

# INFO 202

## Assignment 7 (A) - Implementing a Model in XForms

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You will revise your Assignment 3 "event" vocabulary and implement an XForms application that uses it. This is an optional assignment for which you'll receive extra credit.

### Assignment Overview

You must submit your work in electronic format using the "Assignment Upload" link before 9:00 AM on Monday 17 November 2008. In addition, bring two copies of the printed report for this assignment to class that day.

You are required to submit two files. One should be named YourNameA7A.xhtml and it will contain the XForms application. The other should be named YourNameA7AReport and it can be an HTML or XML file using the Report format that you've used before, a Word document, or a PDF one. Just make sure its structure makes it easy for us to distinguish the different parts of your work.

### 1. Revising your Vocabulary

You designed your event vocabulary way back in September, and while you probably got some feedback about your vocabulary then, it is much more significant that you have learned a great deal about the design of information components and document models in the nearly two months since that assignment. Your task here is to revise your vocabulary to make it better, where "better" is defined to mean that it takes advantage of what you've learned! In particular, you should:

(1A) review your vocabulary and explain anything about it that should be changed and why it should be changed

(1B) make the changes by re-defining any unchanged terms and defining the new ones in your vocabulary, being as precise as you can about the constraints or "business rules" they must follow; you can write a DTD or an XML Schema if it helps you make your explanation clear

(1C) create an instance in XML.

These three parts of the assignment should be documented in the YourNameA7AReport file.

### 2. Implementing your Vocabulary using XForms

(2A) Install the XForms plugin from Mozilla (you find it at <http://www.mozilla.org/projects/xforms/>).

(2B) Write an XForms application that can capture the instance you created in step 1C. Name this YourNameA7A.xhtml.

(2C) You can use the XForms application "XForms Example" from the lecture of 5 November as a guide, but that example doesn't do any validation of the input. For full credit you need to build in some validation using built-in XML Schema datatypes or using datatypes you define. Not all of your constraints or business rules can be validated, but try to get as many as you can.