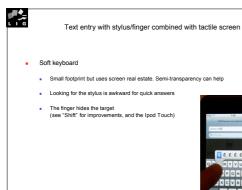
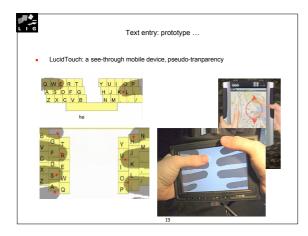


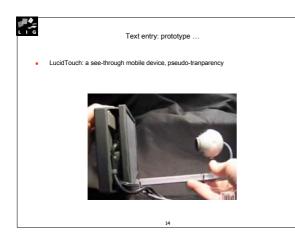
Keyboard text entry Built-in keyboard, but small (hard for elderlies) . 1 character per key, but then the keys are very small (Pale indice of difficulty is high (cf. Fitts'Law, last slide) Multiple characters per key Temporal constraints+multiple K (mobile phones) Increases time (cf. KLM) Predictive techniques for word completion (guess words to reduce the number of keys to type in) the T9 system: 1 keystoke per character of the set of the system of the sy х. in) the T9 system: 1 keystroke per character, 0 used as a separator prediction based on the knowledge of the language used for ambiguities (several words are good candidates), the most frequent one is selected 1 2 ABC 3 DEF 4 5 JKL 6 MNO 843 78425 27696 369 58677 6837 843 5299 364 the quick brown fox jumps over the jazz dog tie stick crown lumps muds tie lazy fog vie vie 7 8 9 PQRS TUV WXYZ * 0 # 11

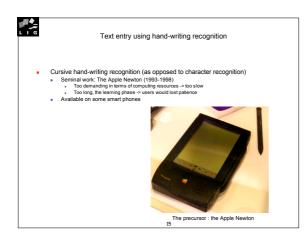


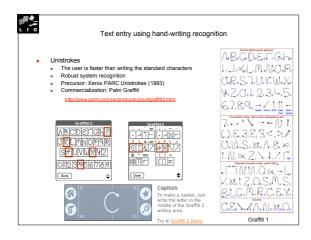


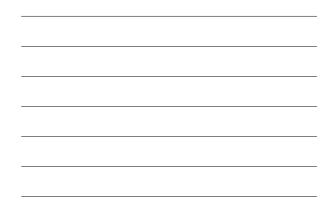


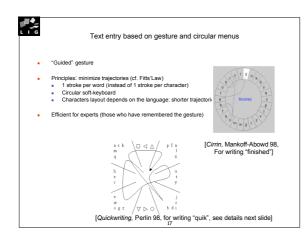




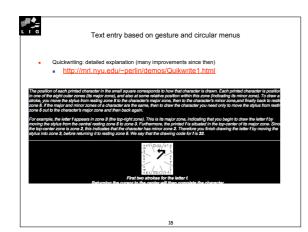




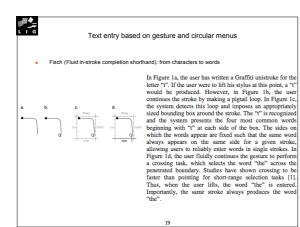


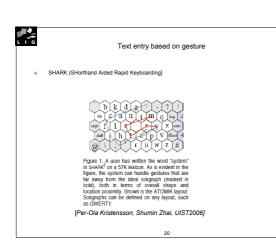


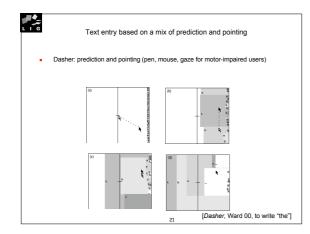




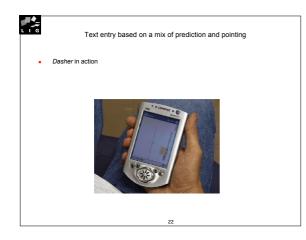


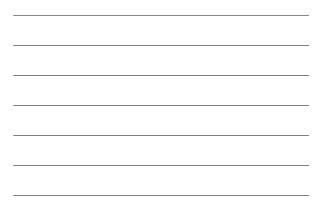


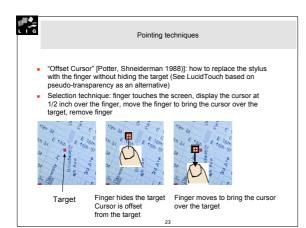


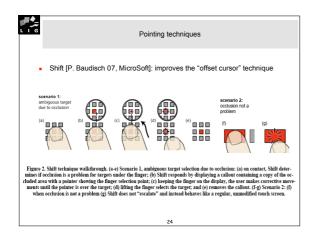




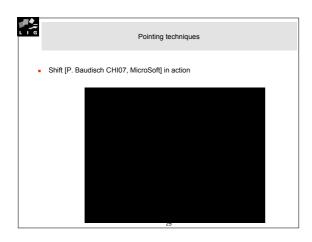




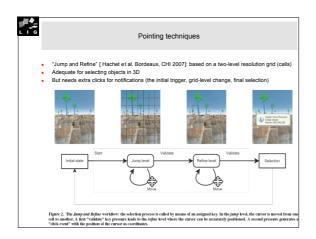




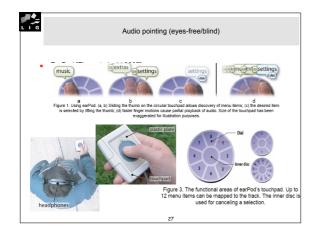


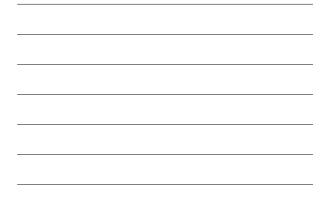


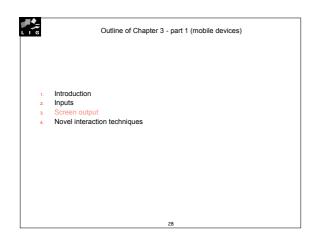












Screen: the starting point (more in Chapter 4)

- Use the task model and the Abstract UI (AUI) that define
 The overall structure of the Concrete UI (CUI): navigation and the visual structure of
 the display information space)
 The domain-dependent concepts that must be made observable

- Identify the central tasks
 They are the "raison d'être" of the system or they are frequent
 They make sense on the targeted mobile device
- For each task
 Identify the central domain-dependent concepts
 i.e.identify those that are necessary (right away observable) from those that are less
 necessary (possibly browsable)

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- Within the CUI, the user must be able to:
 accomplish the central tasks
 and observe/manipulate the central domain-dependent concepts
- Then, your CUI can exploit the following interaction techniques ...

Control widgets: general rules Icons
 NB: nouns are easier to iconify than verts
 Requirement: samII size but recognizable
 Reuse conventions, no hieroglyph!
 Avoid text within an icon (new to 1, yes)
 Use contrasted colors: in the sunlight, colors fade away
 Outline icons with a thin dark line

