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 00]
- *Version:* 2.0.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 a means of differentiating between exceptions defined by applications and 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.]

ApplicationException() Constructor

```
[ILAsm]
public rtspecialname specialname instance void .ctor()

[C#]
public ApplicationException()
```

Summary

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

Description

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

The `System.ApplicationException.InnerException` property is initialized to `null`.

1 ApplicationException(System.String)
2 Constructor

```
3  [ILAsm]
4  public rtspecialname specialname instance void .ctor(string message)

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

7 Summary

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

9 Parameters

Parameter	Description
message	A `System.String` that describes the error. The content of *message* 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.

10

11 Description

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

17

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
message	A `System.String` that describes the error. The content of *message* 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.
innerException	An instance of `System.Exception` that is the cause of the current Exception. If *innerException* is non-null, then the current Exception was raised in a catch block handling *innerException*.

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`.]