UsiGesture

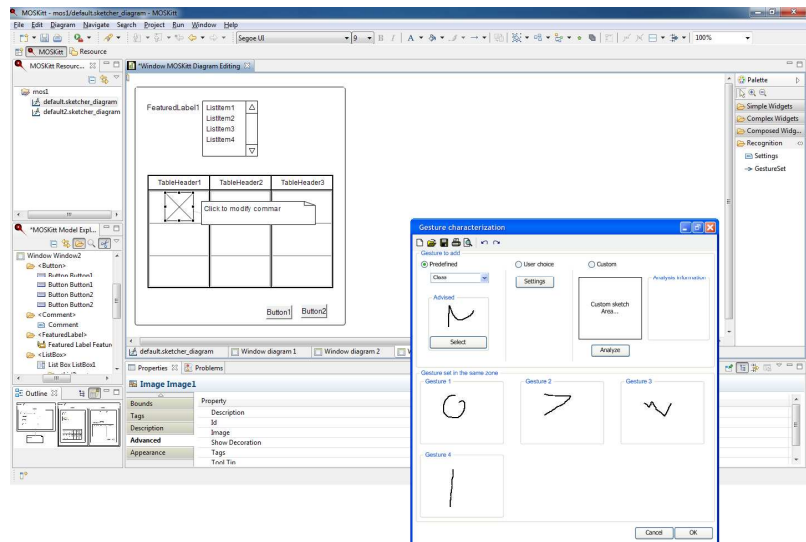## UsiXML Concrete Editor with gesture handling

USI Gesture

UsiGesture consists of an editor enabling designers, developers, or even end users to build a representation of user interfaces handling gesture commands, at a concrete level in UsiXML. In addition to the common widgets, the user of the editor is able to include special commands triggered by pen-based gestures. The representation is used by the tool to derive the UsiXML specifications independently of the programming toolkit as well as the context of use, including the user and platform and the environment.

Features

- Building of the representation of a user interface at concrete level
- Inclusion of special commands triggered by pen-based gestures
- Generation of the corresponding specification of the interface in UsiXML language

Inputs

Depending of the goal of the designer, the tool can be used alone or can be provided by information from other tools of UsiXML chain. The input device is graphic tablet with a stylus.

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Outputs

The output is the UsiXML code representing the specification of the user interface handling gestures commands. This code corresponds to the Concrete User Interface level of abstraction of the Cameleon Reference Framework on which UsiXML is based.

Planned version of the tools

- 2010 - The first version is implemented in Java Swing. For the moment it is only focused on the gesture recognition part of the application.
- 2011 - The second version will integrate the UsiXML part allowing specifying the user interface.
- 2012 - The final version will continue the integration of the two different parts. It will be adapted to the future versions of UsiXML language and its gesture recognition engine will be improved.

Authors

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