Purpose: To understand the issues involved in interaction design and to gain experience in applying the guidelines we studied in class.

Basic idea: In a small group, you will develop an interaction design for the task of cropping and printing a digital photo at a public kiosk.

Group work:
1. Divide into groups of 5-6 students.
2. Talk briefly in your group about the requirements for this task, and discuss any experiences group members have had with existing digital photo kiosks.
3. Work with the following assumptions:
   a. Assume that the system accepts various media such as memory sticks and compact flash cards.
   b. Assume that it already provides a way to preview and select the desired photo from the media.
   c. Assume that cropping and printing are two activities the system must support, among other activities.
   d. Assume that the system prints photos to standard photo-size paper (i.e. 4x6 inches, 5x7 inches, and 8x10 inches).
4. Develop an interaction design for your system. You have complete freedom of design with respect to both physical devices (input devices and displays) and interaction techniques/UI design. Be sure to consider the following important interaction design guidelines/issues:
   a. Interaction style
   b. Formation of system goal from task goal
   c. Appropriate action sequences
   d. Optimized execution sequences
   e. Natural mappings
   f. Constraints
   g. Feedback (and feed-forward)
   h. Low-level design of interaction techniques
   i. Role of input devices

Deliverables: Be sure to fill out the group worksheet, including the names of each person who was present and participated. Each group will have 2-3 minutes to verbally present its design. Prepare what you will say in your presentation. Also prepare at least one sketch of your system you can draw on the board during your presentation.

After all the presentations, the class will vote for their favorite design. Each member of this group will earn one extra credit point. Dr. Bowman will also pick another group whose members will each earn one extra credit point.