XForms

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HTML Forms

- Important part of many web applications
- Help web applications to interact with web users ex: user fills in a HTML form to order items online
- XForms are the next generation HTML forms

XForms

- Separate the purpose from the presentation of a form
- Flexible presentation
- Platform and device independent
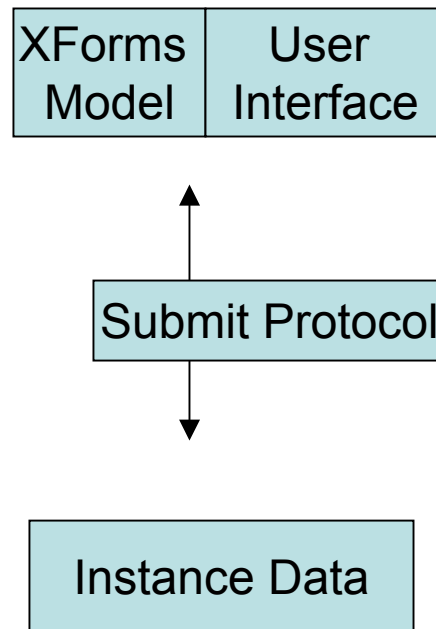- uses XML to define and transport forms

XForm Example

- XForm uses XForm controls to control its interface

 example

 <xform:selectOne> <xform:input>

 These form controls are directly usable inside XHTML and other XML documents, like SVG.

Main Aspects of XForms

- The following illustration summarizes the main aspects of XForms:

XForms Model	User Interface

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Submit Protocol

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Instance Data

XForms Data Types and Functions

- Data Types
- Data Attributes
- Validation Attributes
- Data Structures
- String Functions
- General Functions
- Finance Functions

Usability of XForms

- Richer and more flexible than HTML forms – more structure

- Decoupled data, logic and presentation

- Device independent and accessible --- less presentation

- More usability

- Integration with XHTML and other namespaces

Usability of XForms

- Defined data types and data logic
- Reduce the need for scripts