



Semiautomated Generation

of Content-based Web Applications

Xhevi Qafmolla

Software Engineering

Model-driven Development

Web Engineering

CMS-based Web Applications

~67 M

~5,6% of all online websites in the world

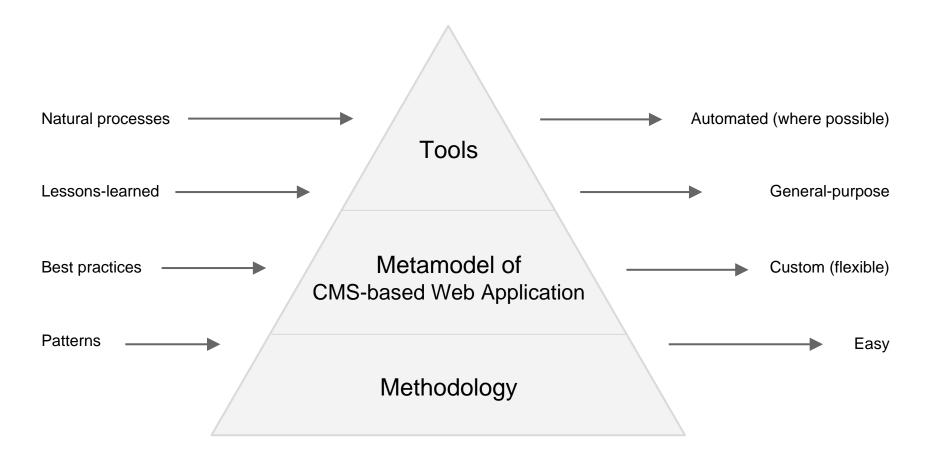


Long-tail CMS ~ 40 M Hosted CMS ~ 3.4 M Other content-based platforms ~ 5-7 M

Fragmentation

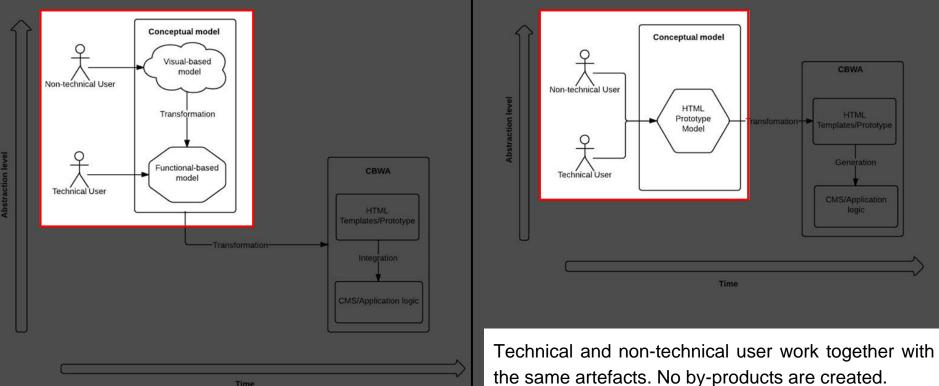
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Cost overhead

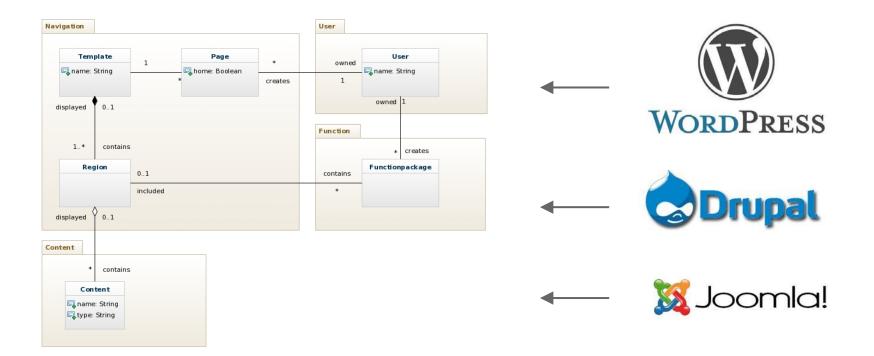


Typical methodology

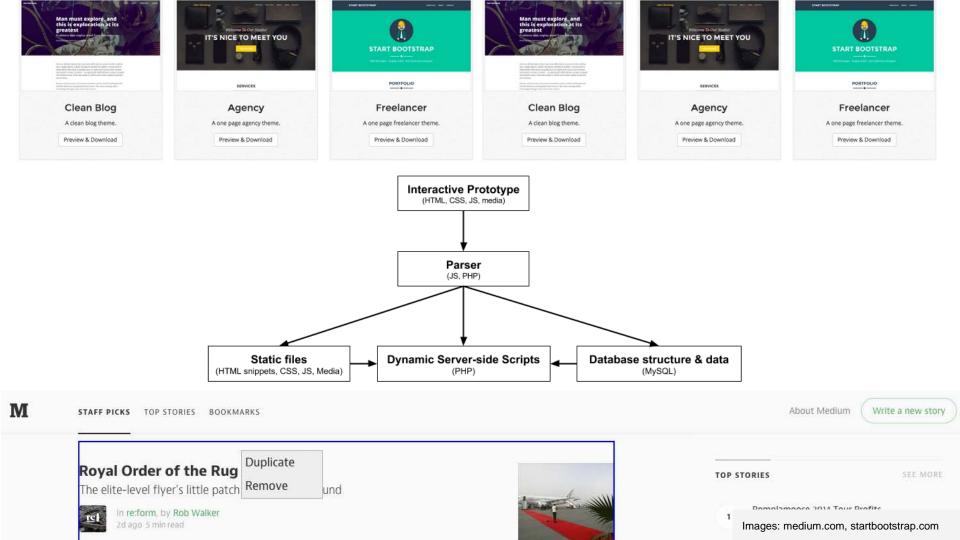
Our proposed methodology



Time



Joint model of most common CMS platforms, transformed into one generic metamodel. Consists of main concepts needed to build and run a CMS-based website.



Evaluation of the methodology and tools is on-going.

Qualitative evaluation: 3 real-world projects of small to medium scale successfully completed.

Quantitative evaluation: 100 open source templates processed and controlled for errors. Methodology and scripts modified accordingly.

Proof of concept tools deployed in practice with several freelancers.

On-going development of tools for the Chrome browser as extensions.



xhevi.com @xhevi



qafmoxhe@fel.cvut.cz
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Thank you!