

# Note Input Bar Redesign

Tantacrul

# Pain Points Addressed in this Document

- The NOTE INPUT BUTTON requires unnecessary steps when notating, which complicates the first time experience
- There are too many options at the outset
- Customisation is difficult to discover
- Certain icons are hard to read (mainly 'Note input', 'Tie' and 'Flip direction')
- There are some inefficiencies with adding rests

## Out of Scope

- Shortcuts

# Overview

A brief description of visual & layout changes

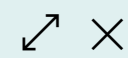


Workspace: Default



+ Customise | 
 Note input | 
 ♪ ♫ ♩ ♪ ♭ ♮ ♯ | 
 . .. | 
 7 | 
 ♯ ♭ ♯ | 
 ♩ ↑ ↓ | 
 3 ∨ | 
 1 2

### Palettes



+ Add more palettes



#### Accidentals

♭ ♮ ♯ × ♭♭ ♭♯ More

#### Clefs

♩ ♭ ♮ More

#### Time signatures

2/4 3/4 4/4 5/4 6/4 3/8 6/8 More

#### Key signatures

♯ ♯♯ ♯♯♯ ♭ ♭♭ ♭♭♭ More

#### Grace notes

♪ ♪ ♪ ♪ More

#### Grace notes

<i>cresc.---</i>	<i>dim.---</i>	1.
2.	2.	8
8		More

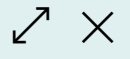
#### Bar lines

|| ||: ||: ||: ||: ||: ||: More

#### Text

Staff Text	Expression	Change Instr.

### Inspector



## Duet no.9

Altered Phrygian Mode

This is the proposed default layout of the Note Input Bar

Workspace: Default

+ Customise | Note input | 
 [Musical icons: eighth, quarter, half, whole, double whole, rest] | 
 [Musical icons: dotted quarter, dotted half] | 
 [Musical icon: 7-measure rest] | 
 [Musical icons: natural, flat, sharp] | 
 [Musical icons: tie, flip direction] | 
 [Musical icon: triplet] | 
 [Dropdown: 1 | 2]

Palettes

+ Add more palettes

Accidentals

Clefs

Time signatures

Key signatures

Grace notes

Grace notes

Bar lines

Text

Staff Text | Expression | Change Instr.

More descriptive Note Input button (New icon TBD)

'Customise' is a button that triggers the existing 'Customise Toolbars' dialog

String Quartet no. 9

Altered Phrygian Mode

*p* ————— *f*

Redesigned icons for 'Tie' and 'Flip direction' (These are not final & 'Flip direction' needs to be tested)

Less cluttered rest icon

A new Tuplet dropdown

Only two voices (more can be accessed from the 'Customise' button on the far left)

\* This particular suggested optimisation should not be done without seeking wider approval

Inspector

# The Note Input Button



Unlike Sibelius, Finale and Dorico, MuseScore requires the user to click a Note Input button before you can actually enter notes. Where the other notation apps have the same concept, they allow the user to immediately enter this mode by clicking on a note duration. In all cases, they do not require the user to ‘get’ the concept of a Note Input Mode. Sibelius has a note input button but it’s not prominently exposed. Dorico has done away with it altogether.

This document proposes to make small changes to the Note Input functionality that seeks to streamline the existing system without discarding functionality that certain users will have become accustomed to. It is recommended that Telemetry be plugged in to record the overall usage of this interface to inform future re-designs.

Customise | Note input | [Musical symbols: eighth, quarter, half, whole, double whole, dotted quarter, dotted half, 7/8, 4/4, 3/4, 2/4, 3/8, 6/8, 9/8, 12/8] | [1] [2]

**Palettes**

+ Add more palettes

▼ Accidentals

▼ Clefs

▼ Time signatures

▼ Key signatures

▼ Grace notes

▼ Grace notes

▼ Bar lines

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

In this example, the user is moving to click on a half Note (there is nothing selected in the score)

Duet no.9

Altered Phrygian Mode

*p* *f* 3

**Inspector**

Doing this automatically selects the NOTE INPUT BUTTON

Workspace: Default

Customise | Note input | [Musical symbols: treble clef, bass clef, whole note, half note, quarter note, eighth note, sixteenth note, dotted quarter, dotted eighth, eighth rest, sixteenth rest, eighth note with accent, eighth note with breath mark, eighth note with hairpin, eighth note with fermata, eighth note with repeat sign, eighth note with trill, eighth note with grace note, eighth note with phrasing slur, eighth note with accent, eighth note with breath mark, eighth note with hairpin, eighth note with fermata, eighth note with repeat sign, eighth note with trill, eighth note with grace note]

**Palettes**

+ Add more palettes

---

▼ Accidentals

b ♮ # × ♭ ♯ More

▼ Clefs

More

▼ Time signatures

More

▼ Key signatures

More

▼ Grace notes

More

▼ Grace notes

cresc.---	dim.---	1.
2.	2.	8
8		More

▼ Bar lines

More

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

Duet no.9

Notice that the first beat in the score has not been selected.  
This will be explained later in this document.

Inspector



Customise | Note input | [Musical symbols: eighth, quarter, half, whole, double whole, rest, fermata] | [Accidentals: flat, natural, sharp] | [Rhythms: dotted, eighth note, triplet] | [Repeat sign] | [Repeat sign]

### Palettes

+ Add more palettes

▼ Accidentals

b ♮ # × ♭ ♯ More

▼ Clefs

More

▼ Time signatures

More

▼ Key signatures

More

▼ Grace notes

More

▼ Grace notes

cresc.---	dim.---	1.
2.	2.	8
8		More

▼ Bar lines

More

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

### Duet no.9

Now, the user moves to select a note.  
The user is not currently in NOTE INPUT MODE

Altered Phrygian Mode

*p* *f* 3

### Inspector

On selecting the note, the appropriate note value also becomes selected

Workspace: Default

+ Customise | 
 Note input | 
 ♪ ♪ ♪ ♪ ♪ ♪ | 
 . .. | 
 7 | 
 b b # | 
 ♪ ↑↓ | 
 3 ∨ | 
 1 2

**Palettes**

+ Add more palettes

---

▼ Accidentals

b ♮ # × ♭ ♯ More

▼ Clefs

🎵 🎸 More

▼ Time signatures

2/4 3/4 4/4 5/4 6/4 3/8 6/8 More

▼ Key signatures

🎵 More

▼ Grace notes

🎵 More

▼ Grace notes

cresc.---	dim.---	1.
2.	2.	8
8		More

▼ Bar lines

🎵 More

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

Duet no.9

**Inspector**

---

Customise | Note input | [Note icons] | [Accidentals] | [Rhythms] | [Repeat] | [1] [2]

### Palettes

+ Add more palettes

▼ Accidentals

▼ Clefs

▼ Time signatures

▼ Key signatures

▼ Grace notes

▼ Grace notes

▼ Bar lines

▼ Text

The user now moves to deselect the note by clicking away on blank area in the score (this can also be done by pressing ESC).

Altered Phrygian Mode

p f 3

Staff 1: Treble clef, 4/4 time, notes with accidentals and dynamics.

Staff 2: Grand staff (treble and bass clefs), 4/4 time, accompaniment.

### Inspector

Doing this also deselects the note value in the top bar.  
This is an important change that will clear the way for  
further NOTE INPUT mode improvements

Workspace: Default +

Customise | Note input | [Note icons] | [Accidentals] | [Rhythms] | [Tuplets] | [1] [2]

Palettes

+ Add more palettes

Accidentals

[b] [b-flat] [#] [\*] [b-double] [b-double-flat] More

Clefs

[Clef icons] More

Time signatures

[Time signature icons] More

Key signatures

[Key signature icons] More

Grace notes

[Grace note icons] More

Grace notes

[Crescendo]	[Decrescendo]	[1.]
[2.]	[2.]	[8]
[8]	[ ]	More

Bar lines

[Bar line icons] More

Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

Inspector

Duet no.9

Altered Phrygian Mode

*p* *f* 3

# Rests

With the previous changes implemented, adding rest can now be much easier

Customise | Note input | [Musical symbols: eighth, quarter, half, whole, double whole, rest] | [Musical symbols: dot, double dot, fermata] | [Musical symbols: flat, natural, sharp] | [Musical symbols: tie, repeat] | [Musical symbols: triplet, repeat] | 1 2

**Palettes**

+ Add more palettes

▼ Accidentals

b ♮ # × ♭ ♯ More

▼ Clefs

More

▼ Time signatures

More

▼ Key signatures

More

▼ Grace notes

More

▼ Grace notes

cresc.---	dim.---	1.
2.	2.	8
8		More

▼ Bar lines

More

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

With nothing selected in the score, the user moves to click on a note

**Inspector**

Customise | Note input | [Musical symbols: eighth, quarter, half, whole, double whole, rest, fermata, repeat, trill, sharp, flat, natural, double sharp, double flat, tie, breath mark, repeat sign, trill sign] | [1] [2]

**Palettes**

+ Add more palettes

▼ Accidentals

b ♯ × bb b More

▼ Clefs

More

▼ Time signatures

More

▼ Key signatures

More

▼ Grace notes

More

▼ Grace notes

cresc.---	dim.---	1.
2.	2.	8
8		More

▼ Bar lines

More

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

Duet no.9

Altered Phrygian Mode

Inspector

With a note selected in the score, the user now moves to click on the 'rest' button

Customise | Note input | [Musical symbols: eighth, quarter, half, whole notes, rests, accidentals, dynamics, articulation, ornaments, repeat signs] | [1] [2]

**Palettes**

+ Add more palettes

▼ Accidentals

b ♮ # × ♭ ♯ More

▼ Clefs

More

▼ Time signatures

More

▼ Key signatures

More

▼ Grace notes

More

▼ Grace notes

<i>cresc.---</i>	<i>dim.---</i>	1.
2.	2.	8
8		More

▼ Bar lines

More

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

Duet no.9

The note is changed to a rest

Altered Phrygian Mode



Customise | Note input | [Musical symbols: eighth, quarter, half, whole notes, rests, accidentals, dynamics, articulation, ornaments, repeat signs] | [1] [2]

### Palettes

+ Add more palettes

- Accidentals: ♭, ♮, ♯, ×, ♭♭, ♯♯, More
- Clefs: Treble, Bass, Alto, Tenor, More
- Time signatures: 2/4, 3/4, 4/4, 5/4, 6/4, 3/8, 6/8, More
- Key signatures: Major, Minor, More
- Grace notes: [Grace note symbols], More
- Grace notes: [Crescendo, Diminuendo, First ending, Second ending, Repeat sign], More
- Bar lines: [Various bar line symbols], More
- Text: Staff Text, Expression, Change Instr.

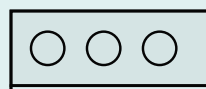
The user now moves to deselect the rest by clicking on a blank space on the score (or pressing ESC)

Altered Phrygian Mode

*p* *f* 3

The image shows a musical score in 4/4 time. The top staff is a treble clef with a melodic line. The bottom staff is a grand staff with piano accompaniment. A mouse cursor is positioned over a blank space above the score. A black text box with white text explains the action: 'The user now moves to deselect the rest by clicking on a blank space on the score (or pressing ESC)'. The score includes dynamic markings *p* and *f*, and a triplet of eighth notes.

### Inspector



Workspace: Default +

+ Customise | Note input v | 
 | 
 . .. | 
 | 
 | 
 | 
 | 
 1 2

**Palettes** ↗ ✕

+ Add more palettes 🔍

---

▼ Accidentals ...

More

▼ Clefs ...

More

▼ Time signatures ...

More

▼ Key signatures ...

More

▼ Grace notes ...

More

▼ Grace notes ...

<i>cresc...</i>	<i>dim....</i>	1.
2.	2.	8
8		More

▼ Bar lines ...

More

▼ Text ...

Staff Text	Expression	Change Instr.

Notice that both buttons in the top bar have also been deselected

Duet no.9

Inspector ↗ ✕

Customise | Note input | [Note icons] | [Rest icons] | [Accidentals] | [Dynamics] | [Repeat] | [1] [2]

**Palettes**

+ Add more palettes

▼ Accidentals

▼ Clefs

▼ Time signatures

▼ Key signatures

▼ Grace notes

▼ Grace notes

cresc.---	dim.---	1.
2.	2.	8
8		More

▼ Bar lines

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

If the user clicks back on the rest again, the note duration and rest buttons will become highlighted

Duet no.9

The image shows a musical score for 'Duet no.9' in 4/4 time. The top staff is a treble clef with a melody labeled 'Altered Phrygian Mode'. It starts with a piano (*p*) dynamic and a half note, followed by a crescendo to a forte (*f*) dynamic. A mouse cursor is hovering over a pink rest icon in the second measure. The bottom two staves are a grand staff (treble and bass clefs) with block chords. A '3' indicates a triplet in the second measure of the treble staff.

**Inspector**

# Rests (Continued)

Additional improvements

Customise | Note input | [Musical symbols: eighth, quarter, half, whole, double whole, rest, fermata] | [Accidentals: flat, sharp, natural] | [Rhythmic symbols: triplet, repeat] | [Repeat buttons: 1, 2]

**Palettes**

+ Add more palettes

▼ Accidentals

▼ Clefs

▼ Time signatures

▼ Key signatures

▼ Grace notes

▼ Grace notes

cresc.---	dim.---	1.
2.	2.	8
8		More

▼ Bar lines

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

With nothing selected in the score, the user moves to click on the rest button

### Duet no.9

Altered Phrygian Mode

By doing this, the user has triggered NOTE INPUT MODE.  
When a note value isn't already selected, the quarter note is chosen by default

Workspace: Default +

Toolbar containing icons for note input, rests, accidentals, and other musical symbols.

Palettes sidebar with categories: Accidentals, Clefs, Time signatures, Key signatures, Grace notes, Bar lines, and Text.

Rests can now be applied as normal

Musical score for 'Duet no.9' showing a melody in the upper staff and accompaniment in the lower staff.

Inspector

# Augmentation Dots

These can also now also trigger **NOTE INPUT MODE**

Customise | Note input | [Musical symbols: eighth, quarter, half, whole, double whole, rest] | [Augmentation dot] [Augmentation dot] | [7/8] | [Accidentals: flat, natural, sharp] | [Bowings: up, down] | [Ternary] | [Repeat] | 1 2

**Palettes**

+ Add more palettes

▼ Accidentals

b ♮ # × ♭ ♯ More

▼ Clefs

More

▼ Time signatures

More

▼ Key signatures

More

▼ Grace notes

More

▼ Grace notes

cresc.---	dim.---	1.
2.	2.	8
8		More

▼ Bar lines

More

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

With nothing selected in the score, the user moves to click on an augmentation dot

### Duet no.9

Altered Phrygian Mode



By doing this, the user has triggered NOTE INPUT MODE.  
When a note value isn't already selected, the quarter note is chosen by default

Workspace: Default +

+ Customise | Note input | [Note icons] | [Accidentals] | [Rhythms] | [Repeat] | [1] [2]

Palettes

+ Add more palettes

▼ Accidentals

▼ Clefs

▼ Time signatures

▼ Key signatures

▼ Grace notes

▼ Grace notes

▼ Bar lines

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

Duet no.9

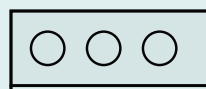
Altered Phrygian Mode

*p* *f* 3

Inspector

# Accidentals

Some small improvements to allow for corrections



Workspace: Default +

+ Customise | Note input v | 
 | 
 . .. | 
 | 
 | 
 | 
 1 2

**Palettes** ↗ ×

+ Add more palettes 🔍

---

▼ Accidentals ...

b ♮ # × ♭ ♯ More

▼ Clefs ...

More

▼ Time signatures ...

More

▼ Key signatures ...

More

▼ Grace notes ...

More

▼ Grace notes ...

<i>cresc...</i>	<i>dim....</i>	1.
2.	2.	8
8		More

▼ Bar lines ...

More

▼ Text ...

Staff Text	<i>Expression</i>	<b>Change Instr.</b>

Inspector ↗ ×

The user now moves to select a note that has a flat accidental

Altered Phrygian Mode

*p* *f* 3

Customise | Note input | [Note icons] | [Accidentals: flat, sharp] | [Rhythms: eighth, quarter, half, whole] | [Tuplets: 3] | [Repeat: 1, 2]

**Palettes**

+ Add more palettes

▼ Accidentals

b ♮ # × bb b More

▼ Clefs

More

▼ Time signatures

More

▼ Key signatures

More

▼ Grace notes

More

▼ Grace notes

cresc.---	dim.---	1.
2.	2.	8
8		More

▼ Bar lines

More

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

The flat accidental is now highlighted

Duet no.9

**Inspector**

Customise | Note input | [Note icons] | [Accidental icons: flat, sharp] | [Other icons] | [1] [2]

**Palettes**

+ Add more palettes

▼ Accidentals

b ♮ # × ♭ ♯ More

▼ Clefs

More

▼ Time signatures

More

▼ Key signatures

More

▼ Grace notes

More

▼ Grace notes

cresc.---	dim.---	1.
2.	2.	8
8		More

▼ Bar lines

More

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

If the user clicks on the flat accidental now...

Duet no.9

Altered Phrygian Mode

**Inspector**

Customise | Note input | [Note icons] | [Accidentals: b, b, #] | [Rhythms: ., .., 7/8] | [Tuplets: 3] | [Repeat: 1, 2]

**Palettes**

+ Add more palettes

▼ Accidentals

b b# x bb bb More

▼ Clefs

More

▼ Time signatures

More

▼ Key signatures

More

▼ Grace notes

More

▼ Grace notes

<i>cresc.---</i>	<i>dim.---</i>	1.
2.	2.	8
8		More

▼ Bar lines

More

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

Duet no.9

It is removed from the selected note

Altered Phrygian Mode



Customise | Note input | [Note icons] | [Accidental icons] | [Rhythm icons] | [Repeat icons]

### Palettes

+ Add more palettes

- Accidentals: ♭, ♮, #, ×, ♮, ♭, More
- Clefs: Treble, Bass, Alto, More
- Time signatures: 2/4, 3/4, 4/4, 5/4, 6/4, 3/8, 6/8, More
- Key signatures: #, #, #, #, ♭, ♭, ♭, More
- Grace notes: [Grace note icons], More
- Grace notes: [Grace note icons], More
- Bar lines: [Bar line icons], More
- Text: Staff Text, Expression, Change Instr.

The flat accidental is still highlighted

In this example, the user has selected multiple notes - all of which have flat accidentals

Altered Phrygian Mode



Customise | Note input | [Note icons] | [Accidental icons: b, #] | [Tuplet icon] | [Repeat icon] | [Tuplet numbers: 1, 2]

**Palettes**

+ Add more palettes

▼ Accidentals

b b# # x bb bb More

▼ Clefs

More

▼ Time signatures

More

▼ Key signatures

More

▼ Grace notes

More

▼ Grace notes

cresc.---	dim.---	1.
2.	2.	8
8		More

▼ Bar lines

More

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

Clicking the flat accidental button at this point causes all selected accidentals to be removed

Duet no.9

Altered Phrygian Mode

+ Customise | 
 Note input | 
 ♪ ♩ ♪ ♫ ♮ ♯ ♭ | 
 . .. | 
 7 | 
 ♯ ♭ ♮ | 
 ↕ ↕ | 
 3 ∨ | 
 1 2

**Palettes**

+ Add more palettes

---

▼ Accidentals

♭ ♮ ♯ × ♮♯ ♮♭ More

▼ Clefs

🎵 🎸 More

▼ Time signatures

2/4 3/4 4/4 5/4 6/4 3/8 6/8 More

▼ Key signatures

♯ ♯♯ ♮ ♭ ♭♭ More

▼ Grace notes

♪♪♪♪ More

▼ Grace notes

<i>cresc...</i>	<i>dim....</i>	1.
2.	2.	8
8		More

▼ Bar lines

||: ||: ||: ||: ||: More

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

If multiple notes are selected which have dissimilar accidentals, then no accidental is highlighted in the top bar

Example of dissimilarities:  
 One note with an accidental / one without;  
 One note with a natural accidental / one with a flat, etc.

Customise | Note input | [Note icons] | [Accidental icons: b, #] | [Other icons] | [1] [2]

**Palettes**

+ Add more palettes

▼ Accidentals

b b# # x bb bb More

▼ Clefs

More

▼ Time signatures

More

▼ Key signatures

More

▼ Grace notes

More

▼ Grace notes

cresc.---	dim.---	1.
2.	2.	8
8		More

▼ Bar lines

More

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

If the user clicked on the flat accidental button again...

Duet no.9

**Inspector**

Customise | Note input | [Musical symbols: eighth, quarter, half, whole notes, rests, accidentals, ornaments, articulation, dynamics, ornaments, repeat, first/second endings]

**Palettes**

+ Add more palettes

▼ Accidentals

b ♯ × bb b More

▼ Clefs

More

▼ Time signatures

More

▼ Key signatures

More

▼ Grace notes

More

▼ Grace notes

cresc.---	dim.---	1.
2.	2.	8
8		More

▼ Bar lines

More

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

Duet no.9

Flat accidentals would apply to both notes and the accidental button in the top bar would now remain highlighted

**Inspector**

Customise | Note input | [Note icons] | [Accidental icons: flat, sharp] | [Other icons] | [1] [2]

**Palettes**

+ Add more palettes

▼ Accidentals

b ♯ × bb b More

▼ Clefs

More

▼ Time signatures

More

▼ Key signatures

More

▼ Grace notes

More

▼ Grace notes

cresc.---	dim.---	1.
2.	2.	8
8		More

▼ Bar lines

More

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

Now, if the user clicked on the flat accidental button one more time...

Duet no.9

**Inspector**

Customise | Note input | [Note icons] | [Accidentals: b, #] | [Rhythms: 7, 3] | [Repeat: 1, 2]

### Palettes

+ Add more palettes

- Accidentals: b, #, x, bb, bb More
- Clefs: [Clef icons] More
- Time signatures: [Time sig icons] More
- Key signatures: [Key sig icons] More
- Grace notes: [Grace note icons] More
- Grace notes: [Crescendo, Diminuendo, Repeat icons] More
- Bar lines: [Bar line icons] More
- Text: Staff Text, Expression, Change Instr.

Inspector

### Duet no.9

The flat accidentals would be removed from both notes

Altered Phrygian Mode

*p* *f* 3

# Accidentals Continued

Triggering NOTE INPUT MODE

Customise | Note input | [Musical symbols: eighth, quarter, half, whole, double whole, rest, repeat, fermata] | [Accidentals: natural, flat, sharp] | [Ties, Phrasing slurs] | [Repeat sign]

**Palettes**

+ Add more palettes

▼ Accidentals

b ♮ # × bb b̄ More

▼ Clefs

More

▼ Time signatures

More

▼ Key signatures

More

▼ Grace notes

More

▼ Grace notes

cresc.---	dim.---	1.
2.	2.	8
8		More

▼ Bar lines

More

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

With nothing selected in the score, the user moves to click on an accidental button

### Duet no.9

Altered Phrygian Mode



By doing this, the user has triggered NOTE INPUT MODE.  
When a note value isn't already selected, the quarter note is chosen by default

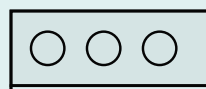
Workspace: Default +

Toolbar containing icons for note input, rests, accidentals, and other musical symbols. A mouse cursor is pointing at the sharp sign (#) icon.

Palettes sidebar with sections: Accidentals, Clefs, Time signatures, Key signatures, Grace notes, Bar lines, and Text. Includes an 'Add more palettes' button and search icon.

Inspector sidebar with a search icon and a close button.

Musical score titled "Duet no.9" in 4/4 time. The score features an "Altered Phrygian Mode" in the treble clef and a piano accompaniment in the bass clef. Dynamics include *p* and *f*. A triplet of eighth notes is marked with a '3'. The score is currently in Note Input Mode.



Workspace: Default +

+ Customise | 
 Note input | 
 [Musical symbols: eighth, quarter, half, whole notes, rests, beams, ties, slurs, triplets, accidentals, dynamics, articulation] | 
 [1] [2]

**Palettes** [Close]

+ Add more palettes [Search]

---

▼ Accidentals ...

[b] [#] [x] [bb] [bb] More

▼ Clefs ...

[Clef icons] More

▼ Time signatures ...

[Time signature icons] More

▼ Key signatures ...

[Key signature icons] More

▼ Grace notes ...

[Grace note icons] More

▼ Grace notes ...

[Crescendo]	[Diminuendo]	[Hairpins]
cresc.---	dim.---	1.
2.	2.	8
8	[Bar line]	More

▼ Bar lines ...

[Bar line icons] More

▼ Text ...

Staff Text	Expression	Change Instr.
------------	------------	---------------

Once the note has been placed, the accidental switches off

### Duet no.9

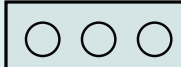
Altered Phrygian Mode

The score shows a melody in 4/4 time with dynamics *p* and *f*, and a piano accompaniment. A mouse cursor is hovering over a sharp accidental on a note in the melody.

Inspector [Close]

# Default Note Input Mode

The default NOTE INPUT MODE automatically selects the first bar of a composition when you trigger it. This creates some unusual points of confusion with the interface. For example, a user can select a half note as the desired duration and then click on the NOTE INPUT BUTTON to begin writing. However, because this now requires the first bar to be selected, if the first beat of that bar is actually a quarter note, the original choice of a half note will be overridden. This is a hidden consequence of the existing system. Again, this requires the user to 'get' the complicated idea of a NOTE INPUT MODE. Ultimately, this concept can be removed altogether but for this first design, I'm recommending that we simply reduce its importance.



Workspace: Default



+ Customise

Note input



Palettes

+ Add more

In this example, the user moves to select the NOTE INPUT BUTTON

▼ Accidental

					More
--	--	--	--	--	------

▼ Clefs

				More
--	--	--	--	------

▼ Time signatures

							More
--	--	--	--	--	--	--	------

▼ Key signatures

														More
--	--	--	--	--	--	--	--	--	--	--	--	--	--	------

▼ Grace notes

				More
--	--	--	--	------

▼ Grace notes

<i>cresc...</i>	<i>dim....</i>	1.
2.	2.	8
8		More

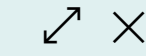
▼ Bar lines

						More
--	--	--	--	--	--	------

▼ Text

Staff Text	<i>Expression</i>	<b>Change Instr.</b>
------------	-------------------	----------------------

Inspector



### Duet no.9

Altered Phrygian Mode

If no other duration is selected, a quarter note is selected by default

Workspace: Default +

+ Customise | 
 Note input | 
 [Musical symbols: eighth, quarter, half, whole, double whole, dotted quarter, dotted half, 7/8, 4/4, 3/4, 2/4, 3/2, 3/4, 3/8, 3/16] | 
 [Dynamic symbols: *p*, *f*] | 
 [Tempo symbols: ♩, ♪, ♫, ♬] | 
 [Rhythm symbols: 3, 2]

Palettes

+ Add more palettes

Accidentals

b ♮ # × ♭ ♮ More

Clefs

♩ ♭ ♮ More

Time signatures

2/4 3/4 4/4 5/4 6/4 3/8 6/8 More

Key signatures

♯ ♯ ♯ ♭ ♭ ♭ More

Grace notes

♪ ♪ ♪ ♪ More

Grace notes

<i>cresc...</i>	<i>dim...</i>	1.
2.	2.	8
8		More

Bar lines

|| ||: ||: ||: ||: ||: More

Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

At this moment, nothing is highlighted in the score.

Altered Phrygian Mode

Inspector ↗ ✕

Customise | Note input | [Musical symbols: eighth, quarter, half, whole notes, rests, accidentals, dynamics, articulation, ornaments, repeat signs] | 1 2

### Palettes

+ Add more palettes

- Accidentals: ♭, ♮, ♯, ×, ♮, ♭, ♭, More
- Clefs: Treble, Bass, Alto, Tenor, More
- Time signatures: 2/4, 3/4, 4/4, 5/4, 6/4, 3/8, 6/8, More
- Key signatures: Major, Minor, More
- Grace notes: [Grace note symbols], More
- Grace notes: [Grace note symbols], More
- Bar lines: [Bar line symbols], More
- Text: Staff Text, Expression, Change Instr.

### Inspector

Altered Phrygian Mode

Customise | Note input | [Musical symbols: eighth, quarter, half, whole notes, rests, accidentals, dynamics, articulation, ornaments] | [1] [2]

### Palettes

+ Add more palettes

- Accidentals: ♭, ♮, ♯, ×, ♭♭, ♭♯, More
- Clefs: Treble, Bass, Alto, More
- Time signatures: 2/4, 3/4, 4/4, 5/4, 6/4, 3/8, 6/8, More
- Key signatures: Major, Minor, More
- Grace notes: [Grace note symbols], More
- Grace notes: 

<i>cresc.---</i>	<i>dim.---</i>	1.
2.	2.	8
8		More
- Bar lines: [Bar line symbols], More
- Text: Staff Text, Expression, Change Instr.

### Inspector

Once the user places the note, the next beat becomes highlighted. This alternative method of determining where to place the highlight is less confusing and more likely to reflect the user's area of focus

Altered Phrygian Mode

# Tuplets

Additional UI Interface



Customise | Note input | [Musical symbols: eighth, quarter, half, whole, double whole, rest] | [Musical symbols: dot, double dot, 7/8, 4/4, 3/4, 2/4] | [Musical symbols: sharp, flat, natural] | [Musical symbols: beamed eighth notes, eighth notes, quarter notes] | [Musical symbols: triplet bracket, down arrow] | [1] [2]

**Palettes**

+ Add more palettes

▼ Accidentals

b ♯ × bb b More

▼ Clefs

More

▼ Time signatures

More

▼ Key signatures

More

▼ Grace notes

More

▼ Grace notes

cresc.---	dim.---	1.
2.	2.	8
8		More

▼ Bar lines

More

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

Duet no.

Altered Phrygian Mode

*p* *f* 3

This interface is a visual representation of the options provided in the main menu: 'Add/Tuplets/'.

Apart from this, it also contains some additional functionality tweaks (described later in this document)

In this example, the user is about to select a triplet

**Inspector**

NOTE INPUT is automatically switched on, and a quarter note has been defaulted to

Workspace: Default +

+ Customise | 
 Note input | 
 [Musical icons: eighth, quarter, half, whole notes, rests, accidentals, ornaments, etc.] | 
 [Triplet icon: 3 notes in a bracket] | 
 [1] [2]

Palettes

+ Add more palettes

Accidentals

b ♯ × ♭ ♮ More

Clefs

More

Time signatures

More

Key signatures

More

Grace notes

More

Grace notes

<i>cresc...</i>	<i>dim....</i>	1.
2.	2.	8
8		More

Bar lines

More

Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

In this example, the user has selected a triplet

Duet no.9

Inspector

The user changes the duration to an eighth note

Workspace: Default



+ Customise | 
 Note input | 
 | 
 | 
 | 
 | 
 | 
 1 2

Palettes

+ Add more palettes

Accidentals

More

Clefs

More

Time signatures

More

Key signatures

More

Grace notes

More

Grace notes

<i>cresc.---</i>	<i>dim.---</i>	1.
2.	2.	8
8		More

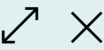
Bar lines

More

Text

Staff Text	Expression	Change Instr.

Inspector



Duet no.9

Altered Phrygian Mode

Customise | Note input | [Musical symbols: eighth, quarter, half, whole, double whole, rest, repeat, fermata, dynamic, articulation, phrasing, breath, hairpin, repeat sign, first ending, second ending] | [Tuplet: 3] | [1] [2]

**Palettes**

+ Add more palettes

▼ Accidentals

b ♯ × bb b More

▼ Clefs

More

▼ Time signatures

More

▼ Key signatures

More

▼ Grace notes

More

▼ Grace notes

<i>cresc.---</i>	<i>dim.---</i>	1.
2.	2.	8
8		More

▼ Bar lines

More

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

Duet no.9

**Inspector**

After placement, the tuplet dropdown becomes de-selected

Workspace: Default



+ Customise | 
 Note input | 
 [Musical symbols: eighth, quarter, half, whole, double whole, rest, fermata, repeat, first ending, second ending, repeat sign] | 
 [Tuplet dropdown: 3, 2] | 
 [1] [2]

Palettes

+ Add more palettes

Accidentals

$b$ 
  $\flat$ 
  $\sharp$ 
  $\times$ 
  $\flat\flat$ 
  $\flat\sharp$ 
More

Clefs

More

Time signatures

More

Key signatures

More

Grace notes

More

Grace notes

<i>cresc.---</i>	<i>dim.---</i>	1.
		8
2.	2.	8
8		More

Bar lines

More

Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

Inspector

Duet no.9

Altered Phrygian Mode

Once placed, it erases any other notes covering the same duration in the same voice

Customise | Note input | [Musical symbols: eighth, quarter, half, whole, double whole, rest, repeat, fermata, trill, bend, dynamic, articulation, phrasing] | [1] [2]

**Palettes**

+ Add more palettes

▼ Accidentals

b ♮ # × ♭ ♯ More

▼ Clefs

More

▼ Time signatures

More

▼ Key signatures

More

▼ Grace notes

More

▼ Grace notes

<i>cresc...</i>	<i>dim...</i>	1.
2.	2.	8
8		More

▼ Bar lines

More

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

Duet no.9

In this example, the user has selected a whole note. NOTE INPUT MODE is not currently enabled

Customise | Note input | [Musical symbols: eighth, quarter, half, whole, double whole, rest, repeat, fermata, trill, bend, natural, sharp, flat, double sharp, double flat, tie, breath mark] | [Tuplet symbols: 3, 2] | 1 2

**Palettes**

+ Add more palettes

▼ Accidentals

▼ Clefs

▼ Time signatures

▼ Key signatures

▼ Grace notes

▼ Grace notes

cresc.---	dim.---	1.
2.	2.	8
8		More

▼ Bar lines

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

Duet no.9

Altered Phrygian Mode

The user moves to the tuplet dropdown

**Inspector**

Customise | Note input | [Musical symbols: eighth, quarter, half, whole, double whole, rest, repeat, fermata, key signature, accidentals, dynamics, articulation] | [3] [v] [1] [2]

**Palettes**

+ Add more palettes

▼ Accidentals

b ♯ × ♭ ♮ More

▼ Clefs

More

▼ Time signatures

More

▼ Key signatures

More

▼ Grace notes

More

▼ Grace notes

<i>cresc.---</i>	<i>dim.---</i>	1.
2.	2.	8
8		More

▼ Bar lines

More

▼ Text

Staff Text	Expression	Change Instr.
------------	------------	---------------

Duet no.9

Altered Phrygian Mode

2 Dup CMD2

3 Triplet CMD3

4 Quadruplet CMD4

5 Quintuplet CMD5

6 Sextuplet CMD6

7 Septuplet CMD7

8 Octuplet CMD8

9 Nontuplet CMD9

? Other CMD0





The user moves to select the Triplet option

Workspace: Default



+ Customise | 
 Note input | 
 [Musical symbols: eighth, quarter, half, whole notes, rests, accidentals] | 
 [Musical symbols: repeat, first ending, second ending] | 
 [Musical symbols: dynamic markings, articulation] | 
 [3] [v] | 
 [1] [2]

Palettes

+ Add more palettes

Accidentals

[b] [b#] [#] [\*] [bb] [bb#] More

Clefs

More

Time signatures

More

Key signatures

More

Grace notes

More

Grace notes

<i>cresc...</i>	<i>dim....</i>	<b>1.</b>
		<b>8</b>
<b>2.</b>	<b>2.</b>	<b>8</b>
<b>8</b>		More

Bar lines

More

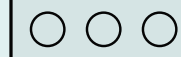
Text

Staff Text	Expression	Change Instr.

Duet no.9

- [2] Duplet CMD2
- [3] Triplet CMD3
- [4] Quadruplet CMD4
- [5] Quintuplet CMD5
- [6] Sextuplet CMD6
- [7] Septuplet CMD7
- [8] Octuplet CMD8
- [9] Nontuplet CMD9
- [?] Other CMD0

Inspector



The note value updates accordingly

When the tuplet is applied, it is deselected

Workspace: Default



+ Customise | 
 Note input | 
 | 
 | 
 | 
 | 
 1 2

Palettes

+ Add more palettes

Accidentals

More

Clefs

More

Time signatures

More

Key signatures

More

Grace notes

More

Grace notes

<i>cresc.---</i>	<i>dim.---</i>	1.
2.	2.	8
8		More

Bar lines

More

Text

Staff Text	Expression	Change Instr.

Inspector

Duet no.9

# Tuplets

Error states when tuplets can not be applied

Customise | Note input | [Musical symbols: eighth, quarter, half, whole, double whole, rest, fermata, repeat, first ending, second ending, key signature, dynamics, articulation, triplet, repeat sign] | 1 2

Palettes  
+ Add more palettes

The user has selected a quarter note along with a triplet

Accidentals  
[b, #, x, bb, bb] More

Clefs  
[Treble, Bass, Alto, Tenor] More

Time signatures  
[2/4, 3/4, 4/4, 5/4, 6/4, 3/8, 6/8] More

Key signatures  
[#, #, #, #, b, b, b] More

Grace notes  
[Musical symbols for grace notes] More

Grace notes  
[Musical symbols for dynamics and articulation: cresc., dim., 1., 2., 8., More]

Bar lines  
[Musical symbols for bar lines] More

Text  
Staff Text | Expression | Change Instr.

Inspector

In this example, the user is rolling over an area in the score, which currently does not support the placement of a quarter note triplet. Due to this, the UI updates to communicate that this is an unsupported action

NOTE:  
If the user still attempts to place the triplet in the score, an error message dialog should be triggered. This dialog should have the option 'Don't show me this again'

Thanks!