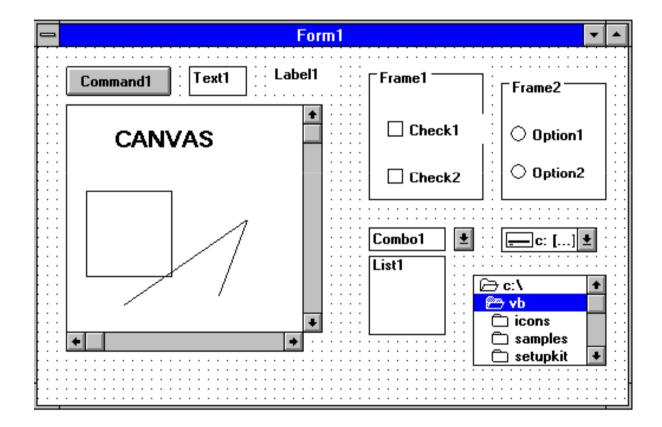


Event Driven Programming

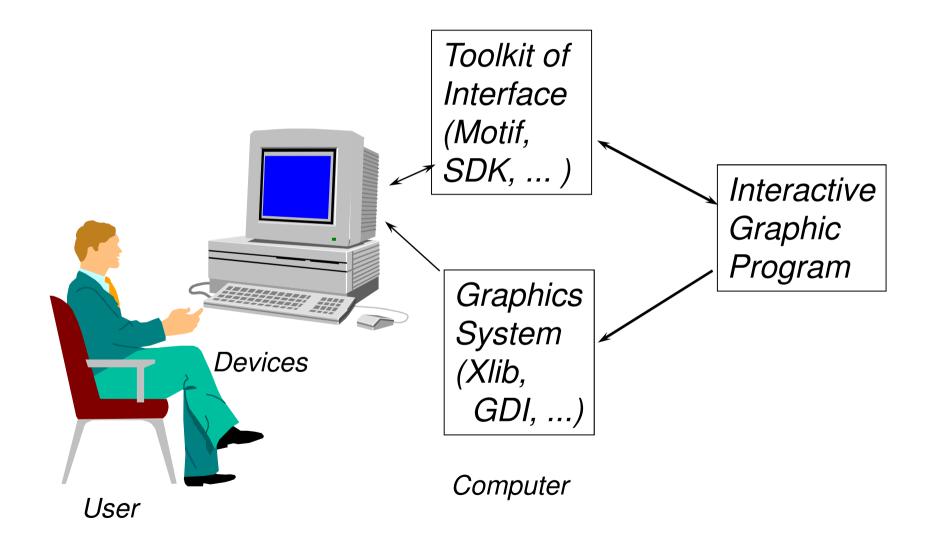
Luiz Fernando Martha André Pereira

Graz, Austria June 2014

Common Interface Objects

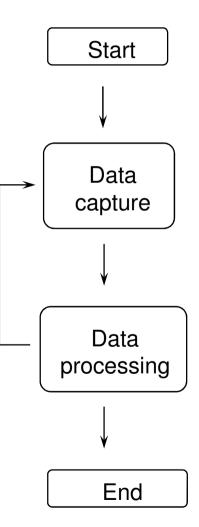


Programming Strategies



Conventional Programming

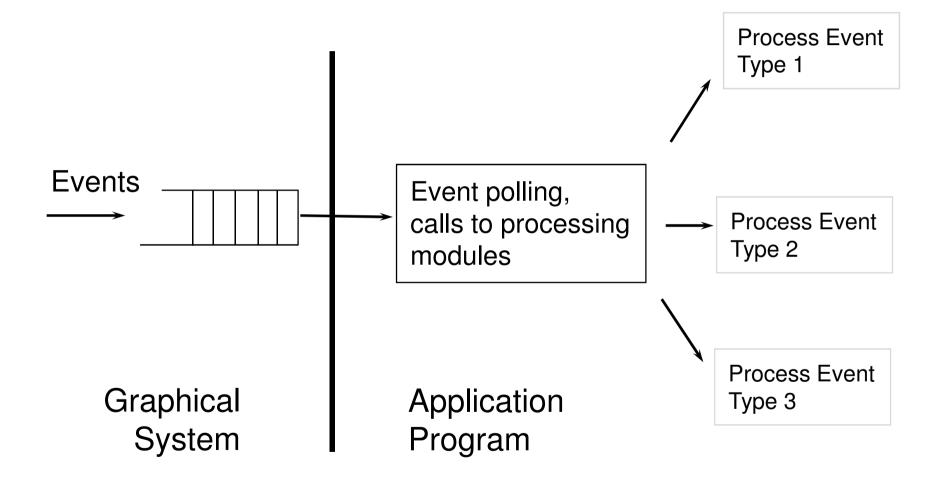
Conventional Programming Commands are executed according to a pre-established and sequential order.



Interaction Techniques

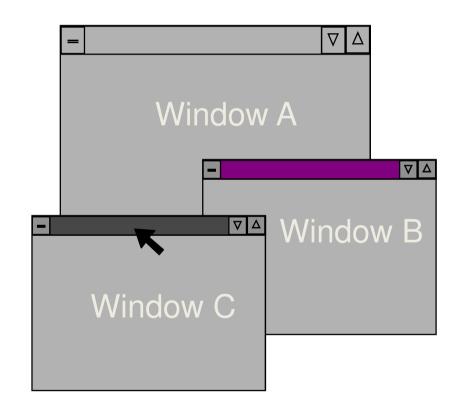
- Request
- Sample
- Event
 - events [Xlib, SDK]
 - callbacks [Motif, IUP, Visual...]
 - -listeners [Java/OO]
 - -signals & slots [Qt]

Event Model

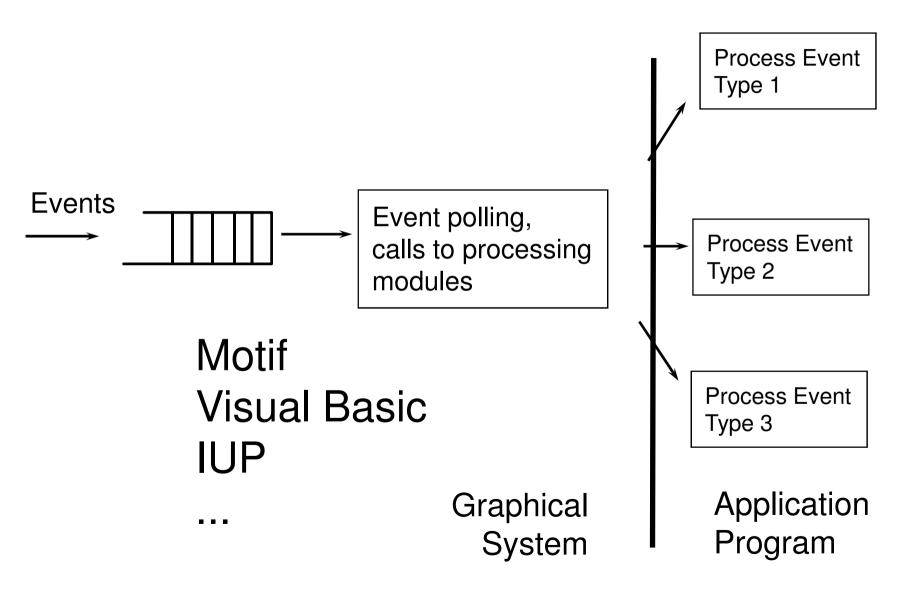


Typical Events (WIMP)

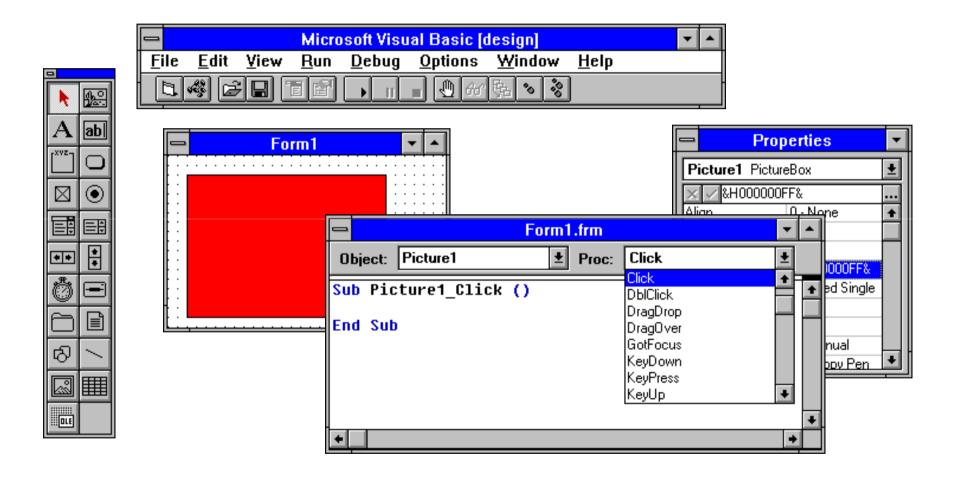
KeyPress KeyRelease ButtonPress ButtonRelease Motion LeaveNotify EnterNotify WindowExposure Resize Timer Idle



Callback Model



Visual Basic



ToolBook

ToolBook - (Untitled)											▼ ▲
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Command: displays/hides Command window.							1605,	;30		1	of 1 🕞

Signals & Slots [Qt] Model

