

System.ApplicationException Class

```
[ILASM]
.class public serializable ApplicationException extends
System.Exception

[C#]
public class ApplicationException: Exception
```

Assembly Info:

- Name: mscorlib
- Public Key: [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00]
- Version: 1.0.x.x
- Attributes:
 - CLSCompliantAttribute(true)

Summary

System.ApplicationException is the base class for all exceptions defined by applications.

Inherits From: System.Exception

Library: BCL

Thread Safety: All public static members of this type are safe for multithreaded operations. No instance members are guaranteed to be thread safe.

Description

This class represents application-defined errors detected during the execution of an application. It is provided as means to differentiate between exceptions defined by applications versus exceptions defined by the system. [Note: For more information on exceptions defined by the system, see **System.SystemException**.]

[Note: **System.ApplicationException** does not provide information as to the cause of the exception. In most scenarios, instances of this class should not be thrown. In cases where this class is instantiated, a human-readable message describing the error should be passed to the constructor.]

1 ApplicationException() Constructor

```
2 [ILASM]  
3 public rtspecialname specialname instance void .ctor()  
4 [C#]  
5 public ApplicationException()
```

6 Summary

7 Constructs and initializes a new instance of the
8 **System.ApplicationException** class.

9 Description

10 This constructor initializes the
11 **System.ApplicationException.Message** property of the new
12 instance to a system-supplied message that describes the error, such
13 as "An application error has occurred." This message takes into
14 account the current system culture.

15
16 The **System.ApplicationException.InnerException** property is
17 initialized to **null**.

18

ApplicationException(System.String)

Constructor

```
[ILASM]
public rtspecialname specialname instance void .ctor(string
message)

[C#]
public ApplicationException(string message)
```

Summary

Constructs and initializes a new instance of the **System.ApplicationException** class.

Parameters

Parameter	Description
<i>message</i>	A System.String that describes the error. The content of <i>message</i> is intended to be understood by humans. The caller of this constructor is required to ensure that this string has been localized for the current system culture.

Description

This constructor initializes the **System.ApplicationException.Message** property of the new instance using *message*. If *message* is **null**, the **System.ApplicationException.Message** property is initialized to the system-supplied message provided by the constructor that takes no arguments. The **System.ApplicationException.InnerException** property is initialized to **null**.

ApplicationException(System.String, System.Exception) Constructor

```
[ILASM]
public rtspecialname specialname instance void .ctor(string
message, class System.Exception innerException)

[C#]
public ApplicationException(string message, Exception
innerException)
```

Summary

Constructs and initializes a new instance of the **System.ApplicationException** class.

Parameters

Parameter	Description
<i>message</i>	A System.String that describes the error. The content of <i>message</i> is intended to be understood by humans. The caller of this constructor is required to ensure that this string has been localized for the current system culture.
<i>innerException</i>	An instance of System.Exception that is the cause of the current Exception. If <i>innerException</i> is non-null, then the current Exception was raised in a catch block handling <i>innerException</i> .

Description

This constructor initializes the **System.ApplicationException.Message** property of the new instance using *message*, and the **System.ApplicationException.InnerException** property using *innerException*. If *message* is **null**, the **System.ApplicationException.Message** property is initialized to the system-supplied message provided by the constructor that takes no arguments.

[Note: For information on inner exceptions, see **System.Exception.InnerException**.]