ABSTRACT: We present a programmatic interface (SKOS API) and editor for working with the Simple Knowledge Organisation System SKOS. The SKOS API has been designed to work with SKOS models at a high level of abstraction to aid developers of applications that use SKOS. We describe a SKOS editor (SKOSEd) that is built on the Protege 4 framework using the OWL and SKOS API. As well as exploring the benefits of the principled extensibility afforded by this approach, we also explore the limitations placed upon SKOS by restricting SKOSEd to OWL-DL.