

```
using System;
using System.Collections.Generic;
using System.IO;
using System.Xml.Linq;
using Newtonsoft.Json;
```

```
namespace homework
```

```
{
```

```
    public class Document
```

```
    {
```

```
        public string Title { get; set; }
```

```
        public string Text { get; set; }
```

```
    }
```

```
    class Program
```

```
    {
```

```
        static void Main(string[] args)
```

```
        {
```

```
            var sourceFileName = Path.Combine(Environment.CurrentDirectory, "..\\..\\..\\Source Files\\Document1.xml");
```

```
            var targetFileName = Path.Combine(Environment.CurrentDirectory, "..\\..\\..\\Target Files\\Document1.json");
```

```
            try
```

```
            {
```

```
                FileStream sourceStream = File.Open(sourceFileName, FileMode.Open);
```

```
                var reader = new StreamReader(sourceStream);
```

```
                string input = reader.ReadToEnd();
```

```
            }
```

```
            catch (Exception ex)
```

```
            {
```

```
                throw new Exception(ex.Message);
```

```
            }
```

```
            var xdoc = XDocument.Parse(input);
```

```
            var doc = new Document
```

```
            {
```

```
                Title = xdoc.Root.Element("title").Value,
```

```
                Text = xdoc.Root.Element("text").Value
```

```
            };
```

```
            var serializedDoc = JsonConvert.SerializeObject(doc);
```

```
            var targetStream = File.Open(targetFileName, FileMode.Create, FileAccess.Write);
```

```
            var sw = new StreamWriter(targetStream);
```

```
            sw.Write(serializedDoc);
```

```
        }
```

```
    }
```

```
}
```

CurrentDirectory s kombinaciou ..\\..\\ je nestastne riesenie. Napevno definuje kde maju byt ulozene subory casto to bude padat pri nedodrzani hierchie.

Stream [sourceStream, reader, targetStream, sw]

sa musi ukoncit/dispoznut bud pouzijeme using alebo try catch finally s Dispose

Input je localna v Try bloku a v raidku kde sa chce pouzit Xdocument.Parse() je neznama premena.

Nepocita s moznostou ze by existoval targetFileName
FileMode.OpenOrCreate