

1 System.SystemException Class

```
2 [ILAsm]  
3 .class public serializable SystemException extends System.Exception  
4 [C#]  
5 public class SystemException: Exception
```

6 Assembly Info:

- 7 • *Name:* mscorlib
- 8 • *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00]
- 9 • *Version:* 2.0.x.x
- 10 • *Attributes:*
 - 11 ○ CLSCompliantAttribute(true)

12 Summary

13 System.SystemException is the base class for all exceptions defined by the system.

14 Inherits From: System.Exception

15

16 **Library:** BCL

17

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

20

21 Description

22 This class is provided as a means to differentiate between exceptions defined by the
23 system versus exceptions defined by applications. [*Note:* For more information on
24 exceptions defined by applications, see System.ApplicationException.]

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

32

33

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1 SystemException() Constructor

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

6 Summary

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

8 Description

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

12
13 The `System.SystemException.InnerException` property is initialized to `null`.

14

1 SystemException(System.String) Constructor

```
2 [ILAsm]  
3 public rtspecialname specialname instance void .ctor(string message)  
4 [C#]  
5 public SystemException(string message)
```

6 Summary

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

8 Parameters

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

9

10 Description

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

16

1 SystemException(System.String, 2 System.Exception) Constructor

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

8 Summary

9 Constructs and initializes a new instance of the System.SystemException class.

10 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> .

11 12 Description

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

18
19 [Note: For information on inner exceptions, see System.Exception.InnerException.]
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