

acrolinx IQ Checking Report



Settings and Result Overview ▼ Show | Hide

	Status	Results	Score
✎ Spelling	✓	11	63
✎ Grammar	✓	2	11
✎ Style	✓	90	512
✎ Terminology	✓	0	0
✎ Reuse	✗		
✎ New terms	✓	171	

Administrative Information ▼ Show | Hide

User name	admin
License ID	acrolinx Internal / admin
License edition	Enterprise
Version information	Plug-in : 2.0.1 (Build : 915) / Server : 2.2 (Build : 2704)
Resources	Demo : 2.2 (build: 1009 / 2010-12-13)
File Name	file:///C:/Dokumente und Einstellungen/melanie/Eigene Dateien/Lehre/Coli Saarbrücken/Student Texts/XML Tags.doc
File format	application/word

Checking Information ▼ Show | Hide

Date and time of check	Tue Dec 14 11:25:15 CET 2010
Document language	English
Rule set	Standard_US
Term sets used	acrolinx
Checking Scope	1757 word(s) / 188 sentence(s)
Checking Status	● (Score: 586; green < 100, yellow 100 - 199, red ≥ 200)
Flesch Reading Ease	69.3

Spelling ▼ Show | Hide

Word	Count	Suggestion	Context
Emph	4		Volume, Rate, Pitch, Emph , and Spell. Emph The Emph tag instructs the voice to emphasize a word or section of text. The Emph tag cannot be empty.
absspeed	1	airspeed	<rate absspeed ="10"/>
Msec	1		This tag must be empty, and must have one attribute, Msec .
phonemes	2	phones phonies	The voice will process the sequence of phonemes exactly as they are specified. The Pron tag has one attribute, Sym, whose value is a string of white space separated phonemes .
Sym	1	Gym Sam Sem Sim Sum	The Pron tag has one attribute, Sym , whose value is a string of white space separated phonemes.
sym	2	gym Gym sem sum	<pron sym ="h eh l l ow & w er l l d"/> <pron sym ="h eh l l ow & w er l l d"> hello world </pron>

Grammar ▼ Show | Hide**Summary**

wrong_sequence_of_words	1
noun_adjective_confusion	1

Details⌵ **Order by Rule**

→ wrong_sequence_of_words

Did **you** <partofsp part="verb"> record </partofsp> that <partofsp part="noun"> record </partofsp>?

→ noun_adjective_confusion

Several contexts are defined by SAPI and are more likely to be recognized by **SAPI compliant** voices, but any string may be used.

Several contexts are defined by SAPI and are more likely to be recognized by **SAPI-compliant** voices, but any string may be used.

Style ▼ Show | Hide**Summary**

synonym_of_if	1
avoid_modal_verbs	38
avoid_passive	7
sentence_too_long	8
avoid_future_tense	9
use_numerals	8
use_serial_comma	1
avoid_archaic_word	2
avoid_needless_word	2
avoid_s_in_parentheses	1
avoid_above_and_below	2
avoid_ordinals_in_dates	3
use_this_that_these_those_with_noun	3
missing_space	1
condition_must_precede_action	2
use_gender_neutral_words	1
avoid_redundant_word	1

Details⌵ **Order by Occurrence**

→ synonym_of_if

In the case of an invalid XML structure, a speak error may be returned by the program.

→ avoid_modal_verbs

In the case of an invalid XML structure, a speak error **may** be returned by the program.

If the element is empty, it has no contents <Some_tag></Some_tag> and the start tag and the end tag **might** be the same <Some_tag/>.

The value of this attribute **should** be an integer between zero and one hundred.

This text **should** be spoken at volume level fifty.

This text **should** be spoken at volume level one hundred.

All text which follows **should** be spoken at volume level eighty.

The value of both of these attributes **should** be an integer between negative ten and ten.

Values outside of this range **may** be truncated by the engine (but are not truncated by SAPI).

This text **should** be spoken at rate five.

This text **should** be spoken at rate negative five.

All text which follows **should** be spoken at rate ten.

This text **should** be spoken at rate five.

This text **should** be spoken at rate zero.

The value of both of these attributes **should** be an integer between negative ten and ten.

Values outside of this range **may** be truncated by the engine (but are not truncated by SAPI).

This text **should** be spoken at pitch five.

This text **should** be spoken at pitch negative five.

All text which follows **should** be spoken at pitch ten.

This text **should** be spoken at pitch five.

This text **should** be spoken at pitch zero.

The following word **should** be emphasized.

The method of emphasis **may** vary from voice to voice.

All characters **should** be expanded to corresponding words (including punctuation, numbers, and so forth).

These words **should** be spelled out.

These words **should** not be spelled out.

With both of these tags, the extent to which voices use the context **may** vary.

The Context tag provides the voice with information which the voice **may** then use to determine how to normalize special items, like dates, numbers, and currency.

Several contexts are defined by SAPI and are more likely to be recognized by SAPI compliant voices, but any string **may** be used.

<context id="date_mdy"> 03/04/01 </context> **should** be March fourth, two thousand one.

<context id="date_dmy"> 03/04/01 </context> **should** be April third, two thousand one.

<context id="date_ymd"> 03/04/01 </context> **should** be April first, two thousand three.

The default voice **should** speak this sentence.

A female non-child **should** speak this sentence, if one exists.

A teen **should** speak this sentence - if a female, non-child teen is present, she will be selected over a male teen, for example.

This attribute **should** be a LANGID, such as 407 (German), 409 (U.S. English) or 411 (Japanese).

So the following examples **should** produce exactly the same results:

A U.S. English voice **should** speak this.

A U.S. English voice **should** speak this.

→ avoid_passive

In the case of an invalid XML structure, a speak error **may be returned by** the program.

Values outside of this range **may be truncated by** the engine (but are not truncated by SAPI).

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Several contexts **are defined by** SAPI and are more likely to be recognized by SAPI compliant voices, but any string may be used.

Several contexts are defined by SAPI and are more likely to **be recognized by** SAPI compliant voices, but any string may be used.

→ sentence_too_long

The tag can be empty, in which case it applies to all subsequent text, or it can have content, in which case it only applies to that **content**.

The tag can be empty, in which case it applies to all subsequent text, or it can have content, in which case it only applies to that **content**.

The AbsSpeed attribute controls the absolute rate of the voice, so a value of ten always corresponds to a value of ten, a value of five always corresponds to a value of **five**.

The tag can be empty, in which case it applies to all subsequent text, or it can have content, in which case it only applies to that **content**.

The AbsMiddle attribute controls the absolute pitch of the voice, so a value of ten always corresponds to a value of ten, a value of five always corresponds to a value of **five**.

The tag can be empty, in which case it changes the voice for all subsequent text, or it can have content, in which case it only changes the voice for that **content**.

The tag can be empty, in which case it changes the voice for all subsequent text; or it can have content, in which case it only changes the voice for that **content**.

More specifically, if you want to recognize the word *hello* only when it is pronounced as *ah* and display greeting when recognized, you would normally use something like the **following**.

→ **avoid_future_tense**

Values outside of this range **will be truncated**.

The voice **will process** the sequence of phonemes exactly as they are specified.

If it does have content, it **will be interpreted** as providing the pronunciation for the enclosed text.

That is, the enclosed text **will not be processed** as it normally would be.

This value can then be used to differentiate between bookmark events (each of which **will contain** the string value from their corresponding tag).

The application **will receive** an event here,

This means that, a voice which is more similar to the current voice **will be selected** over one which is less similar.

If no voice is found that matches all of the required attributes, no voice change **will occur**.

A teen should speak this sentence - if a female, non-child teen is present, she **will be selected** over a male teen, for example.

→ **use_numerals**

This text should be spoken at volume level **fifty**.

This text should be spoken at volume level **one hundred**.

All text which follows should be spoken at volume level **eighty**.

One hundred represents the default volume of a voice.

Five hundred milliseconds of silence `<silence msec="500"/>` just occurred.

`<context id="date_mdy"> 03/04/01 </context>` should be March fourth, **two thousand one**.

`<context id="date_dmy"> 03/04/01 </context>` should be April third, **two thousand one**.

`<context id="date_ymd"> 03/04/01 </context>` should be April first, **two thousand three**.

→ **use_serial_comma**

Zero represents the default middle pitch for a voice, with positive values **being higher and** negative values being lower.

→ Zero represents the default middle pitch for a voice, with positive values **being higher, and** negative values being lower.

→ **avoid_archaic_word**

The *Spell* tag forces the voice to spell out all text, rather than using its default word and sentence breaking rules, normalization rules, **and so forth**.

→ The *Spell* tag forces the voice to spell out all text, rather than using its default word and sentence breaking rules, normalization rules, **and so on**.

All characters should be expanded to corresponding words (including punctuation, numbers, **and so forth**).

→ All characters should be expanded to corresponding words (including punctuation, numbers, **and so on**).

→ **avoid_needless_word**

Five hundred milliseconds of silence <silence msec="500"/> **just** occurred.

→ Five hundred milliseconds of silence <silence msec="500"/> occurred.

Note that these numbers are hexadecimal, but without the typical "0x".

→ avoid_s_in_parentheses

The PartOfSp tag provides the voice with the part of speech of the enclosed **word(s)**.

→ avoid_above_and_below

Use this tag to enable the voice to distinguish between confusable date formats (see the example, **below**).

Using custom pronunciation, the **above** would translate to the following.

→ avoid_ordinals_in_dates

<context id="date_mdy"> 03/04/01 </context> should be **March fourth**, two thousand one.

<context id="date_dmy"> 03/04/01 </context> should be **April third**, two thousand one.

<context id="date_ymd"> 03/04/01 </context> should be **April first**, two thousand three.

→ use_this_that_these_those_with_noun

This means that, a voice which is more similar to the current voice will be selected over one which is less similar.

A U.S. English voice should speak **this**.

A U.S. English voice should speak **this**.

→ missing_space

<voice required="Gender=Female;**Age!**

→ <voice required="Gender=Female; **Age!**

→ condition_must_precede_action

A female non-child should speak this sentence, **if** one exists.

A teen should speak this sentence - **if** a female, non-child teen is present, she will be selected over a male teen, for example.

→ use_gender_neutral_words

A teen should speak this sentence - if a female, non-child teen is present, **she** will be selected over a male teen, for example.

→ avoid_redundant_word

So the following examples should produce **exactly the same** results:

→ So the following examples should produce **the same** results:

Terminology ▼ Show | Hide

No results found.

New Terms ▼ Show | Hide

(http://127.0.0.1:8031/output/TH/en/XML_Tags_doc_admin_d2b1b356452d1185...)

Term Candidate	Context
AbsMiddle	The Pitch tag has two attributes, Middle and AbsMiddle , one of which must be present. The AbsMiddle attribute controls the absolute pitch of the voice, so a value of ten always corresponds to a value of ten, a value of five always corresponds to a value of five.

absolute pitch	The AbsMiddle attribute controls the absolute pitch of the voice, so a value of ten always corresponds to a value of ten, a value of five always corresponds to a value of five.
absolute rate	The AbsSpeed attribute controls the absolute rate of the voice, so a value of ten always corresponds to a value of ten, a value of five always corresponds to a value of five.
absolute value	The absolute value is found by adding each Speed to the current absolute value. The absolute value is found by adding each Speed to the current absolute value . The absolute value is found by adding each Middle to the current absolute value. The absolute value is found by adding each Middle to the current absolute value .
AbsSpeed	The Rate tag has two attributes, Speed and AbsSpeed , one of which must be present. The AbsSpeed attribute controls the absolute rate of the voice, so a value of ten always corresponds to a value of ten, a value of five always corresponds to a value of five.
alphabet	<partofsp part="noun"> A </partofsp> is the first letter of the alphabet .
audio	Use this event to signal the application when the audio corresponding to the text at the Bookmark tag has been reached.
audio stream	The Silence tag inserts a specified number of milliseconds of silence into the output audio stream . The Bookmark tag inserts a bookmark event into the output audio stream .
boo	<emph> boo </emph>!
Bookmark	Silence, Pron, and Bookmark . Bookmark
bookmark event	The Bookmark tag inserts a bookmark event into the output audio stream.
case-insensitive tag name	Every XML element consists of a start tag <Some_tag> and an end tag </Some_tag> with a case-insensitive tag name and contents between these tags.
compliant voice	Several contexts are defined by SAPI and are more likely to be recognized by SAPI compliant voices , but any string may be used.
confusable date format	Use this tag to enable the voice to distinguish between confusable date formats (see the example, below).
Context tag	The Context tag provides the voice with information which the voice may then use to determine how to normalize special items, like dates, numbers, and currency. The Context tag cannot be empty. The Context tag has one attribute, Id, which takes a string corresponding to the context of the enclosed text.
custom pronunciation	An alternative to using the <P> tag with the DISP and PRON attributes is to use custom pronunciation . Using custom pronunciation , tags in the form of the following. Using custom pronunciation , the above would translate to the following.
Custom Pronunciation	Custom Pronunciation Custom Pronunciation
DISP	An alternative to using the <P> tag with the DISP and PRON attributes is to use custom pronunciation.
display greeting	More specifically, if you want to recognize the word hello only when it is pronounced as ah and display greeting when recognized, you would normally use something like the following.
Emph	Volume, Rate, Pitch, Emph , and Spell. Emph
end tag	Every XML element consists of a start tag <Some_tag> and an end tag </Some_tag> with a case-insensitive tag name and contents between these tags. If the element is empty, it has no contents <Some_tag></Some_tag> and the start tag and the end tag might be the same <Some_tag/>.
English	This attribute should be a LANGID, such as 407 (German), 409 (U.S. English) or 411 (Japanese).
English voice	A U.S. English voice should speak this. A U.S. English voice should speak this.
extensible markup language	SAPI 5 synthesis markup is the collection of extensible markup language (XML) tags inserted into text to modify the speech synthesis of that text.
female non-child	A female non-child should speak this sentence, if one exists.
functionality	These XML tags, which provide functionality such as volume control and word emphasis, are inserted into text.
integer	The value of this attribute should be an integer between zero and one hundred. The value of both of these attributes should be an integer between negative ten and ten. The value of both of these attributes should be an integer between negative ten and ten.
Interjection	Only SAPI defined parts of speech are supported - "Unknown", "Noun", "Verb", "Modifier", "Function", "Interjection" .
item insertion	Direct item insertion
item insertion tag	Direct item insertion tags
Lang	Lang

Lang tag	The Lang tag selects a voice based solely on its Language attribute. The Lang tag has one attribute, Langld. The Lang tag is a shortened version of the Voice tag with the Required attribute containing "Language=xxx".
Langld	The Lang tag has one attribute, Langld .
LANGID	This attribute should be a LANGID , such as 407 (German), 409 (U.S. English) or 411 (Japanese).
Language attribute	The Lang tag selects a voice based solely on its Language attribute .
male teen	A teen should speak this sentence - if a female, non-child teen is present, she will be selected over a male teen , for example.
Modifier	Only SAPI defined parts of speech are supported - "Unknown", "Noun", "Verb", " Modifier ", "Function", "Interjection".
Msec	This tag must be empty, and must have one attribute, Msec .
non-child teen	A teen should speak this sentence - if a female, non-child teen is present, she will be selected over a male teen, for example.
normalization rule	The Spell tag forces the voice to spell out all text, rather than using its default word and sentence breaking rules, normalization rules , and so forth.
optional attribute	The attributes of the current voice are always added as optional attributes when the Voice tag is used.
ow	<pron sym="h eh l l ow & w er l l d "/> <pron sym="h eh l l ow & w er l l d"> hello world </pron>
parser	By default, the SAPI XML parser auto-detects XML.
PartOfSp	PartOfSp and Context. PartOfSp The PartOfSp tag provides the voice with the part of speech of the enclosed word(s). The PartOfSp tag cannot be empty. The PartOfSp tag has one attribute, Part, which takes a string corresponding to a SAPI part of speech as its attribute.
phonemes	The voice will process the sequence of phonemes exactly as they are specified. The Pron tag has one attribute, Sym, whose value is a string of white space separated phonemes .
pitch absmiddle	< pitch absmiddle ="10"/>
positive value	Zero represents the default rate of a voice, with positive values being faster and negative values being slower. Zero represents the default middle pitch for a voice, with positive values being higher and negative values being lower.
ProN	Silence, Pron , and Bookmark. Pron
PRON	An alternative to using the <P> tag with the DISP and PRON attributes is to use custom pronunciation.
pron sym	< pron sym ="h eh l l ow & w er l l d "/> < pron sym ="h eh l l ow & w er l l d"> hello world </pron>
Pron tag	The Pron tag inserts a specified pronunciation. The Pron tag has one attribute, Sym, whose value is a string of white space separated phonemes.
pronunciation	The Pron tag inserts a specified pronunciation . If it does have content, it will be interpreted as providing the pronunciation for the enclosed text.
pronunciation	Use this tag to enable the voice to pronounce a word with multiple pronunciations correctly depending on its part of speech.
rate absspeed	< rate absspeed ="10"/>
Rate tag	The Rate tag controls the rate of a voice. The Rate tag has two attributes, Speed and AbsSpeed, one of which must be present.
SAPI	XML Tags (SAPI 5) SAPI 5 synthesis markup is the collection of extensible markup language (XML) tags inserted into text to modify the speech synthesis of that text. SAPI text-to-speech (TTS) XML tags fall into several categories. Values outside of this range may be truncated by the engine (but are not truncated by SAPI). Values outside of this range may be truncated by the engine (but are not truncated by SAPI). The PartOfSp tag has one attribute, Part, which takes a string corresponding to a SAPI part of speech as its attribute. Only SAPI defined parts of speech are supported - "Unknown", "Noun", "Verb", "Modifier", "Function", "Interjection". Several contexts are defined by SAPI and are more likely to be recognized by SAPI compliant voices, but any string may be used. Several contexts are defined by SAPI and are more likely to be recognized by SAPI compliant voices, but any string may be used.
SAPI TTS XML	SAPI TTS XML supports five tags that control the state of the current voice:
SAPI XML	By default, the SAPI XML parser auto-detects XML.

speech synthesis	SAPI 5 synthesis markup is the collection of extensible markup language (XML) tags inserted into text to modify the speech synthesis of that text.
Speed attribute	The Speed attribute controls the relative rate of the voice.
start tag	Every XML element consists of a start tag <Some_tag> and an end tag </Some_tag> with a case-insensitive tag name and contents between these tags. If the element is empty, it has no contents <Some_tag></Some_tag> and the start tag and the end tag might be the same <Some_tag/>.
string value	This value can then be used to differentiate between bookmark events (each of which will contain the string value from their corresponding tag).
Sym	The Pron tag has one attribute, Sym , whose value is a string of white space separated phonemes.
synthesis markup	SAPI 5 synthesis markup is the collection of extensible markup language (XML) tags inserted into text to modify the speech synthesis of that text.
tag	<p>The tag can be empty, in which case it applies to all subsequent text, or it can have content, in which case it only applies to that content.</p> <p>The tag can be empty, in which case it applies to all subsequent text, or it can have content, in which case it only applies to that content.</p> <p>The Pitch tag controls the pitch of a voice.</p> <p>The tag can be empty, in which case it applies to all subsequent text, or it can have content, in which case it only applies to that content.</p> <p>The Pitch tag has two attributes, Middle and AbsMiddle, one of which must be present.</p> <p>The Emph tag instructs the voice to emphasize a word or section of text.</p> <p>The Emph tag cannot be empty.</p> <p>The Spell tag cannot be empty.</p> <p>The Silence tag inserts a specified number of milliseconds of silence into the output audio stream.</p> <p>This tag must be empty, and must have one attribute, Msec.</p> <p>This tag can be empty, or it can have content.</p> <p>The Bookmark tag inserts a bookmark event into the output audio stream.</p> <p>Use this event to signal the application when the audio corresponding to the text at the Bookmark tag has been reached.</p> <p>The Bookmark tag must be empty.</p> <p>The Bookmark tag has one attribute, Mark, whose value is a string.</p> <p>This value can then be used to differentiate between bookmark events (each of which will contain the string value from their corresponding tag).</p> <p>The PartOfSp tag provides the voice with the part of speech of the enclosed word(s).</p> <p>Use this tag to enable the voice to pronounce a word with multiple pronunciations correctly depending on its part of speech.</p> <p>The PartOfSp tag cannot be empty.</p> <p>The PartOfSp tag has one attribute, Part, which takes a string corresponding to a SAPI part of speech as its attribute.</p> <p>Use this tag to enable the voice to distinguish between confusable date formats (see the example, below).</p> <p>The tag can be empty, in which case it changes the voice for all subsequent text, or it can have content, in which case it only changes the voice for that content.</p> <p>The tag can be empty, in which case it changes the voice for all subsequent text; or it can have content, in which case it only changes the voice for that content.</p> <p>An alternative to using the <P> tag with the DISP and PRON attributes is to use custom pronunciation.</p>
tag force	The Spell tag forces the voice to spell out all text, rather than using its default word and sentence breaking rules, normalization rules, and so forth.
tag	<p>These XML tags, which provide functionality such as volume control and word emphasis, are inserted into text.</p> <p>Every XML element consists of a start tag <Some_tag> and an end tag </Some_tag> with a case-insensitive tag name and contents between these tags.</p> <p>SAPI text-to-speech (TTS) XML tags fall into several categories.</p> <p>SAPI TTS XML supports five tags that control the state of the current voice:</p> <p>Three tags are supported that applications the ability to insert items directly at some level:</p> <p>Two tags provide context to the current voice:</p> <p>Those tags enable the voice to determine how to deal with the text it is processing.</p> <p>With both of these tags, the extent to which voices use the context may vary.</p> <p>There are two tags which can be used (potentially) to change the current voice:</p> <p>Using custom pronunciation, tags in the form of the following.</p>
Tag	XML Tags (SAPI 5)
teen	A teen should speak this sentence - if a female, non-child teen is present, she will be selected over a male teen, for example.
text-to-speech	SAPI text-to-speech (TTS) XML tags fall into several categories.
TTS	SAPI text-to-speech (TTS) XML tags fall into several categories.
VendorPreferred	The Voice tag selects a voice based on its attributes, Age, Gender, Language, Name, Vendor, and VendorPreferred .
voice change	If no voice is found that matches all of the required attributes, no voice change will occur.

Voice context control	Voice context control
Voice context control tag	Voice context control tags
Voice selection	Voice selection
Voice Selection Tag	Voice Selection Tags
Voice state control	Voice state control
Voice state control tag	Voice state control tags
Voice tag	<p>The Voice tag selects a voice based on its attributes, Age, Gender, Language, Name, Vendor, and VendorPreferred.</p> <p>The Voice tag has two attributes:</p> <p>The attributes of the current voice are always added as optional attributes when the Voice tag is used.</p> <p>The Lang tag is a shortened version of the Voice tag with the Required attribute containing "Language=xxx".</p>
volume control	These XML tags, which provide functionality such as volume control and word emphasis, are inserted into text.
volume level	<p>This text should be spoken at volume level fifty.</p> <p>This text should be spoken at volume level one hundred.</p> <p><volume level="80"/></p> <p>All text which follows should be spoken at volume level eighty.</p>
Volume tag	<p>The Volume tag controls the volume of a voice.</p> <p>The Volume tag has one required attribute:</p>
word emphasis	These XML tags, which provide functionality such as volume control and word emphasis , are inserted into text.
XML	<p>XML Tags (SAPI 5)</p> <p>SAPI 5 synthesis markup is the collection of extensible markup language (XML) tags inserted into text to modify the speech synthesis of that text.</p> <p>These XML tags, which provide functionality such as volume control and word emphasis, are inserted into text.</p> <p>By default, the SAPI XML parser auto-detects XML.</p> <p>In the case of an invalid XML structure, a speak error may be returned by the program.</p> <p>Every XML element consists of a start tag <Some_tag> and an end tag </Some_tag> with a case-insensitive tag name and contents between these tags.</p> <p>SAPI text-to-speech (TTS) XML tags fall into several categories.</p>
xxx	The Lang tag is a shortened version of the Voice tag with the Required attribute containing "Language= xxx ".