MIS 44044: System Analysis II

Homework #3
Visitor Information System
Due October 24, 2005

The second VB project introduces you to a variety of controls used in regular Visual Basic applications. This project is to design and implement a small visitor information system for the Kent State Student Center. The requirements for the project follow:

- Your program should provide the information about the organization or function of a given room. That information includes a name, photo, and phone number (if appropriate). The names and room numbers are provided. You will need to take photographs of the rooms. There should be at least 25 rooms and people data in you program.
- You should allow users to see the floor plan. Your program should be able to mark the location of
    - the currently selected room on the floor plan
    - common facilities (rest room, elevator, lounge, exit, etc.) on the floor plan.
- You should handle the case where there are 2 or more organizations in a room. Users may want to see the information of all the organizations assigned to that room.
- The information should be searchable by name and room number (Keyboard entry). Use a textbox to get the user's input (room number or organization).
- Throughout the interface include ways such as mouse-over dialogs and error prevention techniques to guide the user between steps.
- Include help buttons that will activate information to assist the user in case they get lost.
- Sufficient error handling is required.

Grading Criteria

The grading for this assignment will be based on five criteria:

1. Completeness
   Did you do everything that was listed in the interface requirements? Did you follow the submission instructions listed below correctly?
2. Graphic Design
   Did you make use of concepts such as alignment, group consistency, etc?
3. Aesthetics
   Did you create an appealing interface by using appropriate fonts, colors, images, etc.?
4. Ease of Use
   Is your project easy to use? Can the users find what they want quickly? Is navigation logical?

5. Coding Style
   The quality of the software design (efficient data structures, proper naming of variables, comments, etc.)

Submission Instructions

You will submit your assignments electronically. Before submission you should create a ZIP file containing each of the following:
1. your entire VB project directory (including ALL source code)
2. A JPEG screenshot showing off what you consider the most impressive action and form of your interface. Name your JPEG screenshot: '<lastname>-<first initial>-HW3.jpg'

You should name your zipfile '<lastname>-<first-initial>-HW3.zip'

Once you have created your zipfile, e-mail it as an attachment to me (**missives@sharenbakke.com**). The subject to the e-mail should be:

MIS44044-<lastname>-<first initial>-HW3

This e-mail must be received by midnight

Appendix 1: Capturing a Screenshot in Windows

Follow these steps to capturing a screenshot in Windows:

1. Run your Visual Basic.net project. Be sure no other windows are overlapping your interface.
2. Hit the 'Print Screen' key on your keyboard
3. Open up a graphics program such as Paint or Photoshop and select Paste from the Edit menu.
4. Save the pasted screenshot image as a JPEG with the following name: <lastname>-<first initial>-HW3.jpg. For example, if your name were Steve Jobs you would name your assignment**: jobs-s-HW3.jpg**