# sonar

# Document Comparison by Aspose.Words for .NET

## .NET

## 1.0

*2015-03-25*

# Table of contents

# 1. Document Comparison by Aspose.Words for .NET

This chapter presents an overview of the project measures. This dashboard shows the most important measures related to project quality, and it provides a good starting point for identifying problems in source code.

## 1.1. Report Overview

## Static Analysis

| **Lines of code** | **Comments** | **Complexity** |
|---|---|---|
| 2,499 ⬆ | 24.0% | 6.0 |
| N/A packages | 790 comment lines | 41.2 /class |
| 12 classes | | 494 decision points |
| 82 methods | | |
| 0.0% duplicated lines | | |

## Dynamic Analysis

| **Code Coverage** | **Test Success** |
|---|---|
| N/A | N/A |
| N/A tests | N/A failures |
| | N/A errors |

## Coding Rules Issues

| **Technical Debt** | **Issues** |
|---|---|
| 8d 3h ⬇ | 181 ⬇ |

## 1.2. Issues Analysis

| Most violated rules | |
|---|---|
| Comment should not include code | 26 |
| Method name should comply with a naming convention | 48 |
| Control structures should always use curly braces | 37 |
| Parameter variable should not be assigned to | 17 |
| Method complexity should not be too high | 16 |

### Most violated files

| DiffMatchPatch.cs | 102 |
|---|---|
| Default.aspx.cs | 30 |
| DocumentComparisonUtil.cs | 23 |
| FileSystemItem.cs | 13 |
| Common.cs | 9 |

### Most complex files

| DiffMatchPatch.cs | 389 |
|---|---|
| Default.aspx.cs | 43 |
| DocumentComparisonUtil.cs | 26 |
| FileSystemItem.cs | 24 |
| Common.cs | 10 |

### Most duplicated files

| No duplications |
|---|

## 1.3. Issues Details

| Rule | Comment should not include code |
|---|---|
| File | Line |
| document:comparison:DocumentComparison:Common.cs | 63, 68 |
| document:comparison:DocumentComparison:Default.aspx.cs | 133, 108, 137, 139, 191 |
| document:comparison:DocumentComparison:DiffMatchPatch.cs | 911, 6, 1830, 1718, 1716, 1722, 54 |
| document:comparison:DocumentComparison:DocumentComparisonUtil.cs | 75, 291, 282, 139, 178, 162 |

| Rule | Method name should comply with a naming convention |
|---|---|
| File | Line |
| document:comparison:DocumentComparison:Default.aspx.cs | 143, 30, 111 |

| document:comparison:DocumentComparison:DiffMatchPatch.cs | 2222, 1188, 704, 2053, 354, 785, 1827, 2355, 2072, 744, 268, 1953, 680, 297, 1620, 1693, 254 |
|---|---|

| Rule | Control structures should always use curly braces | |
|---|---|---|
| **File** | | **Line** |
| document:comparison:DocumentComparison:Common.cs | | 28, 24, 51, 48, 45, 30 |
| document:comparison:DocumentComparison:Default.aspx.cs | | 64, 167, 67, 292, 88, 80, 287, 196, 90, 158, 77, 102, 40 |
| document:comparison:DocumentComparison:DocumentComparisonUtil.cs | | 228 |

| Rule | Parameter variable should not be assigned to | |
|---|---|---|
| **File** | | **Line** |
| document:comparison:DocumentComparison:Default.aspx.cs | | 78, 81 |
| document:comparison:DocumentComparison:DiffMatchPatch.cs | | 318, 821, 825, 2230, 438, 2297, 2324, 1795, 323, 317, 2329, 439, 324, 2233, 2344 |

| Rule | Method complexity should not be too high | |
|---|---|---|
| **File** | | **Line** |
| document:comparison:DocumentComparison:Default.aspx.cs | | 143 |
| document:comparison:DocumentComparison:DiffMatchPatch.cs | | 354, 504, 2425, 2222, 868, 1102, 2567, 1188, 970, 1350, 2102, 1249, 808, 1827 |
| document:comparison:DocumentComparison:FileSystemItem.cs | | 44 |

| Rule | 'switch' statement should have a 'default:' case | |
|---|---|---|
| **File** | | **Line** |
| document:comparison:DocumentComparison:DiffMatchPatch.cs | | 459, 1560, 1661, 1362, 2127, 188, 1627 |

| document:comparison:DocumentComparison:DocumentComparisonUtil.cs | 131 |

| Rule | 'break' should not be used outside of 'switch' | |
|---|---|---|
| File | | Line |
| document:comparison:DocumentComparison:DiffMatchPatch.cs | | 1534, 1930, 1938, 537, 2658 |
| document:comparison:DocumentComparison:DocumentComparisonUtil.cs | | 44, 293, 286 |

| Rule | Literal boolean values should not be used in condition expressions | |
|---|---|---|
| File | | Line |
| document:comparison:DocumentComparison:Common.cs | | 66 |
| document:comparison:DocumentComparison:Default.aspx.cs | | 188, 287, 153, 177, 292, 102 |

| Rule | Assignment should not be used inside sub-expressions | |
|---|---|---|
| File | | Line |
| document:comparison:DocumentComparison:DiffMatchPatch.cs | | 1331, 937, 1284, 2449, 1320 |

| Rule | Methods should not be empty | |
|---|---|---|
| File | | Line |
| document:comparison:DocumentComparison:Global.asax.cs | | 12 |
| document:comparison:DocumentComparison:Site.Master.cs | | 12 |

# 2. DocumentComparison

## 2.1. Report Overview

### Static Analysis

**Lines of code**

**2,499**   ⬆

N/A packages
12 classes
82 methods
0.0% duplicated lines

**Comments**

**24.0%**

790 comment lines

**Complexity**

**6.0**

41.2 /class
494 decision points

### Dynamic Analysis

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**N/A**

N/A tests

**Test Success**

**N/A**

N/A failures
N/A errors

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**Technical Debt**

**8d 3h**   ⬇

**Issues**

**181**   ⬇

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