

As complexity of web applications and software grows, benefits of applying modeling techniques for the development of such applications are increasing as well. In this work, we focus on modeling web forms which are an important part of current web applications.

A short motivation example will demonstrate benefits of modeling web forms at the conceptual level. We will then summarize existing approaches to conceptual modeling based on UML and Model-Driven Architecture (MDA). We will present XForms. Finally, we will discuss how to model web forms at the conceptual level and how to translate conceptual schemas of web forms to XForms representation. Our approach is based on MDA principles. Firstly, a problem domain is modeled at the conceptual level. Secondly, each form representing a part of the domain is modeled independently of its representation in XForms. The last step is generating XForms representations of the modeled forms.