

L^AT_EX₃: Using the layers

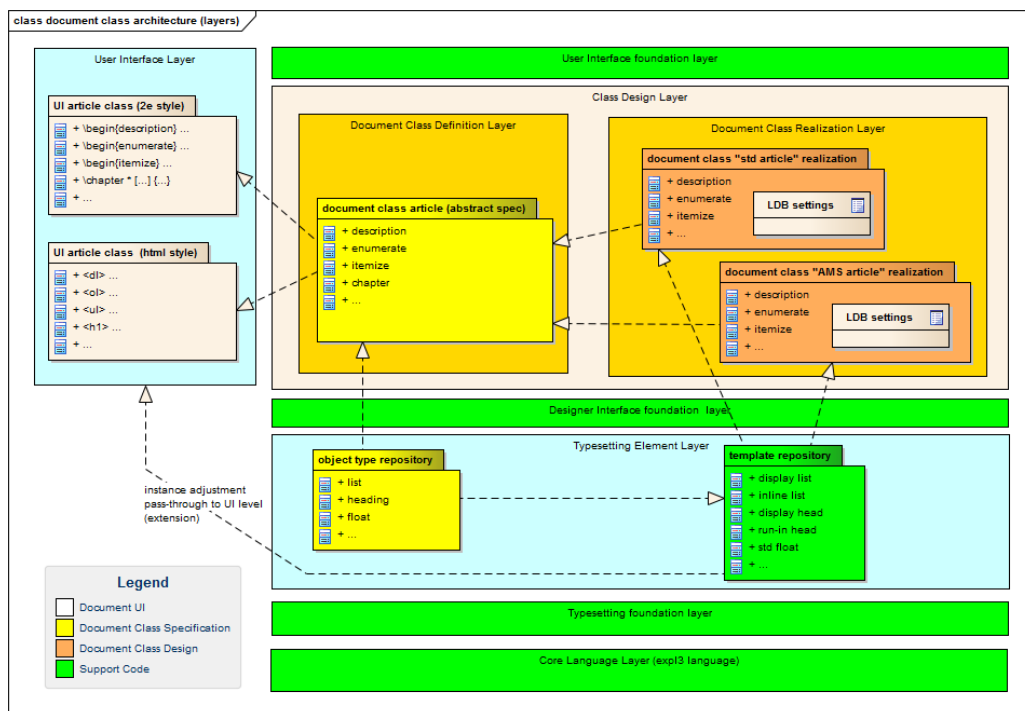


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2013-10-24

In this talk we will briefly present the architecture of L^AT_EX₃ with its four conceptual layers

- Document Interface Layer
- Document Design Layer
- Typesetting Element Layer
- Programming Layer



We will then look in some detail at `xparse` — a L^AT_EX_{2 ϵ} -like user interface, as an example of the L^AT_EX₃ Document Interface Layer, that can already now be used to provide extended functionality for existing L^AT_EX_{2 ϵ} documents and packages.

We conclude with a brief detour of `expl3` the foundation layer for L^AT_EX₃ that provides the basis for all higher-level modules of L^AT_EX₃ but can also be usefully deployed to develop packages for L^AT_EX_{2 ϵ} .

The `expl3` language is by now in a stable state and gets more and more traction outside the L^AT_EX₃ development work, which can be seen, for example, by its use in a growing number of answers on the question and answer portal <http://tex.stackexchange.com> and in the appearance of L^AT_EX_{2 ϵ} packages that use it for programming.