

Preface – Beta Testing

This is a beta testing document for the **JW Validate** plug-in. It reflects the current beta build, which is beta version **0.11**.

All the validate checks that are listed in this document should function in the plug-in with the same version. This document is also the base of what's going to be the “manual” for the JW Validate plug-in.

The plug-in should be stable enough to use in your daily work. Always make sure you download the latest beta version and beta documentation.

When you test the beta versions, here are some things to test and feedback:

- Crashes (ALWAYS report crashes!)
- “False positives” (where something is reported that always would be considered to be correct)
- Overloaded reports – documents where you get many many many reports of the same kind of error.
- The User Interface – is it easy and clear to use? Is it easy to locate the found issues in the document?
- Performance problems
- Suggestion on future tests to include
- Any other thing that you might think of when using this plug-in.

Send the report to jari.williamsson@mailbox.swipnet.se or post to the Facebook group if you might want to discuss with others.

Part 1 – General Description

JW Validate is a plug-in that can act as a “proof-reader” of the document.

It can point out:

- Musical issues
- Idiomatic issues
- Layout issues
- Engraver issues
- Issues related to the use of Finale
- Things that are set up in a way that you perhaps didn't intend

Please note that *JW Validate* is **NOT** a replacement for actual optical proof-reading by a pair of human eyes. But the plug-in can help you with many issues that could be easy to miss.

Part 2 – Levels

Target Levels

There are 3 different **target levels**. A target level is describing to what “audience” the document should be targeted. Usually, each target level incorporates the checks available for any “lower” target level(s).

Target Level	Description
<i>Beginner</i>	For beginners of music and for music that isn't very detailed. Potential major musical errors will be reported. Only major engraving errors will be reported.
<i>Intermediate</i>	Most musical errors will be reported. Some engraving problems will be reported, but no engraving details.
<i>Professional</i>	All musical and engraving details found that might cause problems will be reported. This can sometimes lead to extremely long lists.

Severity Levels

There are 6 different severity levels for found issues, although they are grouped into 3 categories in the user interface: **Error**, **Warning**, **Detail**.

Severity Level	Description	Display in the user window
<i>ERROR!</i>	An error that absolutely must be corrected.	Errors
<i>Error</i>	An error that should be corrected.	Errors
<i>Alert</i>	An issue that is possibly an error that should be corrected.	Warnings
<i>Warning</i>	A warning that there might be an error here...	Warnings
<i>Remark</i>	Info about something that might be incorrectly set up.	Remarks
<i>Minor Remark</i>	Info for users that really require attention to details.	Remarks

Part 3 – List of Validate Checks

Accidentals

Description	Check starts at target level	Severity Level	How to fix	Auto-fix	Details
Accidental for <pitch> is hidden.	Beginner	ERROR!	Show the accidental using Simple or Speedy Entry.	Instructions only	

Document Structure

Description	Check starts at target level	Severity Level	How to fix	Auto-fix	Details
Part name is a duplicate.	Beginner	Alert	Fix in “Manage Parts”	Instructions only	
Category name is a duplicate.	Beginner	Remark	Rename in “Category Designer” or merge categories.	Instructions only	
Lines for staff, ledger and bar all have identical width.	Professional	Minor Remark	Change line widths in Document Options, based on the engraving style you want to use.	No.	Often, the music can gain clarity if ledger or/and barline widths are different than the staff line width. Different publishing houses use different approaches to this.

Dynamics

Description	Check starts at target level	Severity Level	How to fix	Auto-fix	Details
Hairpin slightly angled.	Professional	Error	Turn on 'Make Horizontal' for the hairpin.	Yes	Slanted hairpins have rather clear angles. If the slant is very small, it's almost certainly a user error (which can easily happen if the document's default Make Horizontal setting isn't set before a creating a new hairpin).
Expression dynamics attached to rest.	Beginner	Alert		No	
Expression dynamic attached to empty layer.	Beginner	Error		No	
Expression dynamic placed to the right of attachment point.	Beginner	Alert		No	Only adjustments to the right larger than 30 EVPUs will be marked as an issue.
Expression dynamic placed very far from attachment point.	Beginner	Error		No	
No entry at expression dynamic.	Beginner	Error		No	An error that can occur if the measures aren't filled.
Left/right side of hairpin creeps into previous/next measure.	Professional	Warning	Move the endpoints of the hairpin into the correct measure.	No	Small partial hairpins that move into another measure can cause artifacts at system breaks.

Idiomatic

Description	Check starts at target level	Severity Level	How to fix	Auto-fix	Details
Staff doesn't contain an	Beginner	Error	Define an instrument for	No.	For idiomatic checks to

instrument. Idiomatic checks will not proceed.			the staff in the Score Manager.		work, the staff must have an assigned instrument. (The staff name isn't important.)
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Layout

Description	Check starts at target level	Severity Level	How to fix	Auto-fix	Details
System resize settings differ.	Intermediate	Remark	Changes system resize settings in Resize Tool.	Yes	
Too tight/loose horiz. contents	Intermediate	“Remark” to “ERROR!” (depending on the stretch/shrink value)	Rearrange measures or use “Fit Music”Instructions only	Instructions only	
System scaling different than page format.	Intermediate	Warning	Change in Page Format dialog box, or apply Page Format to system	Instructions only	
System 1 left differ from page format.	Intermediate	Detail	Change in Page Format dialog box, or apply Page Format to system	Instructions only	
Staff use different resize values across systems.	Beginner	Alert	Resize the staff to the same size from beginning to end.	Instructions only	
Page sizes differ.	Beginner	Alert	Change all pages in a part to the same size.	Only instructions	
System left/right margin is slightly out-of-place.	Professional	Alert	Move the margin to 0.	Yes	When dragging system corners with the Layout Tool, it's easy to move the left/right side a little bit out of place without noticing it at small magnifications.
Unlocked System.	Professional	Alert	Lock measures to the system.	Yes	Measures on unlocked system might move between systems.

Measures

Measure-related tasks, such as measure setup, barlines, time signatures and key signatures.

Description	Check starts at target level	Severity Level	How to fix	Auto-fix	Details
No measure number regions.	Intermediate	Warning	Add a measure number region in the Measure Tool.	No	
No measure number region covers this measure	Beginner	Error	Adjust measure number regions with the Measure Tool.	No	
No final barline exists	Intermediate	Alert	Change in Document Options or put a manual ending barline using the Measure Tool.	Instructions only	

Notes

Description	Check starts at target level	Severity Level	How to fix	Auto-fix	Details
Too many/few entries.	Beginner	ERROR!	Enter the correct amount of notes/rests or change the time signature.	No	
Single grace note with downward stem.	Beginner	Error or warning	Flip the stem direction to up for the grace note.	No	Error in measures with single layer music. Warning for multi-layered measures.

Rests

Description	Check starts at target level	Severity Level	How to fix	Auto-fix	Details
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'Update Automatically' (for MM rests) is ON.	Professional	Warning	Turn OFF 'Update Automatically' in Document Options->Multimeasure Rests.	Yes.	During the layout phase of a document, the 'Update Automatically' setting can cause problems to manually adjusted measure widths.
Multimeasures rests not resized dynamically.	Professional	Warning	Turn OFF 'Update Automatically' for multimeasure rests and resize the rests. The JW Space Empty Rests plug-in can handle the resize automatically.	No.	Multimeasure rests that aren't resized according to how long duration they span, are more difficult to read.

Slurs and Ties

Description	Check starts at target level	Severity Level	How to fix	Auto-fix	Details
Slur is measure-attached.	Intermediate	Remark	Attach slur to notes.	No.	Measure-attached slurs can cause layout problems if note entries are adjusted horizontally.
Duplicate slurs between entries.	Intermediate	Remark	Delete one of the slurs.	No.	Duplicate slurs on identical notes can sometimes be a user error. This is only reported when the direction of the slurs are identical.
Tie and slur share the same span.	Beginner	Error	Delete the slur.	No.	Does not trigger if there are any un-tied notes.
Tie to different pitch.	Beginner	Error	Correct either note.	No.	
Tie to enharmonic pitch.	Intermediate	Minor Remark	Repitch either note.	No.	
Tie to another layer.	Intermediate	Warning	Move notes between layers.	No.	

Text

Description	Check starts at target level	Severity Level	How to fix	Auto-fix	Details
File Info available without text insert.	Intermediate	Remark	Add a text insert to a text block to make it appear in the document.	No.	It might be a user error if there is information in the File Info but no connected text block for the text. It verifies these inserts: title, subtitle, composer, arranger, lyricist, copyright
File Info fields were not used.	Professional	Minor Remark	Enter text in the File Info fields and use text inserts in text blocks.	No.	Using the File Info fields as text inserts can simplify future editing.