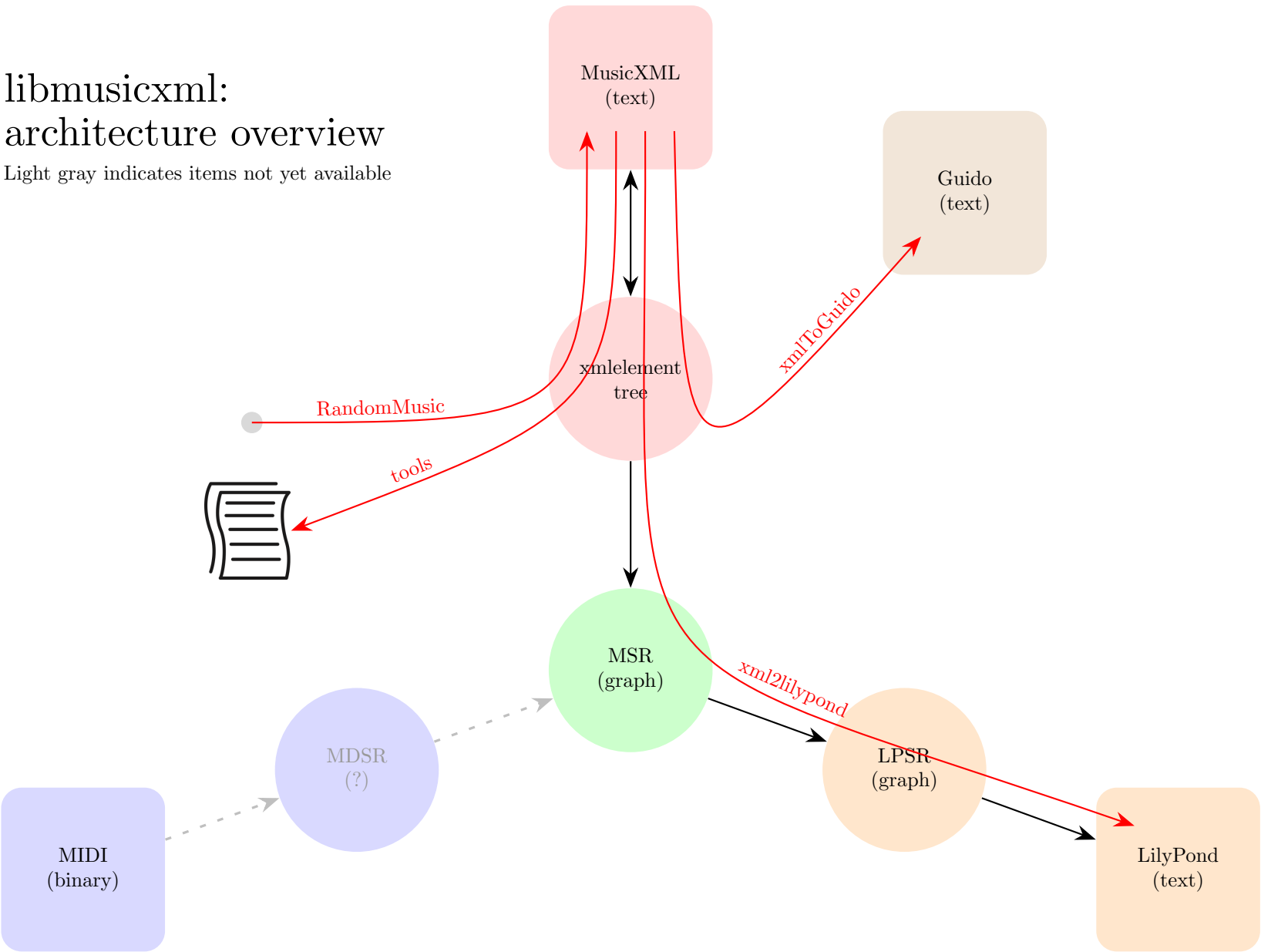


# libmusicxml: architecture overview

Light gray indicates items not yet available



Entity	Description
xmlelement tree	a tree representing the MusicXML markups such as <code>&lt;part-list&gt;</code> , <code>&lt;time&gt;</code> and <code>&lt;note&gt;</code>
MSR	Music Score Representation, in terms of part groups, parts, staves, voices, notes, ...
LPSR	LilyPond Score Representation, i.e. MSR plus data representing the <code>\score</code> block
MDSR	MIDI Score Representation, to be designed
RandomMusic	generates an xmlelement tree containing random music and writes it as MusicXML
tools	a set of other demo programs such as countnotes and partsummary, showing the use of the library
xml2lilypond	performs the 4 hops from MusicXML to LilyPond

• Note: LilyPond can generate MIDI files from its input