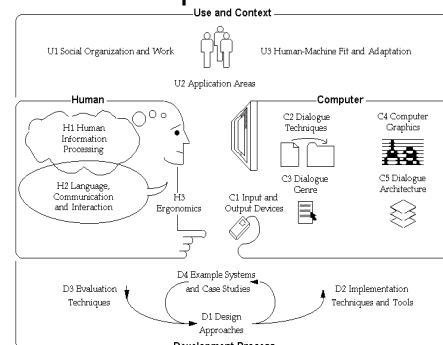


# What is HCI?

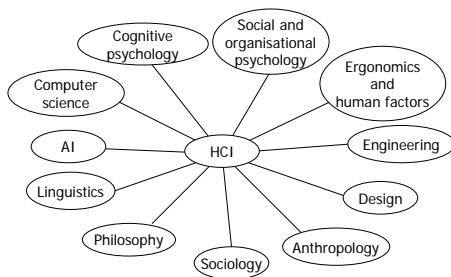
CompSci 101

Presenter: Dr Beryl Plimmer  
[beryl@cs.auckland.ac.nz](mailto:beryl@cs.auckland.ac.nz)

## Human Computer Interaction

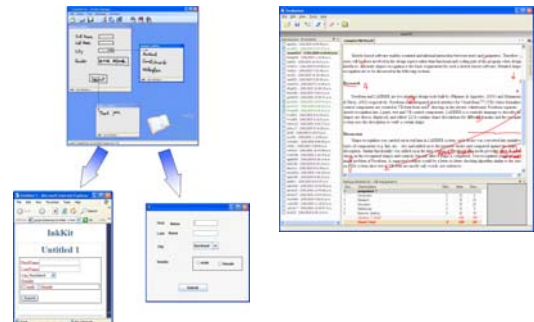


## Interdisciplinary Domain



## HCI Research in CS

- Pen-based input



## Usability

- How do to design attractive, functional interfaces
- How to usability test to ensure consistency
- How to integrate user centred design into the software development life cycle
- Designing novel interfaces



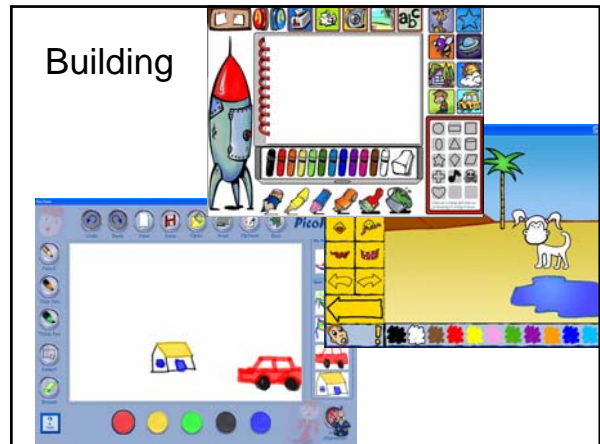
## CompSci 345

- Human Capabilities
- Computer possibilities
- Designing interaction
- Modeling interaction
- Building interaction
- Testing interaction

## Prototyping



## Building



## CompSci 705 (grad course)

- Research oriented
  - Teacher's research focus
    - Currently pen-based systems (Beryl Plimmer)
    - Modeling interaction (Gerald Weber)
  - Research Reports – investigate something novel
    - Gaming – social aspects of multi- player games
    - Computer mediated communication
    - Augmented reality
    - Olfactory(smell) output
  - Research project
    - Build something cool – in small groups
    - Videos and demos

## Video Clips

- [700\\_videos\ToDoList\\_MoraeVideo.wmv](#)
- [700\\_videos\MIDIQWERTYfier.wmv](#)
- [700\\_videos\WiiPaint\\_3MB.wmv](#)
- [700\\_videos\WiiSplashVideo.wmv](#)