

From Software Formal Specification in Z to Prototype

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***Abstract:** This paper provides a method for developing prototypes in a set oriented prototyping language (SetL2) from software formal specification stated in Z. Such a prototype provides the possibility of early validation of software requirements. Here unlike the most done works, we don't tend to directly execute the specification. Then we put no limitation on the set of possible statements used for specification. In order to develop prototypes, first using existing tools and regarding ZML schema is converted to an XML document. Then with the help of a DOM document, obtained XML document will be traversed and parsed and relevant prototype will be generated from it.*

Keywords: Formal Specification, Prototype, ZML, Z, SetL2.