

# XATA 2005

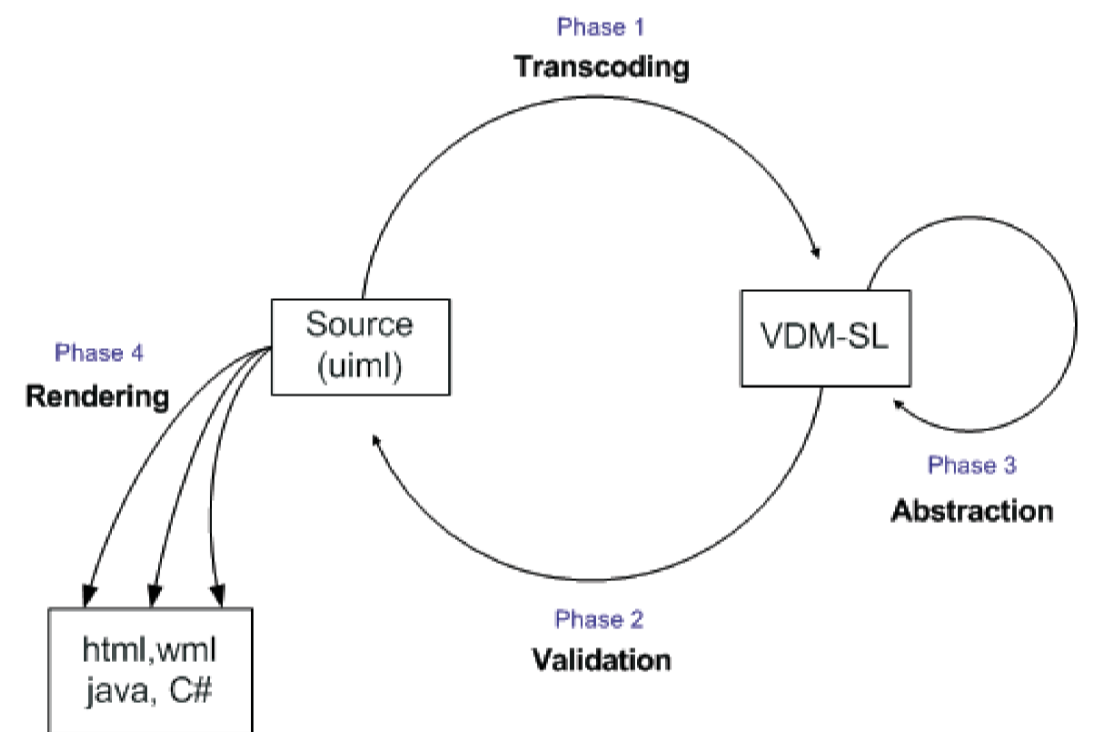
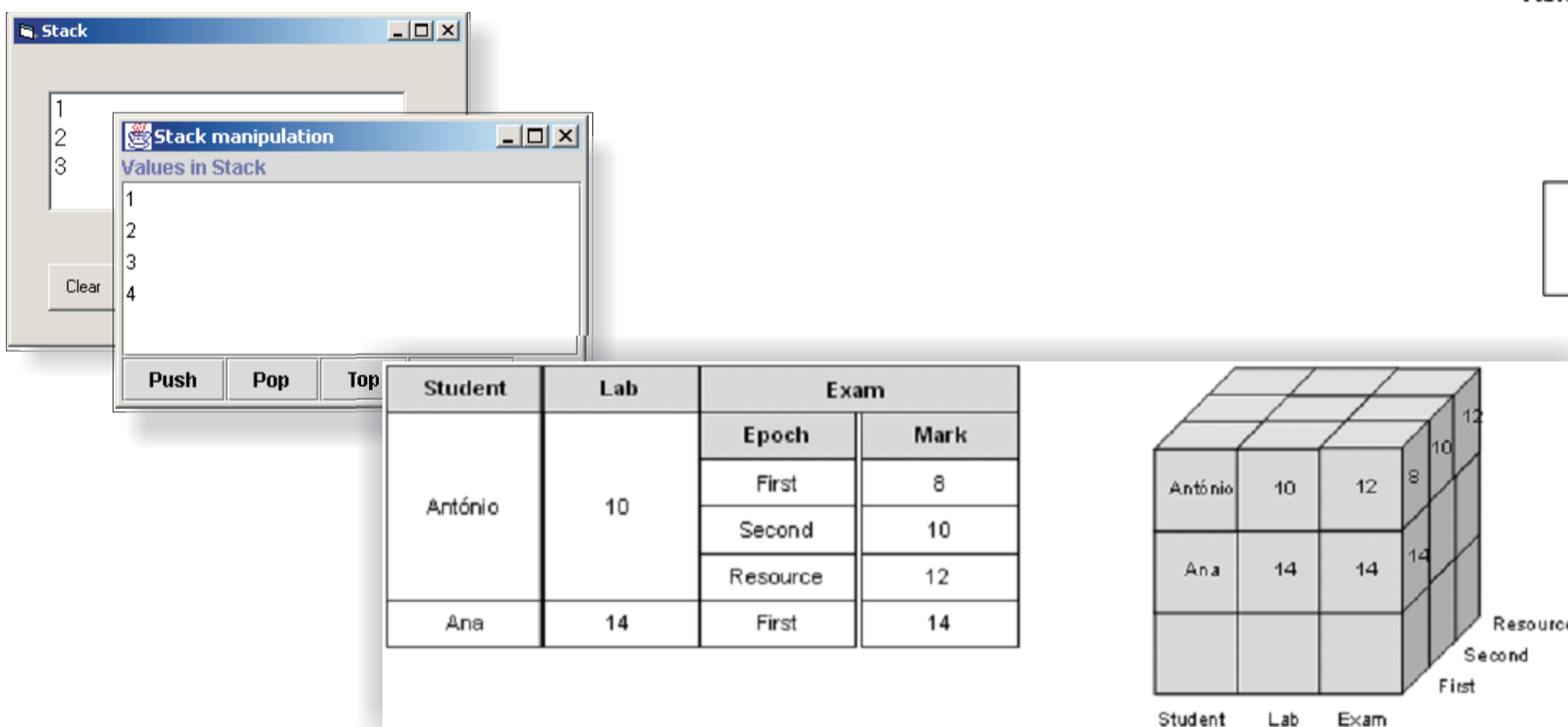
XML : APLICAÇÕES E TECNOLOGIAS ASSOCIADAS

## FORMALIZING MARKUP LANGUAGES FOR USER INTERFACE

The state-of-the-art of user interface markup languages is analyzed and UIML - User Interface Markup Language - is formally specified. The common tabular graphical object OLAP features are formally specified in VDM-SL and animated using UIML.

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```
t = mk_({},
{"r1" |->mk_({},
{"Mark" |->mk_({}, "Ford"),
"Color" |->mk_({}, "Black"),
"Qty" |->mk_({}, "100"),
"Year" |->mk_({}, "2002"),
})
...

```

VDM-SL instance table

```
<uiml>
<interface id='Sales'>
<structure>
<part id='top' class='Html'>
<part id='body' class='Body'>
<part id='Sales' class='Table'>
<part id='Theader' class='Tr'>
...

```

UIML table

