Dialog Styles: Pen & Gesture and Speech & Natural Language

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This material has been developed by Georgia Tech HCI faculty, and continues to evolve. Contributors include Gregory Abowd, Al Badre, Jim Foley, Elizabeth Mynatt, Jeff Pierce, Colin Potts, Chris Shaw, John Stasko, and Bruce Walker. Permission is granted to use with acknowledgement for non-profit purposes. Last revision: January 2007.

Agenda • Pen & gesture - PDA overview - Pen input styles - Issues • Speech & natural language - What is speech? - When to use speech - Speech output - Speech input - Designing the speech interaction











Inp	out	
•	Pen is dominant form	
•	Main techniques	
	– Free-form ink	
	 Soft keyboards (tapping) 	
	– Numeric keyboard => text	
	 Stroke recognition – strokes not in shape of characters 	
	 Hand printing/writing recognition 	
•	Sometimes can connect keyboard	
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