Externalizing Business-Object Behavior

Paul Davidowitz

One of the frameworks explored by the advanced development group at Andersen Consulting is the externalization of business-object behavior, which allows for tailoring by the end user. The behavior is represented as rule bases, which are specified in Smalltalk.

Using events for constraint solving

Annick Fron

Constraint-solving techniques have been commercially implemented in C++ and used for such industrial applications as train and plane scheduling. Smalltalk events allow an elegant representation of these techniques.

How to display an object as a string:

Bobby Woot

Producing an object’s description is not enough. When the user types in another string, the new one needs to be converted back into an object. Here are some guidelines on how to use the TypeConverter and PrintConverter classes to display objects and read new ones from the user.

Visual programming:

Wayne Beaton and Dwight Deugo

Managing connection complexity

Getting Real:

Fault tolerance

Wayne Beaton

Here are some mechanisms to achieve fault tolerance, and how to recover when bad things happen.

Smalltalk Idioms:

Object-oriented recursion

Kent Beck

While coming to understand recursion as a rite of passage for developers, it must be managed somewhat differently to make effective use of it.

Departments

Editors’ Corner

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