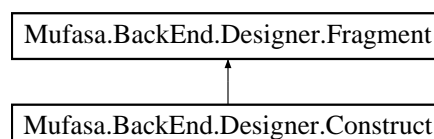
Definition at line 96 of file AppearanceViewModel.cs.

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

- Mufasa/Mufasa/Pages/Settings/[AppearanceViewModel.cs](#)

## 6.5 Mufasa.BackEnd.Designer.Construct Class Reference

Inheritance diagram for Mufasa.BackEnd.Designer.Construct:



## Public Member Functions

- [Construct](#) (String source, String name, ISequence sequence)  
*Construct constructor.*

- [Construct](#) ()  
*Construct constructor.*
- [Construct](#) (ObservableCollection< [Fragment](#) > fragList)  
*Construct constructor.*
- [Construct](#) (ObservableCollection< String > nameList, Dictionary< String, [Fragment](#) > fragDict)  
*Construct constructor.*
- void [SaveAsBio](#) (String path)  
*Save in one of .NET Bio supported formats like fasta or GenBank.*

## Properties

- Dictionary< String, String > [Overlaps](#) [get, set]

### 6.5.1 Detailed Description

Genetic construct class.

Definition at line 15 of file Construct.cs.

### 6.5.2 Constructor & Destructor Documentation

#### 6.5.2.1 Mufasa.BackEnd.Designer.Construct.Construct ( String source, String name, ISequence sequence )

[Construct](#) constructor.

Parameters

<i>source</i>	Filename or URL.
<i>name</i>	<a href="#">Construct</a> name.

Definition at line 23 of file Construct.cs.

#### 6.5.2.2 Mufasa.BackEnd.Designer.Construct.Construct ( )

[Construct](#) constructor.

Definition at line 31 of file Construct.cs.

#### 6.5.2.3 Mufasa.BackEnd.Designer.Construct.Construct ( ObservableCollection< [Fragment](#) > fragList )

[Construct](#) constructor.

Parameters

<i>fragList</i>	<a href="#">Fragment</a> list.
-----------------	--------------------------------

Definition at line 41 of file Construct.cs.

#### 6.5.2.4 Mufasa.BackEnd.Designer.Construct.Construct ( ObservableCollection< String > nameList, Dictionary< String, [Fragment](#) > fragDict )

[Construct](#) constructor.



## Parameters

<i>fragDict</i>	<a href="#">Fragment</a> Dictionary.
<i>nameList</i>	<a href="#">Fragment</a> names. Dictionary keys.

Definition at line 52 of file Construct.cs.

### 6.5.3 Member Function Documentation

#### 6.5.3.1 void Mufasa.BackEnd.Designer.Construct.SaveAsBio ( String *path* )

Save in one of .NET Bio supported formats like fasta or GenBank.

## Parameters

<i>path</i>	Filename.
-------------	-----------

Definition at line 100 of file Construct.cs.

### 6.5.4 Property Documentation

#### 6.5.4.1 Dictionary<String, String> Mufasa.BackEnd.Designer.Construct.Overlaps [get], [set]

Generated overlaps collection.

Definition at line 93 of file Construct.cs.

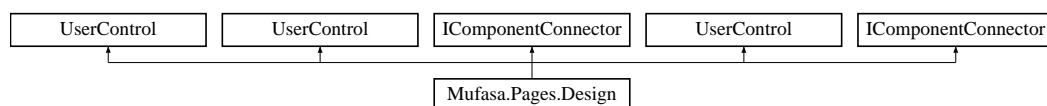
The documentation for this class was generated from the following file:

- Mufasa/Mufasa/BackEnd/Designer/[Construct.cs](#)

## 6.6 Mufasa.Pages.Design Class Reference

### Design

Inheritance diagram for Mufasa.Pages.Design:



### Public Member Functions

- void [InitializeComponent](#) ()  
*InitializeComponent*
- void [InitializeComponent](#) ()  
*InitializeComponent*
- [Design](#) ()

### 6.6.1 Detailed Description

#### Design

Interaction logic for Design.xaml

Definition at line 45 of file Design.g.cs.

## 6.6.2 Constructor & Destructor Documentation

### 6.6.2.1 Mufasa.Pages.Design.Design ( )

Definition at line 32 of file Design.xaml.cs.

## 6.6.3 Member Function Documentation

### 6.6.3.1 void Mufasa.Pages.Design.InitializeComponent ( )

InitializeComponent

Definition at line 166 of file Design.g.cs.

### 6.6.3.2 void Mufasa.Pages.Design.InitializeComponent ( )

InitializeComponent

Definition at line 166 of file Design.g.i.cs.

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

- Mufasa/Mufasa/obj/Debug/Pages/[Design.g.cs](#)
- Mufasa/Mufasa/obj/Debug/Pages/[Design.g.i.cs](#)
- Mufasa/Mufasa/Pages/[Design.xaml.cs](#)

## 6.7 Mufasa.BackEnd.Designer.Designer Class Reference

### Public Member Functions

- [Designer](#) ()  
*Designer constructor.*
- void [AddFragment](#) (String file, String name)  
*Adds [Fragment](#) name if valid.*
- void [AddBrickFromRegistry](#) (String url, String sequenceString, String name)  
*Adds a BioBrick name if valid.*
- void [AddConstructionFragment](#) (String fragmentName)  
*Adds a fragment to construction dictionary.*

### Properties

- Dictionary< String, [Fragment](#) > [FragmentDict](#) [get, set]  
*Dictionary of pooled fragments.*
- ObservableCollection< String > [ConstructionList](#) [get, set]  
*Dictionary of construction fragments.*

### 6.7.1 Detailed Description

[Construct](#) designer class.

Definition at line 20 of file Designer.cs.

## 6.7.2 Constructor & Destructor Documentation

### 6.7.2.1 Mufasa.BackEnd.Designer.Designer.Designer ( )

[Designer](#) constructor.

Definition at line 25 of file Designer.cs.

## 6.7.3 Member Function Documentation

### 6.7.3.1 void Mufasa.BackEnd.Designer.Designer.AddBrickFromRegistry ( String url, String sequenceString, String name )

Adds a BioBrick *name* if valid.

Parameters

<i>url</i>	URL to a BioBrick in .fasta format.
<i>name</i>	BioBrock name.

Definition at line 131 of file Designer.cs.

### 6.7.3.2 void Mufasa.BackEnd.Designer.Designer.AddConstructionFragment ( String fragmentName )

Adds a fragment to construction dictionary.

Parameters

<i>fragment</i>	Name of the fragment to add.
-----------------	------------------------------

Definition at line 154 of file Designer.cs.

### 6.7.3.3 void Mufasa.BackEnd.Designer.Designer.AddFragment ( String file, String name )

Adds [Fragment](#) *name* if valid.

Parameters

<i>file</i>	<a href="#">Fragment</a> filename
<i>name</i>	<a href="#">Fragment</a> name

Definition at line 51 of file Designer.cs.

## 6.7.4 Property Documentation

### 6.7.4.1 ObservableCollection<String> Mufasa.BackEnd.Designer.Designer.ConstructionList [get], [set]

Dictionary of construction fragments.

Definition at line 44 of file Designer.cs.

### 6.7.4.2 Dictionary<String,Fragment> Mufasa.BackEnd.Designer.Designer.FragmentDict [get], [set]

Dictionary of pooled fragments.

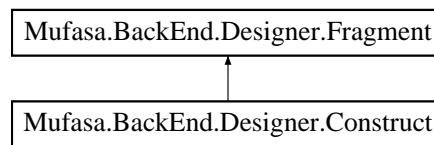
Definition at line 39 of file Designer.cs.

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

- Mufasa/Mufasa/BackEnd/Designer/[Designer.cs](#)

## 6.8 Mufasa.BackEnd.Designer.Fragment Class Reference

Inheritance diagram for Mufasa.BackEnd.Designer.Fragment:



### Public Member Functions

- [Fragment](#) (String source, String name, ISequence sequence)  
*Fragment constructor.*
- [Fragment](#) ()  
*Fragment constructor.*
- string [GetString](#) ()  
*Returns full fragment sequence as a string. Based on .NET Bio Programming Guide.*

### Properties

- String [Source](#) [get, set]
- String [Name](#) [get, set]  
*Name of the fragment.*
- ISequence [Sequence](#) [get, set]  
*Fragment sequence.*

#### 6.8.1 Detailed Description

DNA fragment class.

Definition at line 13 of file Fragment.cs.

#### 6.8.2 Constructor & Destructor Documentation

##### 6.8.2.1 Mufasa.BackEnd.Designer.Fragment.Fragment ( String source, String name, ISequence sequence )

[Fragment](#) constructor.

Parameters

<i>source</i>	Filename or URL.
<i>name</i>	<a href="#">Fragment</a> name.

Definition at line 33 of file Fragment.cs.

##### 6.8.2.2 Mufasa.BackEnd.Designer.Fragment.Fragment ( )

[Fragment](#) constructor.

Definition at line 43 of file Fragment.cs.

### 6.8.3 Member Function Documentation

#### 6.8.3.1 string Mufasa.BackEnd.Designer.Fragment.GetString ( )

Returns full fragment sequence as a string. Based on .NET Bio Programming Guide.

Returns

Definition at line 51 of file Fragment.cs.

### 6.8.4 Property Documentation

#### 6.8.4.1 String Mufasa.BackEnd.Designer.Fragment.Name [get], [set]

Name of the fragment.

Definition at line 22 of file Fragment.cs.

#### 6.8.4.2 ISequence Mufasa.BackEnd.Designer.Fragment.Sequence [get], [set]

[Fragment](#) sequence.

Definition at line 26 of file Fragment.cs.

#### 6.8.4.3 String Mufasa.BackEnd.Designer.Fragment.Source [get], [set]

Path to the file or url containing the fragment.

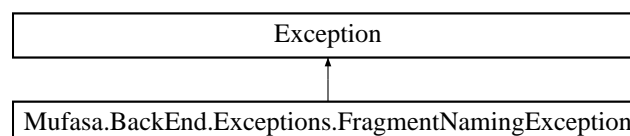
Definition at line 18 of file Fragment.cs.

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

- Mufasa/Mufasa/BackEnd/Designer/[Fragment.cs](#)

## 6.9 Mufasa.BackEnd.Exceptions.FragmentNamingException Class Reference

Inheritance diagram for Mufasa.BackEnd.Exceptions.FragmentNamingException:



### Public Member Functions

- [FragmentNamingException](#) ()  
*FragmentNamingException* constructor.
- [FragmentNamingException](#) (string message)  
*FragmentNamingException* constructor.

### 6.9.1 Detailed Description

Exception thrown if a fragment name is invalid. Backend.Designer.Designer.cs

Definition at line 13 of file FragmentNamingException.cs.

### 6.9.2 Constructor & Destructor Documentation

#### 6.9.2.1 Mufasa.BackEnd.Exceptions.FragmentNamingException.FragmentNamingException ( )

[FragmentNamingException](#) constructor.

Definition at line 18 of file FragmentNamingException.cs.

#### 6.9.2.2 Mufasa.BackEnd.Exceptions.FragmentNamingException.FragmentNamingException ( string message )

[FragmentNamingException](#) constructor.

Parameters

<i>message</i>	Message to send.
----------------	------------------

Definition at line 27 of file FragmentNamingException.cs.

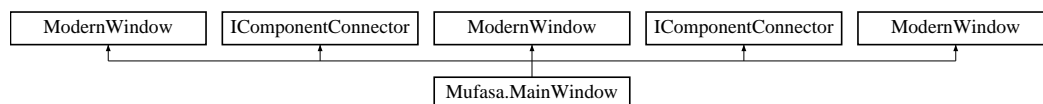
The documentation for this class was generated from the following file:

- Mufasa/Mufasa/BackEnd/Exceptions/[FragmentNamingException.cs](#)

## 6.10 Mufasa.MainWindow Class Reference

Interaction logic for MainWindow.xaml

Inheritance diagram for Mufasa.MainWindow:



### Public Member Functions

- [MainWindow](#) ()
- void [InitializeComponent](#) ()  
*InitializeComponent*
- void [InitializeComponent](#) ()  
*InitializeComponent*

#### 6.10.1 Detailed Description

Interaction logic for MainWindow.xaml

[MainWindow](#)

Definition at line 22 of file MainWindow.xaml.cs.

## 6.10.2 Constructor & Destructor Documentation

### 6.10.2.1 Mufasa.MainWindow.MainWindow ( )

Definition at line 24 of file MainWindow.xaml.cs.

## 6.10.3 Member Function Documentation

### 6.10.3.1 void Mufasa.MainWindow.InitializeComponent ( )

InitializeComponent

Definition at line 54 of file MainWindow.g.cs.

### 6.10.3.2 void Mufasa.MainWindow.InitializeComponent ( )

InitializeComponent

Definition at line 54 of file MainWindow.g.i.cs.

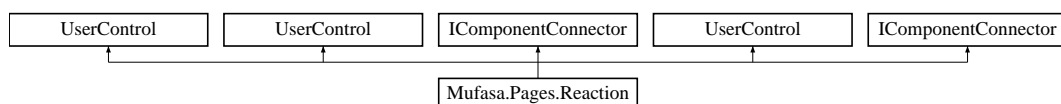
The documentation for this class was generated from the following files:

- Mufasa/Mufasa/[MainWindow.xaml.cs](#)
- Mufasa/Mufasa/obj/Debug/[MainWindow.g.cs](#)
- Mufasa/Mufasa/obj/Debug/[MainWindow.g.i.cs](#)

## 6.11 Mufasa.Pages.Reaction Class Reference

### Reaction

Inheritance diagram for Mufasa.Pages.Reaction:



### Public Member Functions

- void [InitializeComponent](#) ()  
*InitializeComponent*
- void [InitializeComponent](#) ()  
*InitializeComponent*
- [Reaction](#) ()

### 6.11.1 Detailed Description

#### Reaction

Interaction logic for Reaction.xaml

Definition at line 45 of file Reaction.g.cs.

## 6.11.2 Constructor & Destructor Documentation

### 6.11.2.1 Mufasa.Pages.Reaction.Reaction ( )

Definition at line 23 of file Reaction.xaml.cs.

## 6.11.3 Member Function Documentation

### 6.11.3.1 void Mufasa.Pages.Reaction.InitializeComponent ( )

InitializeComponent

Definition at line 54 of file Reaction.g.cs.

### 6.11.3.2 void Mufasa.Pages.Reaction.InitializeComponent ( )

InitializeComponent

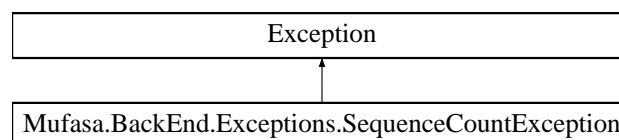
Definition at line 54 of file Reaction.g.i.cs.

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

- Mufasa/Mufasa/obj/Debug/Pages/[Reaction.g.cs](#)
- Mufasa/Mufasa/obj/Debug/Pages/[Reaction.g.i.cs](#)
- Mufasa/Mufasa/Pages/[Reaction.xaml.cs](#)

## 6.12 Mufasa.BackEnd.Exceptions.SequenceCountException Class Reference

Inheritance diagram for Mufasa.BackEnd.Exceptions.SequenceCountException:



### Public Member Functions

- [SequenceCountException \( \)](#)  
*SequenceCountException constructor.*
- [SequenceCountException \(string message\)](#)  
*SequenceCountException constructor.*

### 6.12.1 Detailed Description

Exception thrown if sequence count in a file is invalid. BackEnd.Designer.Designer.cs

Definition at line 13 of file SequenceCountException.cs.



## 6.12.2 Constructor & Destructor Documentation

### 6.12.2.1 Mufasa.BackEnd.Exceptions.SequenceCountException.SequenceCountException ( )

[SequenceCountException](#) constructor.

Definition at line 18 of file SequenceCountException.cs.

### 6.12.2.2 Mufasa.BackEnd.Exceptions.SequenceCountException.SequenceCountException ( string message )

[SequenceCountException](#) constructor.

Parameters

<i>message</i>	Message to send.
----------------	------------------

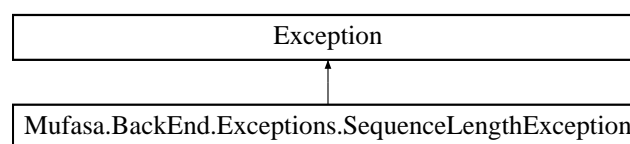
Definition at line 27 of file SequenceCountException.cs.

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

- Mufasa/Mufasa/BackEnd/Exceptions/[SequenceCountException.cs](#)

## 6.13 Mufasa.BackEnd.Exceptions.SequenceLengthException Class Reference

Inheritance diagram for Mufasa.BackEnd.Exceptions.SequenceLengthException:



### Public Member Functions

- [SequenceLengthException](#) ()  
*SequenceLengthException* constructor.
- [SequenceLengthException](#) (string message)  
*SequenceLengthException* constructor.
- [SequenceLengthException](#) (string message, ISequence sequence)  
*SequenceLengthException* constructor.

### Properties

- ISequence [Sequence](#) [get, set]  
*Sequence in question.*

### 6.13.1 Detailed Description

Exception thrown if sequence length in a file is invalid. BackEnd.Designer.Designer.cs

Definition at line 14 of file SequenceLengthException.cs.

## 6.13.2 Constructor & Destructor Documentation

### 6.13.2.1 Mufasa.BackEnd.Exceptions.SequenceLengthException.SequenceLengthException ( )

[SequenceLengthException](#) constructor.

Definition at line 24 of file `SequenceLengthException.cs`.

### 6.13.2.2 Mufasa.BackEnd.Exceptions.SequenceLengthException.SequenceLengthException ( string *message* )

[SequenceLengthException](#) constructor.

Parameters

<i>message</i>	Message to send.
----------------	------------------

Definition at line 34 of file `SequenceLengthException.cs`.

### 6.13.2.3 Mufasa.BackEnd.Exceptions.SequenceLengthException.SequenceLengthException ( string *message*, *ISequence sequence* )

[SequenceLengthException](#) constructor.

Parameters

<i>message</i>	Message to send.
<i>sequence</i>	Sequence in question.

Definition at line 45 of file `SequenceLengthException.cs`.

## 6.13.3 Property Documentation

### 6.13.3.1 *ISequence* Mufasa.BackEnd.Exceptions.SequenceLengthException.Sequence [get], [set]

Sequence in question.

Definition at line 19 of file `SequenceLengthException.cs`.

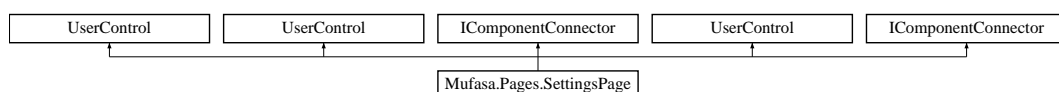
The documentation for this class was generated from the following file:

- [Mufasa/Mufasa/BackEnd/Exceptions/SequenceLengthException.cs](#)

## 6.14 Mufasa.Pages.SettingsPage Class Reference

[SettingsPage](#)

Inheritance diagram for `Mufasa.Pages.SettingsPage`:



## Public Member Functions

- void [InitializeComponent](#) ()  
*InitializeComponent*

- void [InitializeComponent](#) ()  
*InitializeComponent*
- [SettingsPage](#) ()

### 6.14.1 Detailed Description

#### [SettingsPage](#)

Interaction logic for SettingsPage.xaml

Definition at line 45 of file SettingsPage.g.cs.

### 6.14.2 Constructor & Destructor Documentation

#### 6.14.2.1 Mufasa.Pages.SettingsPage.SettingsPage ( )

Definition at line 23 of file SettingsPage.xaml.cs.

### 6.14.3 Member Function Documentation

#### 6.14.3.1 void Mufasa.Pages.SettingsPage.InitializeComponent ( )

InitializeComponent

Definition at line 54 of file SettingsPage.g.cs.

#### 6.14.3.2 void Mufasa.Pages.SettingsPage.InitializeComponent ( )

InitializeComponent

Definition at line 54 of file SettingsPage.g.i.cs.

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

- Mufasa/Mufasa/obj/Debug/Pages/[SettingsPage.g.cs](#)
- Mufasa/Mufasa/obj/Debug/Pages/[SettingsPage.g.i.cs](#)
- Mufasa/Mufasa/Pages/[SettingsPage.xaml.cs](#)



## Chapter 7

# File Documentation

### 7.1 Mufasa/Mufasa/App.xaml.cs File Reference

#### Classes

- class [Mufasa.App](#)  
*Interaction logic for App.xaml*

#### Namespaces

- package [Mufasa](#)

### 7.2 Mufasa/Mufasa/BackEnd/Designer/Construct.cs File Reference

#### Classes

- class [Mufasa.BackEnd.Designer.Construct](#)

#### Namespaces

- package [Mufasa.BackEnd.Designer](#)

### 7.3 Mufasa/Mufasa/BackEnd/Designer/Designer.cs File Reference

#### Classes

- class [Mufasa.BackEnd.Designer.Designer](#)

#### Namespaces

- package [Mufasa.BackEnd.Designer](#)

## 7.4 Mufasa/Mufasa/BackEnd/Designer/Fragment.cs File Reference

### Classes

- class [Mufasa.BackEnd.Designer.Fragment](#)

### Namespaces

- package [Mufasa.BackEnd.Designer](#)

## 7.5 Mufasa/Mufasa/BackEnd/Exceptions/FragmentNamingException.cs File Reference

### Classes

- class [Mufasa.BackEnd.Exceptions.FragmentNamingException](#)

### Namespaces

- package [Mufasa.BackEnd.Exceptions](#)

## 7.6 Mufasa/Mufasa/BackEnd/Exceptions/SequenceCountException.cs File Reference

### Classes

- class [Mufasa.BackEnd.Exceptions.SequenceCountException](#)

### Namespaces

- package [Mufasa.BackEnd.Exceptions](#)

## 7.7 Mufasa/Mufasa/BackEnd/Exceptions/SequenceLengthException.cs File Reference

### Classes

- class [Mufasa.BackEnd.Exceptions.SequenceLengthException](#)

### Namespaces

- package [Mufasa.BackEnd.Exceptions](#)

## 7.8 Mufasa/Mufasa/MainWindow.xaml.cs File Reference

### Classes

- class [Mufasa.MainWindow](#)

*Interaction logic for MainWindow.xaml*

## Namespaces

- package [Mufasa](#)

## 7.9 Mufasa/Mufasa/obj/Debug/App.g.cs File Reference

### Classes

- class [Mufasa.App](#)  
*Interaction logic for App.xaml*

## Namespaces

- package [Mufasa](#)

## 7.10 Mufasa/Mufasa/obj/Debug/App.g.i.cs File Reference

### Classes

- class [Mufasa.App](#)  
*Interaction logic for App.xaml*

## Namespaces

- package [Mufasa](#)

## 7.11 Mufasa/Mufasa/obj/Debug/MainWindow.g.cs File Reference

### Classes

- class [Mufasa.MainWindow](#)  
*Interaction logic for MainWindow.xaml*

## Namespaces

- package [Mufasa](#)

## 7.12 Mufasa/Mufasa/obj/Debug/MainWindow.g.i.cs File Reference

### Classes

- class [Mufasa.MainWindow](#)  
*Interaction logic for MainWindow.xaml*

## Namespaces

- package [Mufasa](#)

### 7.13 Mufasa/Mufasa/obj/Debug/Mufasa\_Content.g.cs File Reference

### 7.14 Mufasa/Mufasa/obj/Debug/Mufasa\_Content.g.i.cs File Reference

### 7.15 Mufasa/Mufasa/obj/Debug/Pages/Design.g.cs File Reference

#### Classes

- class [Mufasa.Pages.Design](#)  
*Design*

#### Namespaces

- package [Mufasa.Pages](#)

### 7.16 Mufasa/Mufasa/obj/Debug/Pages/Design.g.i.cs File Reference

#### Classes

- class [Mufasa.Pages.Design](#)  
*Design*

#### Namespaces

- package [Mufasa.Pages](#)

### 7.17 Mufasa/Mufasa/obj/Debug/Pages/Reaction.g.cs File Reference

#### Classes

- class [Mufasa.Pages.Reaction](#)  
*Reaction*

#### Namespaces

- package [Mufasa.Pages](#)

### 7.18 Mufasa/Mufasa/obj/Debug/Pages/Reaction.g.i.cs File Reference

#### Classes

- class [Mufasa.Pages.Reaction](#)  
*Reaction*

#### Namespaces

- package [Mufasa.Pages](#)



## 7.19 Mufasa/Mufasa/obj/Debug/Pages/Settings/About.g.cs File Reference

### Classes

- class [Mufasa.Pages.Settings>About](#)  
*About*

### Namespaces

- package [Mufasa.Pages.Settings](#)

## 7.20 Mufasa/Mufasa/obj/Debug/Pages/Settings/About.g.i.cs File Reference

### Classes

- class [Mufasa.Pages.Settings>About](#)  
*About*

### Namespaces

- package [Mufasa.Pages.Settings](#)

## 7.21 Mufasa/Mufasa/obj/Debug/Pages/Settings/Appearance.g.cs File Reference

### Classes

- class [Mufasa.Pages.Settings.Appearance](#)  
*Appearance*

### Namespaces

- package [Mufasa.Pages.Settings](#)

## 7.22 Mufasa/Mufasa/obj/Debug/Pages/Settings/Appearance.g.i.cs File Reference

### Classes

- class [Mufasa.Pages.Settings.Appearance](#)  
*Appearance*

### Namespaces

- package [Mufasa.Pages.Settings](#)

## 7.23 Mufasa/Mufasa/obj/Debug/Pages/SettingsPage.g.cs File Reference

### Classes

- class [Mufasa.Pages.SettingsPage](#)  
[SettingsPage](#)

### Namespaces

- package [Mufasa.Pages](#)

## 7.24 Mufasa/Mufasa/obj/Debug/Pages/SettingsPage.g.i.cs File Reference

### Classes

- class [Mufasa.Pages.SettingsPage](#)  
[SettingsPage](#)

### Namespaces

- package [Mufasa.Pages](#)

## 7.25 Mufasa/Mufasa/obj/Debug/TemporaryGeneratedFile\_036C0B5B-1481-4323-8D20-8F5ADCB23D92.cs File Reference

## 7.26 Mufasa/Mufasa/obj/Debug/TemporaryGeneratedFile\_5937a670-0e60-4077-877b-f7221da3dda1.cs File Reference

## 7.27 Mufasa/Mufasa/obj/Debug/TemporaryGeneratedFile\_E7A71F73-0F8D-4B9B-B56E-8E70B10BC5D3.cs File Reference

## 7.28 Mufasa/Mufasa/Pages/Design.xaml.cs File Reference

### Classes

- class [Mufasa.Pages.Design](#)  
[Design](#)

### Namespaces

- package [Mufasa.Pages](#)

## 7.29 Mufasa/Mufasa/Pages/Reaction.xaml.cs File Reference

### Classes

- class [Mufasa.Pages.Reaction](#)  
*Reaction*

### Namespaces

- package [Mufasa.Pages](#)

## 7.30 Mufasa/Mufasa/Pages/Settings/About.xaml.cs File Reference

### Classes

- class [Mufasa.Pages.Settings.About](#)  
*About*

### Namespaces

- package [Mufasa.Pages.Settings](#)

## 7.31 Mufasa/Mufasa/Pages/Settings/Appearance.xaml.cs File Reference

### Classes

- class [Mufasa.Pages.Settings.Appearance](#)  
*Appearance*

### Namespaces

- package [Mufasa.Pages.Settings](#)

## 7.32 Mufasa/Mufasa/Pages/Settings/AppearanceViewModel.cs File Reference

### Classes

- class [Mufasa.Pages.Settings.AppearanceViewModel](#)  
*A simple view model for configuring theme, font and accent colors. Based on Modern UI for WPF.*

### Namespaces

- package [Mufasa.Pages.Settings](#)

### 7.33 Mufasa/Mufasa/Pages/SettingsPage.xaml.cs File Reference

#### Classes

- class [Mufasa.Pages.SettingsPage](#)  
[SettingsPage](#)

#### Namespaces

- package [Mufasa.Pages](#)

### 7.34 Mufasa/Mufasa/Properties/AssemblyInfo.cs File Reference