

Julius: A Web Interface for Realtime Collaborative and Scriptable MEI Document Editing

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Julius is part of



- GUI components for music document editing on the Web
- Built with React and NuclearJS
- Under active development

Design Approach

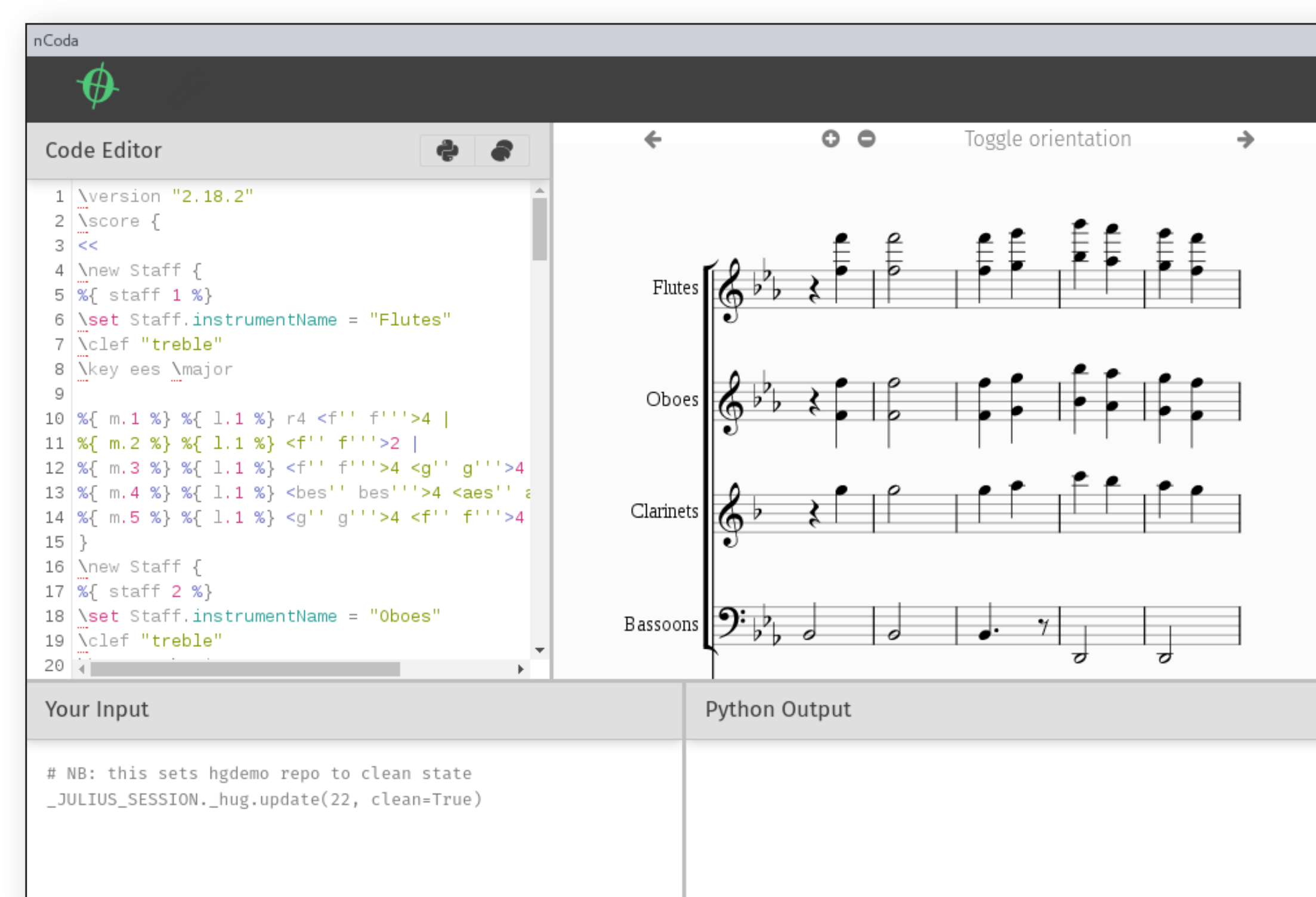
- Explore multimodal interaction (combine aural, textual, visual)
- Enable collaborative workflows
- Balance musical semantics – pattern creation and analysis – with typographic details

Modular Backend

- Connects to nCoda's *Lychee* via WebSocket by default
- *Julius* receives data in JSON; stores in *ImmutableJS*
- WebSocket module can be replaced or modified to connect anywhere

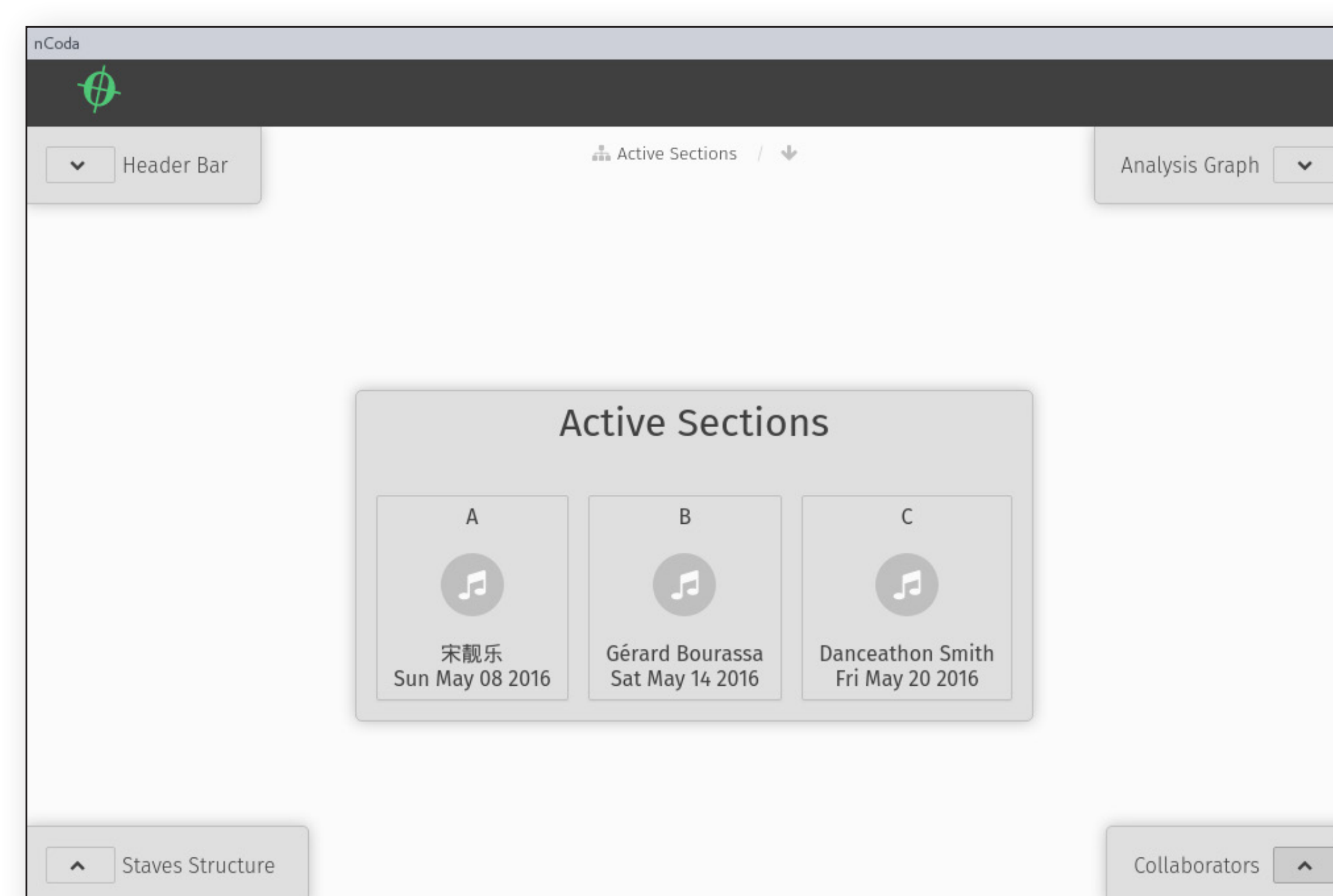
CodeScoreView

Simultaneous textual and visual representations. Change one, the other updates nearly instantly via *Lychee*.



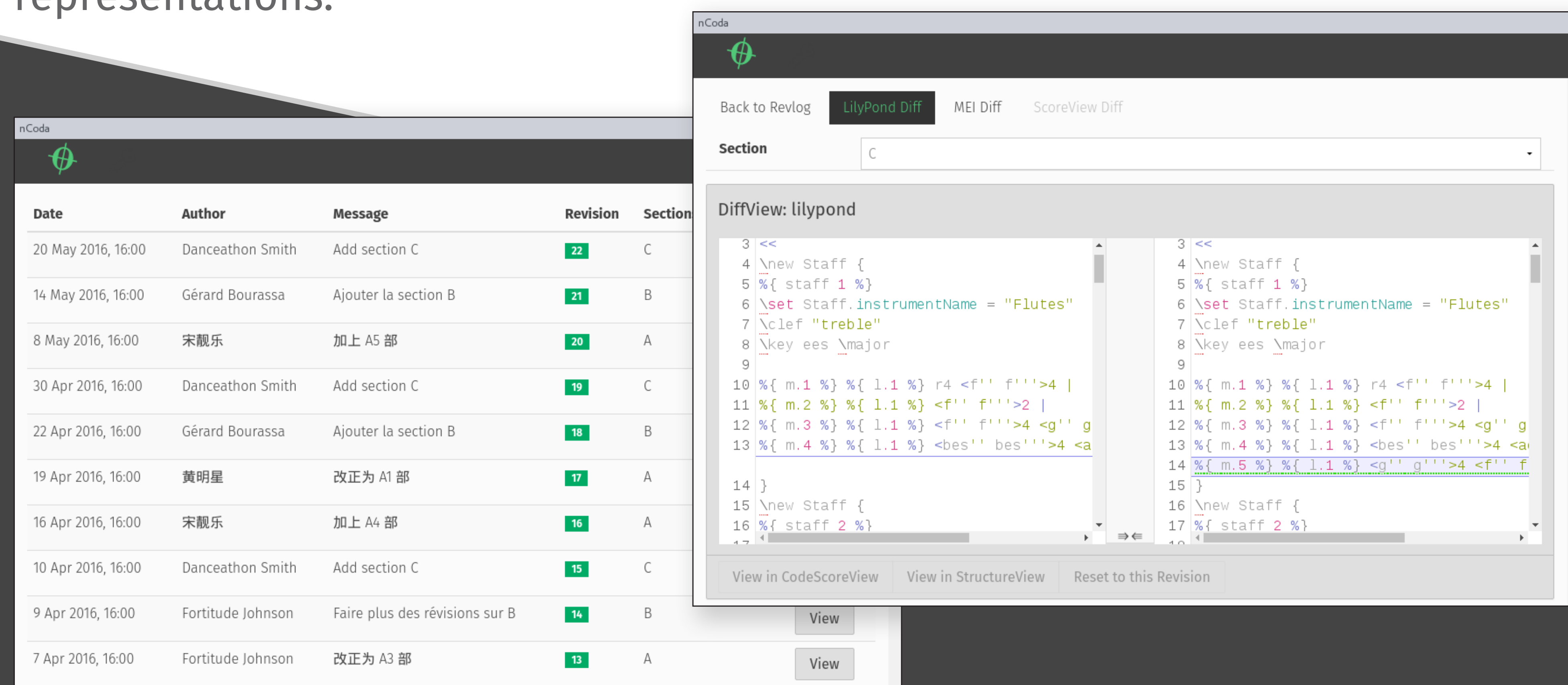
StructureView

View and manipulate hierarchic formal sections. Related information in corner menus that update as you move through the hierarchy.



RevisionsView

Browse your collaborators's contributions. View changes in textual or visual representations.



For more information,
please visit

julius.ncodamusic.org or
github.com/ncoda/julius