Although contemporary programming style involves massive use of design patterns, programming languages does not offer suitable means tu support their application. Aim of this work is to show in practice that modern XML technologies, namely XSL Transformations, allow developers to avoid some routine tasks required by the objective language itself. This reduces the probability of errors, allows developers to focus on the key parts of the design, and makes maintaining the code markedly easier. These benefits come to light especially in large projects with hundreds to thousands of classes with complicated relations. In this Thesis we demonstrate these ideas on an example of a C++ compiler project.