

# IDEAL - Allegato 2 Test Plan v2 post CR1 (Test Case Specification)

Corso di Ingegneria Gestione ed Evoluzione del Software  
Descrizione del Progetto - IDEAL

Domenico Antonio Gioia  
d.gioia7@studenti.unisa.it  
Matricola: 0522501518

Giovanni Scorziello  
g.scorziello5@studenti.unisa.it  
Matricola: 0522501701

Antonio Scognamiglio  
a.scognamiglio32@studenti.unisa.it  
Matricola: 0522501496

[Link Repository GitHub](#)

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## Package common

Test Case ID	TC-CMM-1.1	Test Frame	CS1, CN1
Type	integration ▾		
Parametro		Valore	
section		“general”	
name		“name”	
Oracolo			
return value = “ProjectSunshine”			

Test Case ID	TC-CMM-1.2	Test Frame	CS2,CN1
Type	integration ▾		
Parametro		Valore	
section		"not existing section"	
name		"name"	
Oracolo			
verrà inserito nel log il messaggio "Config setting not existing sectionname not available."			

Test Case ID	TC-CMM-1.3	Test Frame	CS1,CN2
Type	integration ▾		
Parametro		Valore	
section		“general”	
name		"not existing param"	
Oracolo			
verrà inserito nel log il messaggio “Config setting generalnot existing param not available.”			

Test Case ID	TC-CMM-2	Test Frame	C1
Tipo	unit ▾		
Parametro		Valore	
file_path		"file/myfile.java"	
Oracolo			
return value = "myfile.java"			

Test Case ID	TC-CMM-3	Test Frame	C1
Tipo	unit ▾		
Parametro		Valore	
l		List l = [1, [2, 3, 4], 5, 6]	
Oracolo			
List l = [1, 5, 6]			

Test Case ID	TC-CMM-4.1	Test Frame	C1
Tipo	integration ▾		
Parametro		Valore	
path_string		"tests/test_files/input_test.csv"	
Oracolo			
list length = 1			

Test Case ID	TC-CMM-4.2	Test Frame	C2
Tipo	integration ▾		
Parametro		Valore	
path_string		"tests/test_files/input_test.csv"	
Oracolo			
Il programma verrà fermato stampando a video l'errore "[Main] Critical: Input CSV file cannot be empty:"			

Test Case ID	TC-CMM-4.3	Test Frame	C3
Tipo	integration ▾		
Parametro		Valore	
path_string		"tests/test_files/input_test.csv"	
Oracolo			
Il programma verrà fermato stampando a video l'errore "[Main] Critical: Input CSV file cannot be empty[Main] Critical: Invalid files provided in input CSV file:"			

Test Case ID	TC-CMM-4.4	Test Frame	C4
Tipo	integration ▾		
Parametro		Valore	
path_string		""	
Oracolo			
La funzione provoca un'eccezione di tipo FileNotFoundError			

Test Case ID	TC-CMM-5.1	Test Frame	C1,VALS3,VALE1,TP1
Tipo	unit ▾		
Parametro		Valore	
module		test_module	
message		test_message	
severity		ErrorSeverity.Critical	
exit_system		True	
exception		Exception('test_exception')	
Oracolo			
1. La funzione <i>logger.critical</i> è invocata con parametro (“[test_module] Critical: test_message. Exception: test_exception. Stacktrace: NoneType: None”) 2. La funzione <i>sys.exit</i> è invocata			

Test Case ID	TC-CMM-5.2	Test Frame	C1, VALS1, VALE2, TP1
Tipo	unit ▾		
Parametro		Valore	
module		test_module	
message		test_message	
severity		ErrorSeverity.Warning	
exit_system		False	
exception		Exception('test_exception')	
Oracolo			
<div>1. La funzione <i>logger.critical</i> è invocata con parametro (“[test_module] Warning: test_message. Exception: test_exception. Stacktrace: NoneType: None”)</div> <div>2. La funzione <i>sys.exit</i> non è invocata</div>			

Test Case ID	TC-CMM-5.3	Test Frame	C1, VALS2, VALE2, TP2
Tipo	unit ▾		
Parametro		Valore	
module		test_module	
message		test_message	
severity		ErrorSeverity.Error	
exit_system		False	
exception		None	
Oracolo			
<div>1. La funzione <i>logger.critical</i> è invocata con parametro ("[test_module] Error: test_message. Exception: None. Stacktrace: NoneType: None")</div> <div>2. La funzione <i>sys.exit</i> non è invocata</div>			

Test Case ID	TC-CMM-6.1	Test Frame	C1
Tipo	unit ▾		
Parametro		Valore	
entity_class		Istanza di <i>src.model.identifier.Class</i> che contiene 2 attributi con nomi “attr1” e “attr2”	
Oracolo			
[ ‘attr1’ , ‘attr2’ ]			

Test Case ID	TC-CMM-7.1	Test Frame	C1
Tipo	unit ▾		
Parametro		Valore	
entity_class		Istanza di <i>src.model.identifier.Class</i> che contiene: n.2 attributi di istanza n.1 metodo composto da: n.2 parametri n.2 variabili	
Oracolo			
array.length = 8			

Test Case ID	TC-CMM-8.1	Test Frame	C1
Tipo	unit ▾		
Parametro		Valore	
entity_class		Istanza di <i>src.model.identifier.Class</i> che contiene: n.2 attributi di istanza n.1 metodo composto da: n.2 parametri n.2 variabili	
Oracolo			
array.length = 6			

Test Case ID	TC-CMM-9.1	Test Frame	TE1, CI1
Tipo	unit ▾		
Parametro		Valore	
entity		<Entity file_type='Test' language='Java'>	
identifier		<Method annotations=['Test']>	
Oracolo			
True			

Test Case ID	TC-CMM-9.2	Test Frame	TE2, CI1
Tipo	unit ▾		
Parametro		Valore	
entity		<Entity file_type='NonTest' language='Java'>	
identifier		<Method annotations=['Test']>	
Oracolo			
False			

Test Case ID	TC-CMM-9.3	Test Frame	TE1, CI2
Tipo	unit ▾		
Parametro		Valore	
entity		<Entity file_type='Test'>	
identifier		<Method annotations=[""]>	
Oracolo			
False			

Test Case ID	TC-CMM-9.4	Test Frame	TE1, CI3
Tipo	unit ▾		
Parametro		Valore	
entity		<Entity file_type='Test' language='Java'>	
identifier		<Attribute>	
Oracolo			
False			

Test Case ID	TC-CMM-10.1	Test Frame	CE1, CI1
Tipo	unit ▾		
Parametro		Valore	
entity		<Entity language='Java'>	
identifier		<Method return_type='boolean'>	
Oracolo			
True			

Test Case ID	TC-CMM-10.2	Test Frame	CE1, CI2
Tipo	unit ▾		
Parametro		Valore	
entity		<Entity language='Java'>	
identifier		<Method return_type="">	
Oracolo			
False			



Test Case ID	TC-CMM-10.3	Test Frame	CE2, CI1
Tipo	unit ▾		
Parametro		Valore	
entity		<Entity language='CSharp'>	
identifier		<Method return_type='bool'>	
Oracolo			
True			

Test Case ID	TC-CMM-10.4	Test Frame	CE2, CI2
Tipo	unit ▾		
Parametro		Valore	
entity		<Entity language='CSharp'>	
identifier		<Method return_type="">	
Oracolo			
False			

Test Case ID	TC-CMM-10.5	Test Frame	CE2, CI3
Tipo	unit ▾		
Parametro		Valore	
entity		<Entity language='CSharp'>	
identifier		<Attribute>	
Oracolo			
False			

Test Case ID	TC-CMM-11.1	Test Frame	C1, UNIQUE1
Tipo	integration ▾		
Parametro		Valore	
project		<Project >	
language		LanguageType.Java	
Oracolo			
['Test']			

Test Case ID	TC-CMM-11.2	Test Frame	C2, UNIQUE1
Tipo	integration ▾		
Parametro		Valore	
project		<Project >	
language		LanguageType.Java	
Oracolo			
['Test', 'UnitTest', 'IntegrationTest', 'SystemTest']			

Test Case ID	TC-CMM-11.3	Test Frame	C1, UNIQUE2
Tipo	integration ▾		
Parametro		Valore	
project		<Project >	
language		LanguageType.CSharp	
Oracolo			
['TestMethod', 'Test', 'TestCase' 'Fact', 'Theory']			

Test Case ID	TC-CMM-11.4	Test Frame	C3, UNIQUE2
Tipo	integration ▾		
Parametro		Valore	
project		<Project >	
language		LanguageType.CSharp	
Oracolo			
['TestMethod', 'Test', 'TestCase' 'Fact', 'Theory', 'UnitTest', 'IntegrationTest', 'SystemTest']			

Test Case ID	TC-CMM-11.5	Test Frame	C1, UNIQUE3/UNIQUE4
Tipo	integration ▾		
Parametro		Valore	
project		<Project >	
language		LanguageType.Unknown	
Oracolo			
None			

Test Case ID	TC-CMM-12.1	Test Frame	C1, UNIQUE1
Tipo	integration ▾		
Parametro		Valore	
project		<Project >	
language		LanguageType.Java	
Oracolo			
[ 'junit.framework.Test', 'junit.framework.TestCase', 'org.junit.Test', 'android.test.AndroidTestCase', 'android.test.InstrumentationTestCase', 'android.test.ActivityInstrumentationTestCase2', 'org.junit.Assert', 'org.junit.jupiter.api.Test', 'org.junit.rules.TestRule', 'org.junit.runner.Description', 'org.junit.runners.model.Statement', 'org.junit.jupiter.api.BeforeEach', 'org.mockito.Mockito', 'org.assertj.core.api.Assertions.assertThat' ]			

Test Case ID	TC-CMM-12.2	Test Frame	C2, UNIQUE1
Tipo	integration ▾		
Parametro		Valore	
project		<Project >	
language		LanguageType.Java	
Oracolo			
[ 'junit.framework.Test', 'junit.framework.TestCase', 'org.junit.Test', 'android.test.AndroidTestCase', 'android.test.InstrumentationTestCase', 'android.test.ActivityInstrumentationTestCase2', 'org.junit.Assert', 'org.junit.jupiter.api.Test', 'org.junit.rules.TestRule', 'org.junit.runner.Description', 'org.junit.runners.model.Statement', 'org.junit.jupiter.api.BeforeEach', 'org.mockito.Mockito', 'org.assertj.core.api.Assertions.assertThat', 'Serenity', 'TestNG', 'JBehave' ]			

Test Case ID	TC-CMM-12.3	Test Frame	C1, UNIQUE2
Tipo	integration ▾		
Parametro		Valore	
project		<Project >	
language		LanguageType.CSharp	
Oracolo			
[ 'Microsoft.VisualStudio.TestTools.UnitTesting', 'Microsoft.VisualStudio.TestTools.UnitTesting.Framework', 'NUnit.Tests', 'NUnit.Framework', 'Xunit', 'Xunit.Abstractions' ]			

Test Case ID	TC-CMM-12.4	Test Frame	C3, UNIQUE2
Tipo	integration ▾		
Parametro		Valore	
project		<Project >	
language		LanguageType.CSharp	
Oracolo			
[ 'Microsoft.VisualStudio.TestTools.UnitTesting', 'Microsoft.VisualStudio.TestTools.UnitTesting.Framework', 'NUnit.Tests', 'NUnit.Framework', 'Xunit', 'Xunit.Abstractions', 'MSTest', 'MbUnit' ]			

Test Case ID	TC-CMM-12.5	Test Frame	C1, UNIQUE3/UNIQUE4
Tipo	integration ▾		
Parametro		Valore	
project		<Project >	
language		LanguageType.Unknown	
Oracolo			
None			

Test Case ID	TC-CMM-13.1	Test Frame	C1, UNIQUE1
Tipo	integration ▾		
Parametro		Valore	
project		<Project >	
language		LanguageType.Java	
Oracolo			
[ 'assertNotNull', 'assertNull' ]			

Test Case ID	TC-CMM-13.2	Test Frame	C2, UNIQUE1
Tipo	integration ▾		
Parametro		Valore	
project		<Project >	
language		LanguageType.CSharp	
Oracolo			
[ 'assertNotNull', 'assertNull', 'assertEmpty', 'isNull' ]			

Test Case ID	TC-CMM-13.3	Test Frame	C1, UNIQUE2
Tipo	integration ▾		
Parametro		Valore	
project		<Project >	
language		LanguageType.Java	
Oracolo			
[ 'IsNull', 'NotNull' ]			

Test Case ID	TC-CMM-13.4	Test Frame	C3, UNIQUE2
Tipo	integration ▾		
Parametro		Valore	
project		<Project >	
language		LanguageType.CSharp	
Oracolo			
[ 'IsNull', 'NotNull', 'isEmpty', 'assertNull' ]			

Test Case ID	TC-CMM-13.5	Test Frame	C1, UNIQUE3/UNIQUE4
Tipo	integration ▾		
Parametro		Valore	
project		<Project >	
language		LanguageType.Unknown	
Oracolo			
None			



Test Case ID	TC-CMM-14.1	Test Frame	C1, UNIQUE1
Tipo	integration ▾		
Parametro		Valore	
project		<Project >	
language		LanguageType.Java	
Oracolo			
<div>[ 'ArrayBlockingQueue', 'ArrayDeque', 'ArrayList', 'BlockingDeque', 'BlockingQueue', 'Collection', 'ConcurrentHashMap', 'ConcurrentMap', 'ConcurrentNavigableMap', 'ConcurrentSkipListMap', 'ConcurrentSkipListSet', 'CopyOnWriteArrayList', 'CopyOnWriteArraySet', 'DelayQueue', 'Deque', 'HashMap', 'HashSet', 'Hashtable', 'Iterator ', 'LinkedBlockingDeque', 'LinkedBlockingQueue', 'LinkedHashMap', 'LinkedHashSet', 'LinkedList', 'LinkedTransferQueue', 'List', 'ListIterator', 'Map', 'NavigableMap', 'NavigableSet', 'PriorityBlockingQueue', 'PriorityQueue', 'Queue', 'Set', 'SortedMap', 'SortedSet', 'SynchronousQueue', 'TransferQueue', 'TreeMap',</div>			

'TreeSet', 'Vector', 'BitSet' ]
--

Test Case ID	TC-CMM-14.2	Test Frame	C2, UNIQUE1
Tipo	integration ▾		
Parametro		Valore	
project		<Project >	
language		LanguageType.Java	
Oracolo			
[ 'ArrayBlockingQueue', 'ArrayDeque', 'ArrayList', 'BlockingDeque', 'BlockingQueue', 'Collection', 'ConcurrentHashMap', 'ConcurrentMap', 'ConcurrentNavigableMap', 'ConcurrentSkipListMap', 'ConcurrentSkipListSet', 'CopyOnWriteArrayList', 'CopyOnWriteArraySet', 'DelayQueue', 'Deque', 'HashMap', 'HashSet', 'Hashtable', 'Iterator ', 'LinkedBlockingDeque', 'LinkedBlockingQueue', 'LinkedHashMap', 'LinkedHashSet', 'LinkedList', 'LinkedTransferQueue', 'List', 'ListIterator', 'Map', 'NavigableMap', 'NavigableSet', 'PriorityBlockingQueue', 'PriorityQueue', ]			

```
'Queue',
'Set',
'SortedMap',
'SortedSet',
'SynchronousQueue',
'TransferQueue',
'TreeMap',
'TreeSet',
'Vector',
'BitSet',
'BigCollection',
'Matrix'
]
```

Test Case ID	TC-CMM-14.3	Test Frame	C1, UNIQUE2
Tipo	integration ▾		
Parametro		Valore	
project		<Project >	
language		LanguageType.CSharp	
Oracolo			
[ 'Dictionary', 'List', 'Queue', 'Stack', 'LinkedList', 'ObservableCollection', 'SortedList', 'HashSet', 'SortedSet', 'Hashtable', 'Array', 'ArrayList', 'ConcurrentDictionary', 'BitArray', 'BlockingCollection', 'ConcurrentQueue', 'ConcurrentStack', 'ConcurrentBag', 'ICollection', 'IComparer', 'IDictionary', 'IDictionaryEnumerator', 'IEnumerable', ]			

```

        'IEnumerator',
        'IEqualityComparer',
        'IHashCodeProvider',
        'IList',
        'IStructuralComparable',
        'IStructuralEquatable',
        'Collection',
        'ReadOnlyObservableCollection',
        'KeyedCollection',
        'ReadOnlyCollection',
        'ReadOnlyDictionary'
    ]

```

Test Case ID	TC-CMM-14.4	Test Frame	C3, UNIQUE2
Tipo	integration ▾		
Parametro		Valore	
project		<Project >	
language		LanguageType.CSharp	
Oracolo			
<div>[ 'Dictionary', 'List', 'Queue', 'Stack', 'LinkedList', 'ObservableCollection', 'SortedList', 'HashSet', 'SortedSet', 'Hashtable', 'Array', 'ArrayList', 'ConcurrentDictionary', 'BitArray', 'BlockingCollection', 'ConcurrentQueue', 'ConcurrentStack', 'ConcurrentBag', 'ICollection', 'IComparer', 'IDictionary', 'IDictionaryEnumerator', 'IEnumerable', 'IEnumerator',</div>			

```
'IEqualityComparer',
'HashCodeProvider',
'List',
'IStructuralComparable',
'IStructuralEquatable',
'Collection',
'ReadOnlyObservableCollection',
'KeyedCollection',
'ReadOnlyCollection',
'ReadOnlyDictionary',
'PriorityQueue',
'Matrix'
]
```

Test Case ID	TC-CMM-14.5	Test Frame	C1, UNIQUE4
Tipo	integration ▾		
Parametro		Valore	
project		<Project >	
language		LanguageType.Unknown	
Oracolo			
None			

Test Case ID	TC-CMM-14.6	Test Frame	C1, UNIQUE3
Tipo	integration ▾		
Parametro		Valore	
project		<Project >	
language		LanguageType.CPP	
Oracolo			
<pre>[     'array',     'vector',     'deque',     'forward_list',     'list',     'stack',     'queue',     'priority_queue',     'set',     'multiset',     'map',     'multimap',     'unordered_set',     'unordered_multiset',     'unordered_map',     'unordered_multimap' ]</pre>			

Test Case ID	TC-CMM-15.1	Test Frame	UNIQUE1
Tipo	unit ▾		
Parametro		Valore	
language		LanguageType.Java	
Oracolo			
['byte', 'short', 'int', 'long', 'float', 'double', 'boolean', 'char']			

Test Case ID	TC-CMM-15.2	Test Frame	UNIQUE2
Tipo	unit ▾		
Parametro		Valore	
language		LanguageType.CSharp	
Oracolo			
['bool', 'byte', 'sbyte', 'char', 'decimal', 'double', 'float', 'int', 'uint', 'long', 'ulong', 'short', 'ushort', 'object', 'string', 'dynamic']			

Test Case ID	TC-CMM-15.3	Test Frame	UNIQUE3
Tipo	unit ▾		
Parametro		Valore	
language		LanguageType.CPP	
Oracolo			
[ 'int', 'unsigned int', 'signed int', 'short', 'short int', 'unsigned short', 'long', 'long double', 'unsigned long', 'float', 'double', 'char', 'unsigned char', 'signed char', 'bool' ]			

Test Case ID	TC-CMM-15.4	Test Frame	UNIQUE4
Tipo	unit ▾		
Parametro		Valore	
language		LanguageType.Unknown	
Oracolo			
None			

Test Case ID	TC-CMM-16.1	Test Frame	UNIQUE1
Tipo	unit ▾		
Parametro		Valore	
language		LanguageType.Java	
Oracolo			
['byte', 'short', 'int', 'long', 'float', 'double', 'Byte', 'Float', 'Integer', 'Long', 'Number', 'Short']			

Test Case ID	TC-CMM-16.2	Test Frame	UNIQUE2
Tipo	unit ▾		
Parametro		Valore	
language		LanguageType.CSharp	
Oracolo			
['byte', 'sbyte', 'decimal', 'double', 'float', 'int', 'uint', 'long', 'ulong', 'short', 'ushort']			

Test Case ID	TC-CMM-16.3	Test Frame	UNIQUE4
Tipo	unit ▾		
Parametro		Valore	
language		LanguageType.Unknown	
Oracolo			
None			



Test Case ID	TC-CMM-17.1	Test Frame	UNIQUE1
Tipo	unit ▾		
Parametro		Valore	
language		LanguageType.Java	
Oracolo			
['boolean', 'Boolean', 'Predicate']			

Test Case ID	TC-CMM-17.2	Test Frame	UNIQUE2
Tipo	unit ▾		
Parametro		Valore	
language		LanguageType.CSharp	
Oracolo			
['bool', 'Boolean', 'Predicate']			

Test Case ID	TC-CMM-17.3	Test Frame	UNIQUE4
Tipo	unit ▾		
Parametro		Valore	
language		LanguageType.Unknown	
Oracolo			
None			

## nlp

Test Case ID	TC-NLP-1.1	Test Frame	L1
Type	<div>unit</div> <div>integration</div>		
Parametro		Valore	
text			
Oracolo			
List L = [ ]			

Test Case ID	TC-NLP-1.2	Test Frame	L2
Type	integration ▾		
Parametro		Valore	
text		Hello world, this is a test string.	
Oracolo			
List L = [ “Hello”, “world”, “this”, “is”, “a”, “test”, “string” ]			

Test Case ID	TC-NLP-1.3	Test Frame	L2,DUP1,UNIQUE1
Type	integration ▾		
Parametro		Valore	
text		Hello string world, this is a test string.	
return_unique		true	
Oracolo			
Nella lista restituita è presente una sola occorrenza dell'elemento "string"			

Test Case ID	TC-NLP-1.4	Test Frame	L2,DUP1,UNIQUE2
Type	integration ▾		
Parametro		Valore	
text		Hello string world, this is a test string.	
return_unique		false	
Oracolo			
Nella lista restituita sono presenti due occorrenze dell'elemento "string"			

Test Case ID	TC-NLP-2.1	Test Frame	C1
Type	integration ▾		
Parametro		Valore	
term_list		List L = [ “that”, “dog”, “cat”, “sea”, “python”, “the” ]	
Oracolo			
List L = [ “dog”, “cat”, “sea”, “python” ]			

Test Case ID	TC-NLP-2.2	Test Frame	C2
Type	integration ▾		
Parametro		Valore	
term_list		List L = ["dog", "cat", "sea", "python"]	
Oracolo			
List L = [ “dog”, “cat”, “sea”, “python” ]			

Test Case ID	TC-NLP-3.1	Test Frame	LF-1,LS-1
Type	integration ▾		
Parametro		Valore	
term1			
term2			
Oracolo			
false			

Test Case ID	TC-NLP-3.2	Test Frame	LF-1,LS-2
Type	integration ▾		
Parametro		Valore	
term1			
term2		good	
Oracolo			
false			

Test Case ID	TC-NLP-3.3	Test Frame	CSF-2,CSS-2,CN-2
Type	integration ▾		
Parametro		Valore	
term1		exit	
term2		good	
Oracolo			
false			

Test Case ID	TC-NLP-3.4	Test Frame	CSF-2,CSS-2,CN-1
Type	integration ▾		
Parametro		Valore	
term1		bad	
term2		good	
Oracolo			
true			

Test Case ID	TC-NLP-3.5	Test Frame	CSF-2,CSS-1,CN-1
Type	integration ▾		
Parametro		Valore	
term1		bad	
term2		GoOd	
Oracolo			
true			

Test Case ID	TC-NLP-3.6	Test Frame	CSF-1,CSS-1,CN-1
Type	integration ▾		
Parametro		Valore	
term1		Happy	
term2		sAD	
Oracolo			
true			

Test Case ID	TC-NLP-4.1	Test Frame	L1,C1
Type	integration ▾		
Parametro		Valore	
term			
pos		a	
Oracolo			
S   = 0			

Test Case ID	TC-NLP-4.2	Test Frame	L2,CS2,C2
Type	integration ▾		
Parametro		Valore	
term		dog	
pos		XYZ	
Oracolo			
S   = 0			

Test Case ID	TC-NLP-4.3	Test Frame	L2,CS2,C1
Type	integration ▾		
Parametro		Valore	
term		good	
pos		a	
Oracolo			
S   > 0			

Test Case ID	TC-NLP-4.4	Test Frame	L2,CS1,C1
Type	integration ▾		
Parametro		Valore	
term		goOD	
pos		a	
Oracolo			
S   > 0			

Test Case ID	TC-NLP-5.1	Test Frame	C1,CS2
Tipo	unit ▾		
Parametro		Valore	
term		apple	
Oracolo			
return value = "NNP"			

Test Case ID	TC-NLP-5.2	Test Frame	C1,CS1
Tipo	unit ▾		
Parametro		Valore	
term		Apple	
Oracolo			
return value = "NNP"			

Test Case ID	TC-NLP-5.3	Test Frame	C2,CS2
Tipo	unit ▾		
Parametro		Valore	
term		your	
Oracolo			
return value = “PRP”			

Test Case ID	TC-NLP-5.4	Test Frame	C1,CS1
Tipo	unit ▾		
Parametro		Valore	
tag		VB	
Oracolo			
return value = PosType.Verb			

Test Case ID	TC-NLP-5.5	Test Frame	C1,CS3
Tipo	unit ▾		
Parametro		Valore	
tag		vb	
Oracolo			
return value = PosType.Verb			

Test Case ID	TC-NLP-5.6	Test Frame	C1,CS2
Tipo	unit ▾		
Parametro		Valore	
tag		Vb	
Oracolo			
return value = PosType.Verb			

Test Case ID	TC-NLP-5.7	Test Frame	C2,CS1
Tipo	unit ▾		
Parametro		Valore	
tag		CC	
Oracolo			
return value = PosType.Conjunction			



Test Case ID	TC-NLP-5.8	Test Frame	C3,CS1
Tipo	unit ▾		
Parametro		Valore	
tag		XYZ	
Oracolo			
return value = PosType.Unknown			

Test Case ID	TC-NLP-6.1	Test Frame	F1
Type	integration ▾		
Parametro		Valore	
text		Hello world this is a test string	
Oracolo			
List L = [ "Hello", "world", "this", "is", "a", "test", "string"]			

Test Case ID	TC-NLP-6.2	Test Frame	F2
Type	integration ▾		
Parametro		Valore	
text		1231,-.##\$%	
Oracolo			
List L = [ ]			

Test Case ID	TC-NLP-6.3	Test Frame	F3
Type	integration ▾		
Parametro		Valore	
text		Happy,dog Another sentence	
Oracolo			
List L = [ ]			

Test Case ID	TC-NLP-7.1	Test Frame	M1
Tipo	unit ▾		
Parametro		Valore	
term		apples	
Oracolo			
false			

Test Case ID	TC-NLP-7.2	Test Frame	C2
Tipo	unit ▾		
Parametro		Valore	
term		Paris	
Oracolo			
true			

Test Case ID	TC-NLP-7.3	Test Frame	C1
Tipo	unit ▾		
Parametro		Valore	
term		rooms	
Oracolo			
false			

Test Case ID	TC-NLP-8.1	Test Frame	C1
Tipo	unit ▾		
Parametro		Valore	
term		apples	
Oracolo			
true			

Test Case ID	TC-NLP-8.2	Test Frame	C2
Tipo	unit ▾		
Parametro		Valore	
term		Chris	
Oracolo			
false			

Test Case ID	TC-NLP-8.3	Test Frame	C1
Tipo	unit ▾		
Parametro		Valore	
term		buildings	
Oracolo			
true			

Test Case ID	TC-NLP-9.1	Test Frame	C2
Tipo	unit ▾		
Parametro		Valore	
Project		project.splitter_terms = []	
Oracolo			
return list   >= 1			

Test Case ID	TC-NLP-9.2	Test Frame	C1
Tipo	unit ▾		
Parametro		Valore	
Project		project.splitter_terms = ["a", "b", "c"]	
Oracolo			
Ogni elemento di project.splitter_terms è nella lista restituita			

Test Case ID	TC-NLP-9.3	Test Frame	C2
Tipo	unit ▾		
Parametro		Valore	
Project		project.pos_terms = { }	
Oracolo			
return dict   >= 1			

Test Case ID	TC-NLP-9.4	Test Frame	C1
Tipo	unit ▾		
Parametro		Valore	
Project		project.splitter_terms = {"Test1": "VB", "Test2": "NN"}	
Oracolo			
"Test1" in return && "Test2" in return			

Test Case ID	TC-NLP-9.5	Test Frame	C2
Tipo	unit ▾		
Parametro		Valore	
Project		project.plural_terms = [ ]	
Oracolo			
return list   >= 1			

Test Case ID	TC-NLP-9.6	Test Frame	C1
Tipo	unit ▾		
Parametro		Valore	
Project		project.plural_terms = ["a", "b", "c"]	
Oracolo			
Ogni elemento di project.plural_terms è nella lista restituita			

Test Case ID	TC-NLP-9.7	Test Frame	C2
Tipo	unit ▾		
Parametro		Valore	
Project		project.transform_terms_staring = [ ]	
Oracolo			
return list   >= 1			

Test Case ID	TC-NLP-9.8	Test Frame	C1
Tipo	unit ▾		
Parametro		Valore	
Project		project.transform_terms_staring = ["test1", "test2"]	
Oracolo			
Ogni elemento di project.transform_terms_staring è nella lista restituita			

Test Case ID	TC-NLP-9.9	Test Frame	C2
Tipo	unit ▾		
Parametro		Valore	
Project		project.transform_terms_inner = [ ]	
Oracolo			
return list   >= 1			

Test Case ID	TC-NLP-9.10	Test Frame	C1
Tipo	unit ▾		
Parametro		Valore	
Project		project.transform_terms_inner = ["test1to", "test2into"]	
Oracolo			
Ogni elemento di project.transform_terms_inner è nella lista restituita			

Test Case ID	TC-NLP-9.11	Test Frame	C2
Tipo	unit ▾		
Parametro		Valore	
Project		project.conditional_terms = [ ]	
Oracolo			
return list   >= 1			

Test Case ID	TC-NLP-9.12	Test Frame	C1
Tipo	unit ▾		
Parametro		Valore	
Project		project.conditional_terms = ["test1", "test2"]	
Oracolo			
Ogni elemento di project.conditional_terms è nella lista restituita			

Test Case ID	TC-NLP-9.13	Test Frame	C2
Tipo	unit ▾		
Parametro		Valore	
Project		project.validate_terms = [ ]	
Oracolo			
return list   >= 1			

Test Case ID	TC-NLP-9.14	Test Frame	C1
Tipo	unit ▾		
Parametro		Valore	
Project		project.validate_terms = ["test1", "test2"]	
Oracolo			
Ogni elemento di project.validate_terms è nella lista restituita			

Test Case ID	TC-NLP-9.15	Test Frame	C2
Tipo	unit ▾		
Parametro		Valore	
Project		project.boolean_terms = [ ]	
Oracolo			
return list   >= 1			

Test Case ID	TC-NLP-9.16	Test Frame	C1
Tipo	unit ▾		
Parametro		Valore	
Project		project.boolean_terms = ["test1", "test2"]	
Oracolo			
Ogni elemento di project.boolean_terms è nella lista restituita			

Test Case ID	TC-NLP-9.17	Test Frame	C2
Tipo	unit ▾		
Parametro		Valore	
Project		project.get_terms = [ ]	
Oracolo			
return list   >= 1			

Test Case ID	TC-NLP-9.18	Test Frame	C1
Tipo	unit ▾		
Parametro		Valore	
Project		project.get_terms = ["test1", "test2"]	
Oracolo			
Ogni elemento di project.get_terms è nella lista restituita			

Test Case ID	TC-NLP-9.19	Test Frame	C2
Tipo	unit ▾		
Parametro		Valore	
Project		project.set_terms = [ ]	
Oracolo			
return list   >= 1			

Test Case ID	TC-NLP-9.20	Test Frame	C1
Tipo	unit ▾		
Parametro		Valore	
Project		project.set_terms = ["test1", "test2"]	
Oracolo			
Ogni elemento di project.set_terms è nella lista restituita			



service

Test Case ID	TC-SRV-2.1	Test Frame	FILE1
Tipo	unit ▾		
Parametro		Valore	
file_path		"path/to/invalid/file.java"	
Oracolo			
None			

Test Case ID	TC-SRV-2.2	Test Frame	FILE2
Tipo	unit ▾		
Parametro		Valore	
file_path		temp_path	
Oracolo			
Factory.entity is not None			

Test Case ID	TC-SRV-3.1	Test Frame	FILE1
Tipo	unit ▾		
Parametro		Valore	
file_path		"path/to/invalid/file.java"	
Oracolo			
False			

Test Case ID	TC-SRV-3.2	Test Frame	FILE2
Tipo	<div>unit</div> <div>integration</div>		
Parametro		Valore	
file_path		temp_path	
Oracolo			
True			

Test Case ID	TC-SRV-4.1	Test Frame	FILE1
Tipo	integration ▾		
Parametro		Valore	
file_path		"path/to/invalid/file.java"	
Oracolo			
srcml: Unable to open file path/to/invalid/file.java\txt\r\n			

Test Case ID	TC-SRV-4.2	Test Frame	FILE2
Parametro		Valore	
file_path		temp_path	
Oracolo			
startswith('(b'<?xml version="1.0" encoding="UTF-8" standalone="yes"?>')			

Test Case ID	TC-SRV-5.1	Test Frame	FILE1
Tipo	integration ▾		
Parametro		Valore	
self.parsed_file		"""" this variable contains the dog name """" dog_name = "Jack" def get_dog_name(project): """" this function returns the dog name """" return dog_name	
Oracolo			
[<GreetAttribute identifier="dog_name", value="Jack", ...>]			

Test Case ID	TC-SRV-5.2	Test Frame	FILE2
Tipo	integration ▾		
Parametro		Valore	
self.parsed_file		"""" this variable contains the dog name """" dog_name = "Jack" """" this variable contains the dog age """" dog_age = 3 def get_dog_name(project): """" this function returns the dog name """" return dog_name	
Oracolo			
[<GreetAttribute identifier="dog_name", value="Jack", ...>, <GreetAttribute identifier="dog_age", value="3", ...>]			

Test Case ID	TC-SRV-5.3	Test Frame	FILE3
Tipo	integration ▾		
Parametro		Valore	
self.parsed_file		def get_dog_name(project): """" this function returns the dog name """" return dog_name	
Oracolo			
[]			

Test Case ID	TC-SRV-5.4	Test Frame	FILE4
Tipo	integration ▾		
Parametro		Valore	
self.parsed_file		"""" this variable contains the dog name """" dog_name = "Jack" def get_dog_name(project): """" this function returns the dog name """" new_dog_name = "Mike" return dog_name	
Oracolo			
[<GreetAttribute identifier="dog_name", value="Jack", ...>, <GreetAttribute identifier="new_dog_name", value="Mike", ...>]			

Test Case ID	TC-SRV-5.5	Test Frame	FILE5
Tipo	integration ▾		
Parametro		Valore	
self.parsed_file		"""" this is the variable content """" variable_name = ["first_value", "second_value"]	
Oracolo			
[<GreetAttribute identifier="variable_name", value=["first_value", "second_value"], ...>]			

Test Case ID	TC-SRV-5.6	Test Frame	FILE6
Tipo	integration ▾		
Parametro		Valore	
self.parsed_file		""""  this is the variable content  """"  variable_name = ("first_value", "second_value", "third_value")	
Oracolo			
[<GreetAttribute identifier="variable_name", value=["first_value", "second_value"], ...>]			

Test Case ID	TC-SRV-5.7	Test Frame	FILE7
Tipo	integration ▾		
Parametro		Valore	
self.parsed_file		"""" this is the variable content """" variable_name = {"first_value", "second_value", "third_value"}	
Oracolo			
[<GreetAttribute identifier="variable_name", value="{\"first_value\", \"second_value\", \"third_value\"}”, ...>]			

Test Case ID	TC-SRV-5.8	Test Frame	FILE8
Tipo	integration ▾		
Parametro		Valore	
self.parsed_file		"""" this is the variable content """" val1, val2 = 100, 200	
Oracolo			
[<GreetAttribute identifier="val1, val2", value="100, 200", ...>]			

Test Case ID	TC-SRV-5.9	Test Frame	FILE9
Tipo	integration ▾		
Parametro		Valore	
self.parsed_file		"""" this is the variable content """" val1, val2, val3 = 100, 200, 300	
Oracolo			
[<GreetAttribute identifier="val1, val2", value="100, 200, 300", ...>]			

Test Case ID	TC-SRV-5.10	Test Frame	FILE10
Tipo	integration ▾		
Parametro		Valore	
self.parsed_file		"""" this is the variable content """" variable_name = {first_value: "one", second_value: "two", third_value: "three"}	
Oracolo			
[<GreetAttribute identifier="variable_name", value="{first_value: "one", second_value: "two", third_value: "three"}", ...>]			

Test Case ID	TC-SRV-5.11	Test Frame	FILE11
Tipo	integration ▾		
Parametro		Valore	
self.parsed_file		"""" this is the variable content """" variable_name = func_call()	
Oracolo			
[<GreetAttribute identifier="variable_name", value="func_call()", ...>]			

Test Case ID	TC-SRV-5.12	Test Frame	FILE12
Tipo	integration ▾		
Parametro		Valore	
self.parsed_file		"""" this is the variable content """" variable_name = func_call(old_func([1, 2, 3]), ("a", "b"), set_value={"set_val1", "set_val2"}, dict_value={first: "first value", second: "second value"})	
Oracolo			
[<GreetAttribute identifier="variable_name", value="func_call(old_func([1, 2, 3]), ("a", "b"), set_value={"set_val1", "set_val2"}, dict_value={first: "first value", second: "second value"})", ...>]			

Test Case ID	TC-SRV-6.1	Test Frame	FILE1
Tipo	integration ▾		
Parametro		Valore	
self.parsed_file		"""" this variable contains the dog name """" dog_name = "Jack" def get_dog_name(project): """" this function returns the dog name """" return dog_name	
Oracolo			
[<GreetFunction identifier="get_dog_name" ...>]			



Test Case ID	TC-SRV-6.2	Test Frame	FILE2
Tipo	integration ▾		
Parametro		Valore	
self.parsed_file		<pre>"""     this variable contains the dog name """ dog_name = "Jack" cat_name = "Kitty" def get_dog_name(project):     """         this function returns the dog name     """     return dog_name def get_cat_name(project):     """         this function returns the dog name     """     return cat_name</pre>	
Oracolo			
[<GreetFunction identifier="get_dog_name", ...>, <GreetFunction identifier="get_cat_name", ...>]			

Test Case ID	TC-SRV-6.3	Test Frame	FILE3
Tipo	integration ▾		
Parametro		Valore	
self.parsed_file		"""" this variable contains the dog name """"  dog_name = "Jack" cat_name = "Kitty"	
Oracolo			
[]			

Test Case ID	TC-SRV-6.4	Test Frame	FILE4
Tipo	integration ▾		
Parametro		Valore	
self.parsed_file		class MyClass: dog_name = "Jhon" def get_dog_name(project): """ this function returns the dog name """ return dog_name	
Oracolo			
[<GreetFunction identifier="get_dog_name", ...>]			

Test Case ID	TC-SRV-6.5	Test Frame	FILE5
Tipo	integration ▾		
Parametro		Valore	
self.parsed_file		<pre>class MyClass:     dog_name = "Jhon"     cat_name = "Kitty"     def get_dog_name(project):         """         this function returns the dog name         """         return dog_name     def get_cat_name(project):         """         this function returns the dog name         """         return cat_name</pre>	
Oracolo			
[<GreetFunction identifier="get_dog_name", ...>, <GreetFunction identifier="get_cat_name", ...>]			

Test Case ID	TC-SRV-7.1	Test Frame	FILE1
Tipo	integration ▾		
Parametro		Valore	
self.parsed_file		"""" this variable contains the dog name """" dog_name = "Jack" def get_dog_name(project): """" this function returns the dog name """" return dog_name	
Oracolo			
self.attributes.length = 1, self.function.length = 1			