CSE 490ra

Projects

Today's Plan

- Project groups
- Project mechanics
- Group discussions (1 hour)
- Group presentations
  - 7 minutes each. Answer the questions.

Project groups

- Animation
  - S1
  - S2
  - S3
  - S4
  - S5
- Visualization
  - S1
  - S2
  - S3
  - S4
  - S5
- Natural UI
  - S1
  - S2
  - S3
  - S4
  - S5

Project groups

- Every group should have a PM responsible for group organization
- Groups should maintain a web site of all documents produced
- Members of groups do not need to have the same roles – but all group members should participate

Project Evaluation

- Released project
  - How well it addresses core scenarios
  - Technical merit
  - Polish
  - Innovation
- Process
  - Document archive
  - Ideas explored
  - Checkpoint performance

Visualization

- Large scale static diagram, with dynamic overlay information
- Ability to view at multiple resolutions
  - Select multiple components to view
- Visualize time sequence data
- Exploration of time sequence data

Scoping

- Develop general purpose mechanisms
- But target the elevator scenario
  - Large building
    - 100 stories
    - 16 elevators
    - Interfaces TBA
  - Review of time sequence data by a building manager

Natural UI

- Task management system
- Keep track of notes
  - Organization of information
  - Pen based manipulation
- What is the metaphor?
  - Piles of index cards?
- Express relationships between tasks and manipulate individual tasks
- Possibility of multi user

Scoping

- Consider service technician scenario
- Restrict attention to a simple input / output model
- Modest number of tasks (100)
- Will need to consider integration of ink and text

Key Frame Animation

- Create animation sequences that interpolate between drawings
- Basic problem
  - Given two ink figures, develop a sequence of ink figures that give a semi-continuous transformation from one to the other

Scoping

- Two dimensional animation
- Start with restricted domain
  - Stick figures
- Two aspects to the problem
  - Stroke transformation
  - Stroke matching
- Concentrate on stroke transformation

Group Assignment

- Describe core scenarios for your application
- Describe some cool pen based UI issues for your project
- Identify tablet PC Technology issues requiring investigation
- What type of prototype would you build in two weeks to test out ideas