Proposal to create open source OpenType tables for modern Mongolian

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Complex orthography

Imperfect encoding model

Font inconsistencies

Interchange difficulties

User frustration

Decreasing user interest



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We are working together to address these issues. In this presentation I want to make a suggestion to help with fonts.

Complex orthography

Imperfect encoding model

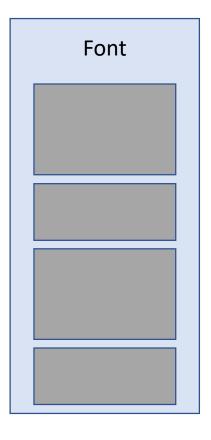
Font inconsistencies

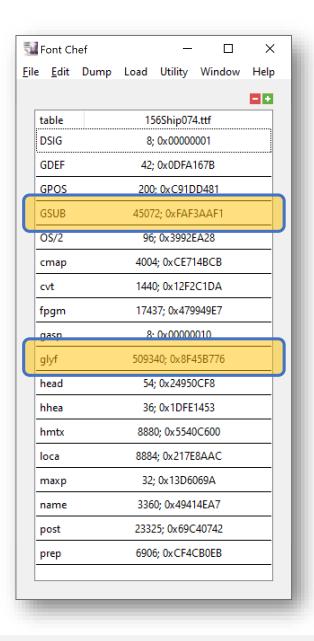
Interchange difficulties

User frustration

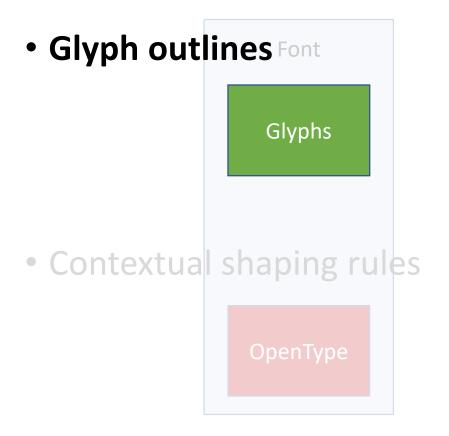
Decreasing user interest

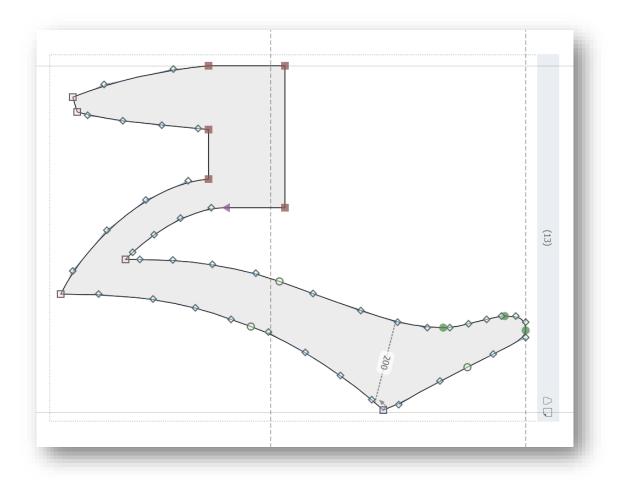
We are working together to address these issues. In this presentation I want to make a suggestion to help with fonts.





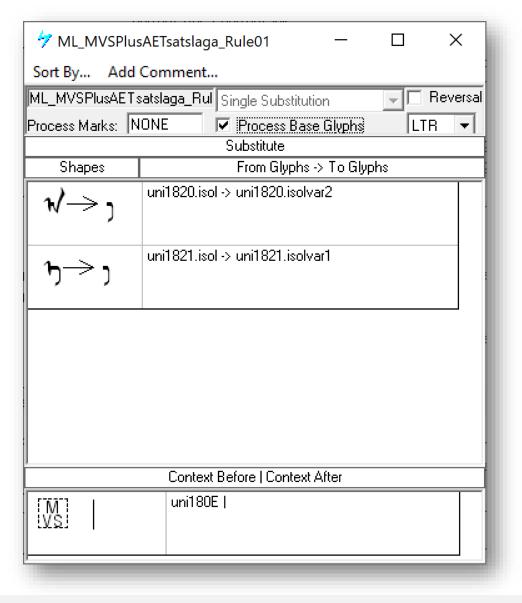
A font is a collection of data tables.





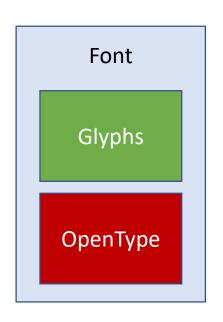
The most important table is the glyph table which contains definitions of the glyph shapes.

Glyph outlines Font
Glyphs
Contextual shaping rules



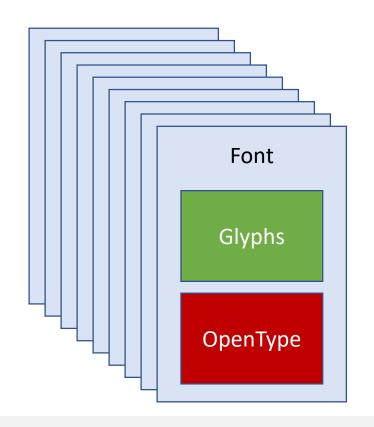
For a complex script such as Mongolian, the OpenType substitution table is also essential.

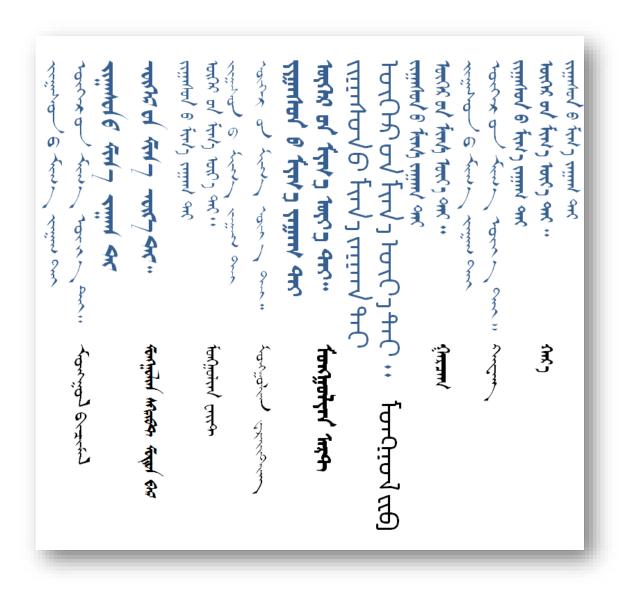
OpenType





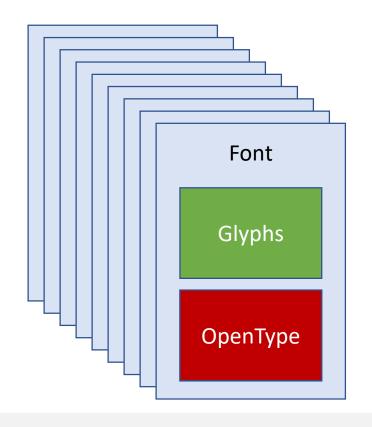
Font variety

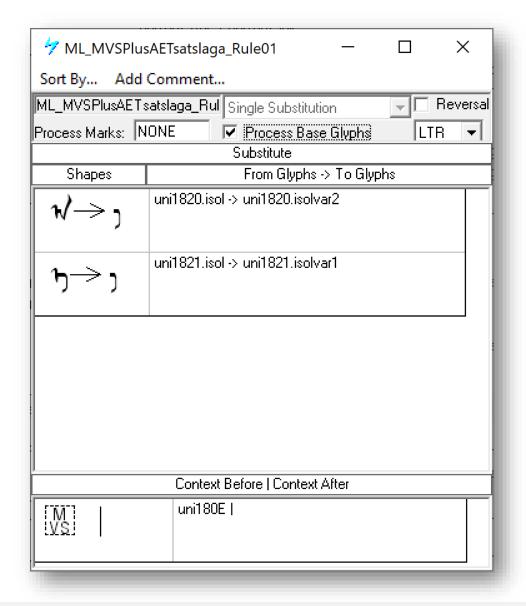




Users want to have a wide selection of fonts for different purposes. Variety amounts to having different glyphs.

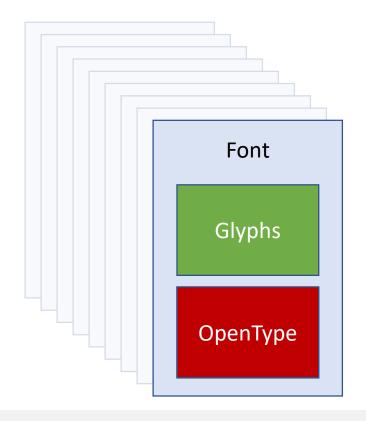
Common shaping

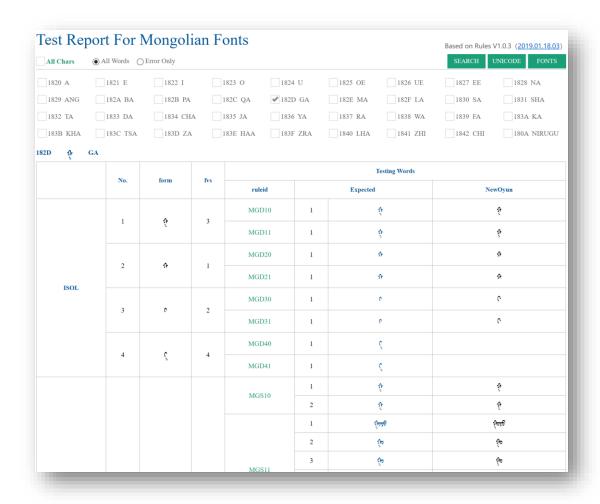




Building the OpenType for a complex script is hard. There are no prizes for being better, every font needs to be conformant.

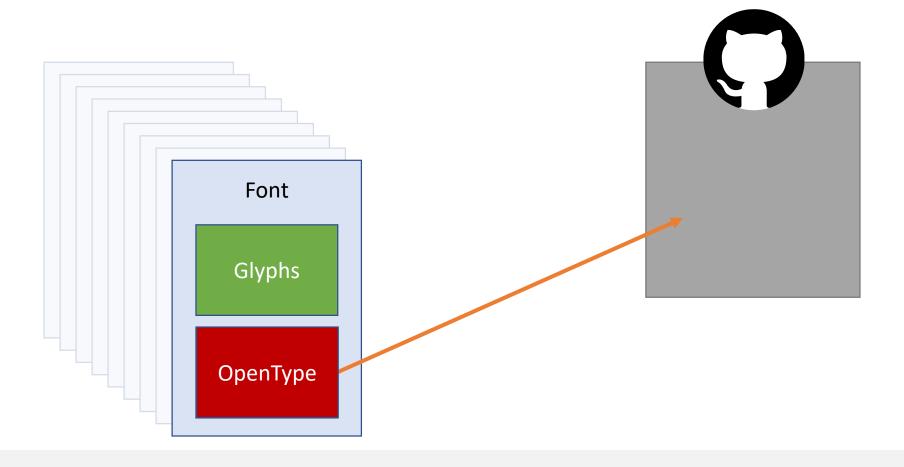
Conformant shaping





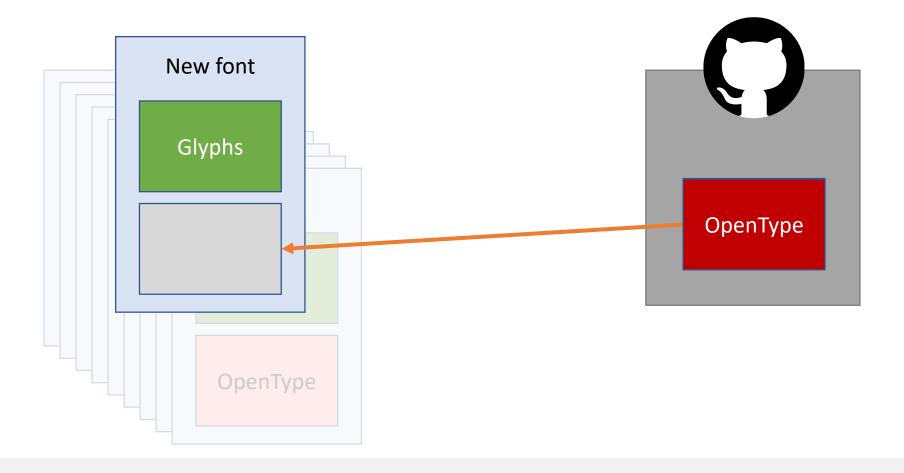
A conformant Mongolian OpenType font passes the test suite (http://rule.mongoltoli.cn/ruletest.php)

OpenSource shaping



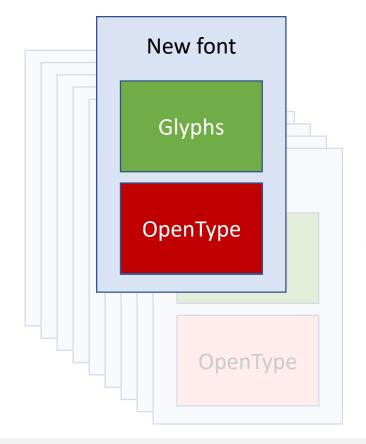
When we have a font that passes all of the tests, let's make the OpenType table available to everyone.

OpenSource shaping



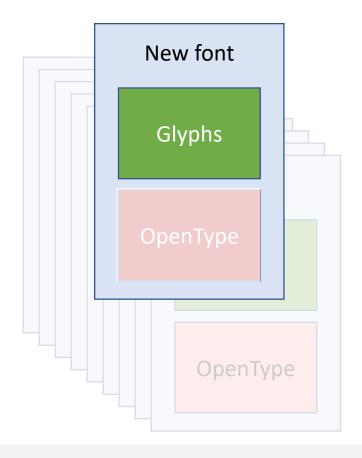
Any new font that implements the same glyph set can use the same OpenType solution and become conformant.

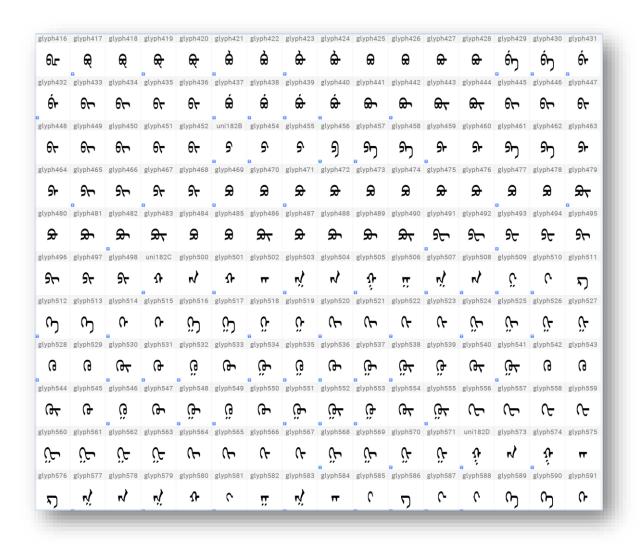
OpenSource shaping



Loading the OpenType tables for a font could be as simple as running a script from a command line.

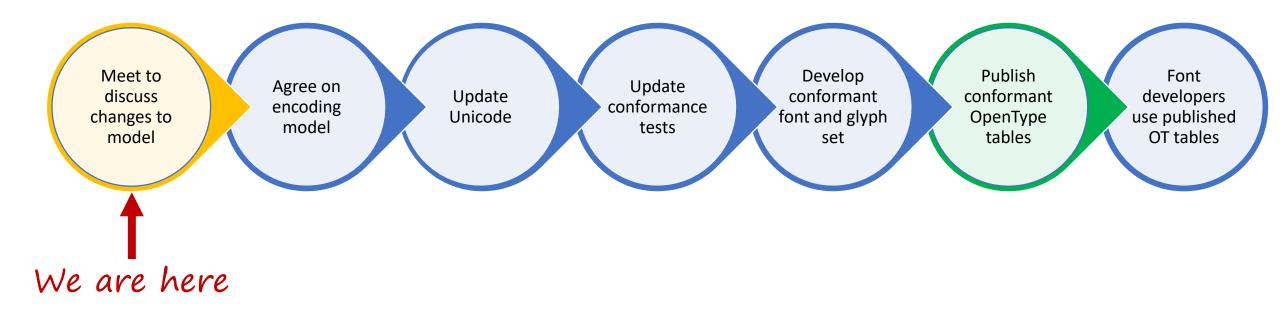
Requirements





In order to have the shared OpenType tables apply across fonts, each font must implement the same glyph set.

Process



Open-sourcing a conformant OpenType table comes near the end of our work to stabilize the Mongolian encoding.