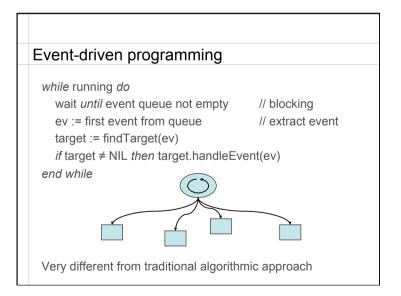
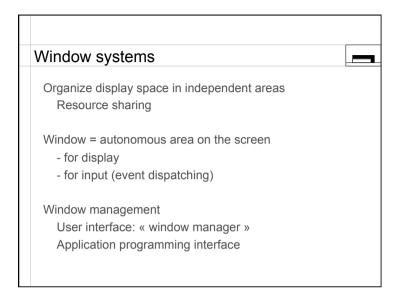
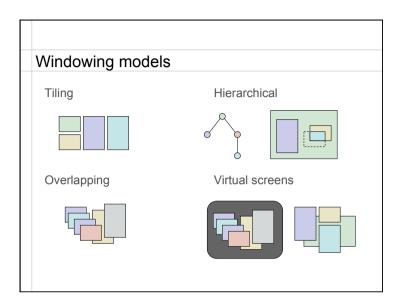
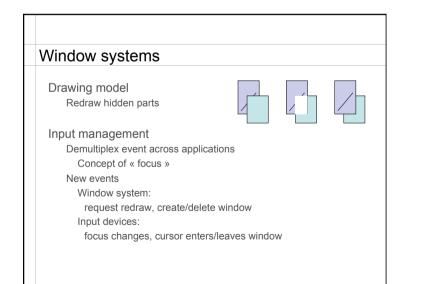


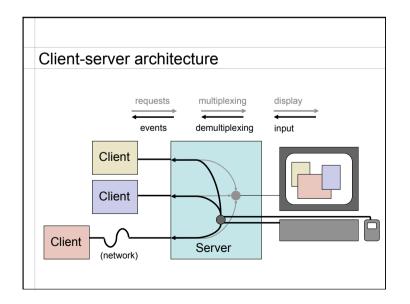
Managing input in an interactive system				
Query	Sampling	Events		
Blocking	Busy waiting	Event queue		

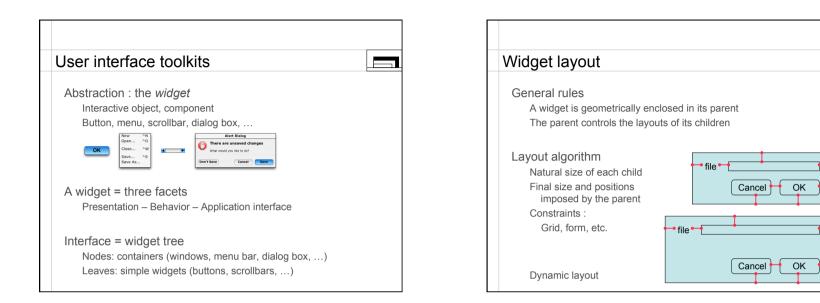


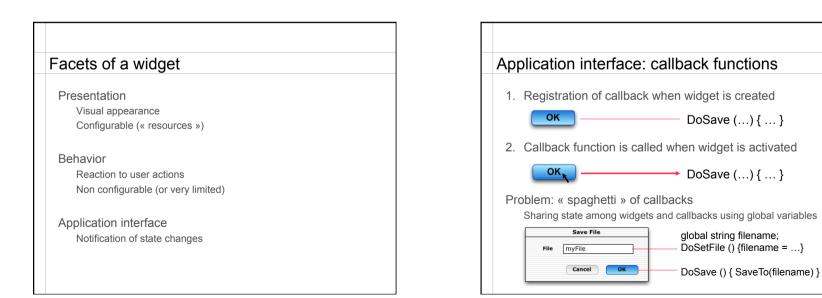


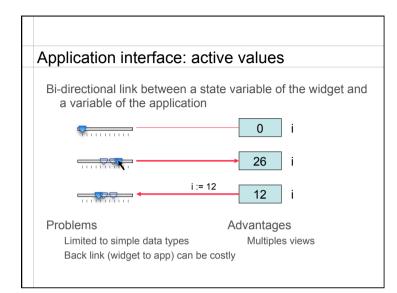


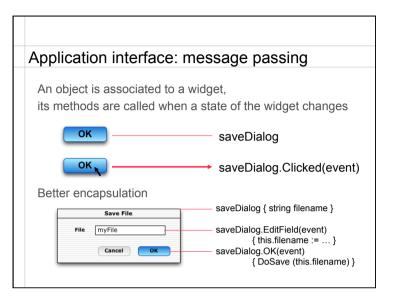




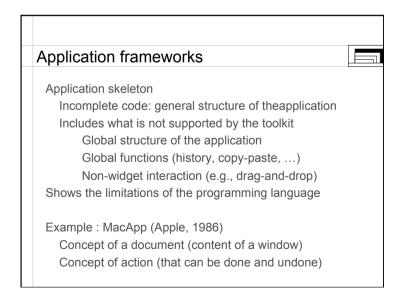


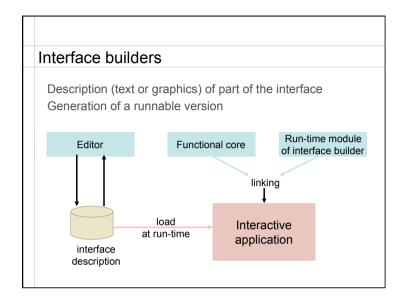


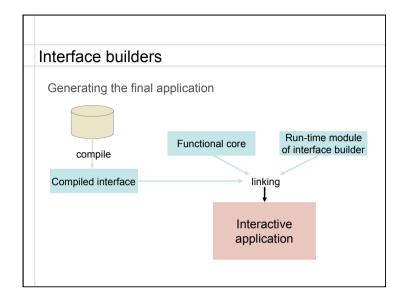


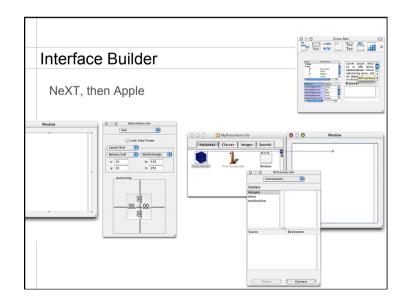


Lloori	nterface toolkits
Useri	
Many	available toolkits
Xt,	Motif – historical (X Windows)
Qt,	GTK – Linux
AW	T, Swing – Java
Tck	/Tk – multi-plateformes [active values]
Many	limitations
Pro	gramming is cumbersome
Inte	raction limited to the interior of the widget
	example : no drag-and-drop
Lim	ited extensibility : adding new widgets types is difficul









Conclusion	
Advantages of these tools	
Reduce development and maintenance costs	
Facilitate compliance with style guides	
Limitations of these tools	
Interaction style based on widgets	
Limited extensibility	
Difficult to program non-standard interactions	
Research issues	
Beyond the widget model	
Define better languages and environments	