

Abstract: Updating XML data is very wide area, which must solve a number of difficult problems. From designing language with sufficient expressive power to the XML data repository able to apply the changes. Ways to deal with them are few. From this perspective, is this work very closely dedicated only to the language XQuery. Thus, its extension for updates, for which the candidate recommendation by the W3C were published only recently. Another specialization of this work is to focus only on the XML data stored in the object-relational database with that repository will enforce the validity of documents to the scheme described in XML Schema. This requirement, combined with the possibility of updating of data in the repository is on the contradictory requirements. In this thesis is designed language based on XQuery language, designed and implemented evaluating of the update queries of the language on the store and a description and implementation of the store in object-relational database.