

# 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

# 1 ApplicationException(System.String)

## 2 Constructor

```
3 [ILASM]  
4 public rtspecialname specialname instance void .ctor(string  
5 message)  
  
6 [C#]  
7 public ApplicationException(string message)
```

### 8 Summary

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

### 11 Parameters

12  
13

Parameter	Description
<i>message</i>	A <b>System.String</b> 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.

14

### 15 Description

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

23

# 1 ApplicationException(System.String, 2 System.Exception) Constructor

```
3 [ILASM]  
4 public rtspecialname specialname instance void .ctor(string  
5 message, class System.Exception innerException)  
  
6 [C#]  
7 public ApplicationException(string message, Exception  
8 innerException)
```

## 9 Summary

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

## 12 Parameters

13  
14

Parameter	Description
<i>message</i>	A <b>System.String</b> 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 <b>System.Exception</b> 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> .

15

## 16 Description

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

25

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

28