

State machines are commonly used in Software engineering during software design and development. Today's well-known UML language forms basic resource for representation of state machines. However, they didn't have an XML representation till now. Emerging standard for State Chart XML (SCXML) language brings new possibilities for representation and also interpretation of state machines. This thesis focuses on analysis of present SCXML language draft. It compares SCXML language possibilities with graphical representation of UML language and searches for draft defects. At the same time it proposes new graphical representation matching language possibilities, and implements it in a graphic tool. Created tool consequently provides support for design of dialog based applications. Dialog can be represented just right by a state machine.