The aim of the thesis is to implement a tool which generates testing XML data according to user defined attributes. The user can use this data for testing applications which work with XML data. The application provides the user with GUI for editing attributes of generated documents whose size can be greater than main storage. Main attributes of generated documents are number of generated documents, fanout, frequency of element/text, generating mixed content, etc. Application can also generate a DTD or XSD document for all generated documents, execute the tested application over generated documents or send generated data to service of tested application.