

Answer on Question # 43813, Programming, C#

Task: Which class of the .NET Framework should Hayley use to enable Sharon to view the file extension of the stock details file? Describe any four properties of the selected class.

Answer:

To do this Hayley should use "FileInfo" class from the "System.IO" namespace. It contains useful property "Extension" that returns string value with the file extension. To use this property Hayley must follow the next steps:

- Create an object of the "FileInfo" class:

```
System.IO.FileInfo object_name = new System.IO.FileInfo(string file_path);
```

- Use "Extension" property: *object_name.Extension*. Extension that will return the extension of the file that was declared in the previous step.

Properties of "FileInfo" class:

<u>Attributes</u>	Gets or sets the attributes for the current file or directory. (Inherited from <u>FileSystemInfo</u> .)
<u>CreationTime</u>	Gets or sets the creation time of the current file or directory. (Inherited from <u>FileSystemInfo</u> .)
<u>CreationTimeUtc</u>	Gets or sets the creation time, in coordinated universal time (UTC), of the current file or directory. (Inherited from <u>FileSystemInfo</u> .)
<u>Directory</u>	Gets an instance of the parent directory.
<u>DirectoryName</u>	Gets a string representing the directory's full path.
<u>Exists</u>	Gets a value indicating whether a file exists. (Overrides <u>FileSystemInfo.Exists</u> .)
<u>Extension</u>	Gets the string representing the extension part of the file. (Inherited from <u>FileSystemInfo</u> .)

<u>FullName</u>	Gets the full path of the directory or file. (Inherited from <u>FileSystemInfo</u> .)
<u>IsReadOnly</u>	Gets or sets a value that determines if the current file is read only.
<u>LastAccessTime</u>	Gets or sets the time the current file or directory was last accessed. (Inherited from <u>FileSystemInfo</u> .)
<u>LastAccessTimeUtc</u>	Gets or sets the time, in coordinated universal time (UTC), that the current file or directory was last accessed. (Inherited from <u>FileSystemInfo</u> .)
<u>LastWriteTime</u>	Gets or sets the time when the current file or directory was last written to. (Inherited from <u>FileSystemInfo</u> .)
<u>LastWriteTimeUtc</u>	Gets or sets the time, in coordinated universal time (UTC), when the current file or directory was last written to. (Inherited from <u>FileSystemInfo</u> .)
<u>Length</u>	Gets the size, in bytes, of the current file.
<u>Name</u>	Gets the name of the file. (Overrides <u>FileSystemInfo.Name</u> .)