ABSTRACT

This work presents some highlighted software reuse approaches and their application in a case study. These approaches outline the importance of applying reuse since the beginning of the software development lifecycle, i.e., Domain Engineering. Besides, they present the possibility to develop "for" and "with" reuse through different paradigms, in this case, object orientation (OO) and component-based development (CBD). The costs and benefits of reuse are presented as difficulties and motivations in adopting this practice. The selected domain to demonstrate the practical application of the approaches and their techniques is the Municipal Tax Collection. It was selected due to the group knowledge about this domain and the possibility to gather required information.