
Visualization of International Help Data - XML Schema, design for final data files structure

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At the beginning of the project it was important to find out how source files from IATI organization are structured, what data is relevant and what we have to use to successfully do the implementation of the project. In addition to used financial data from IATI, we also had to get data about population for each country. All these information was stored on the Internet and the main goal was design some structure of document, which could be easily used in final visualization. That was my major role in this project.

All of IATI data files was well-structured XML with one of IATI recommendation or XML schema accessible on their web pages. Find out how they are structured and what data are relevant for project was quite easy. The only problem was, that UNDP and WorldBank organizations used their own file structured, but after consultations with my collaborators I designed XML schema what describes the base of our final data file for visualization. Our goal was to provide the opportunity to user to select any country that gained some finances from two international organizations and to have the opportunity to filter these results by years, compare it and it should be user-friendly. The main XML schema purpose is to provide the easy and simple model for data to be reached easily in our web application.