

If you were not here to do this with your team, you must complete it by the next class period and place it in your personal "To Be Graded Folder on Mars.

Team # = \_\_\_\_\_ Team Name \_\_\_\_\_

Project Name \_\_\_\_\_ Sub-System Name \_\_\_\_\_

Print Name \_\_\_\_\_

Signature \_\_\_\_\_ (pledged)

**READ THROUGH THIS ENTIRE LAB DESCRIPTION BEFORE YOU BEGIN!**

## Architecture Diagrams – Class Diagrams – Prototype #2 Final Project

**70 Points**

**5/5 Points EXTRA CREDIT**

1] \_\_\_\_\_ {Yes/No} I have an Advanced Search Form → EXTRA CREDIT

**25/25 Points EXTRA CREDIT → Requires Entire Team**

- 1] All of your team members should have reviewed your Architecture Diagrams (ADs) & Class Diagrams (CDs); they should have made suggestions.
- 2] 25/25 Points Extra Credit if you get all of your team members to review your ADs, CDs, & Prototype before you submit it for grading.

I have reviewed the ADs, CDs, & Prototype → I have offered suggestions (as is appropriate), these files were shown to me early enough for these suggestions to be implemented.

Print Name \_\_\_\_\_ Sign \_\_\_\_\_

Print Name \_\_\_\_\_ Sign \_\_\_\_\_

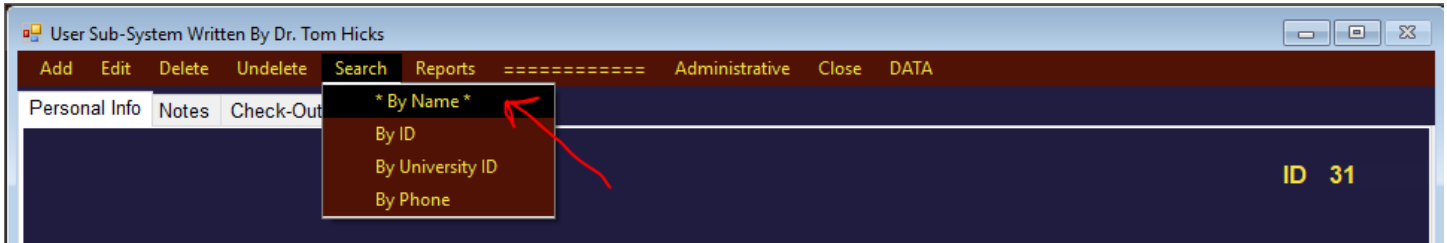
Print Name \_\_\_\_\_ Sign \_\_\_\_\_

Print Name \_\_\_\_\_ Sign \_\_\_\_\_

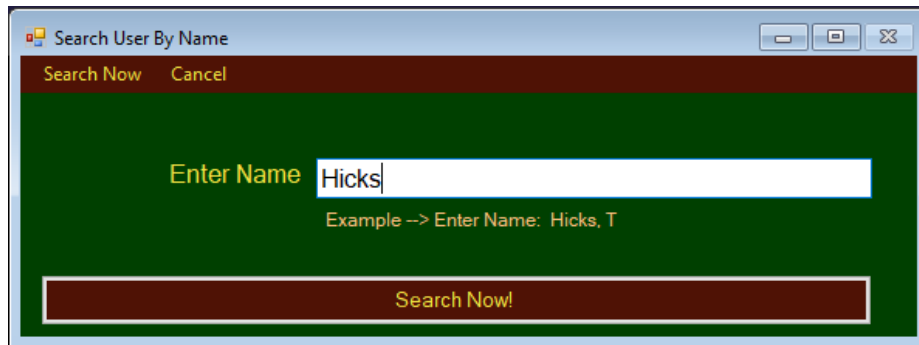
Print Name \_\_\_\_\_ Sign \_\_\_\_\_

**5 Points → Multiple Search Form Implementation**

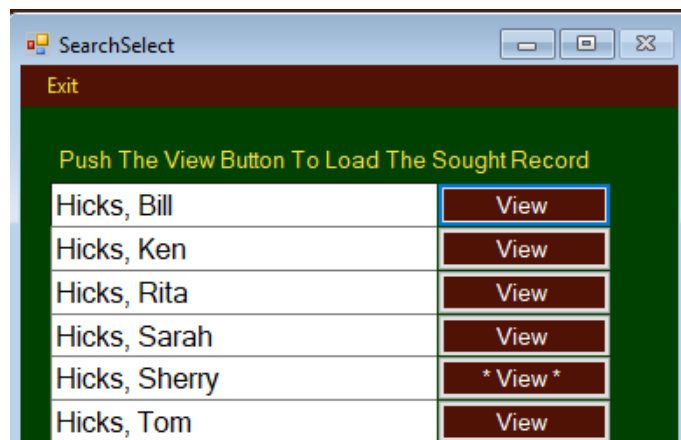
- 1] One of your search forms must demonstrate those searches which might return more than one choice. In order to be easy to find this during your Prototype Presentation, place asterisks (\*) around that choice, on your sub-system, which would demo the multiple search solutions form.



- 2] Make the Magic search string → to open the multiple search form → = **The First TOKEN (of your Example) → Hicks (for me below)** Since you would like to use the same Search form for the entire team, the easiest way to do this would be to pass this as another argument to the constructor.

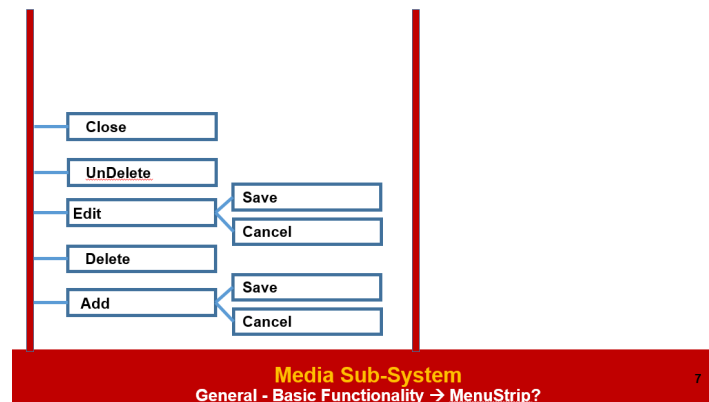


- 3] The choices on your choices must be meaningful to your system. Be sure that you pass these choices into your form → Do not hard code it as some of you did on your first project. All team members should use same Multiple Simple Search form. It should match your color scheme.



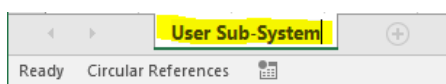
**10 Points → Updated Architecture Diagrams**

- 1] Create a power-point presentation, called **TomH-Architecture-Diagram-2.pptx** ← Use your first name and initial. Update your architecture diagram.
- A. Make sure you address each of the following: (You are welcome to modify & re-visit your previous ADs.)
1. General, or Basic Functionality
  2. Navigation
  3. Order By
  4. Select Filters
  5. Technology
  6. Se\_?\_
  7. Supporting Class(es) Support
  8. Short Cut Jumps
  9. Transaction Views (if any)
  10. Names of Reports
- 2] Your Architecture Diagrams should include slides similar to the following. SUBSYSTEM NAME!

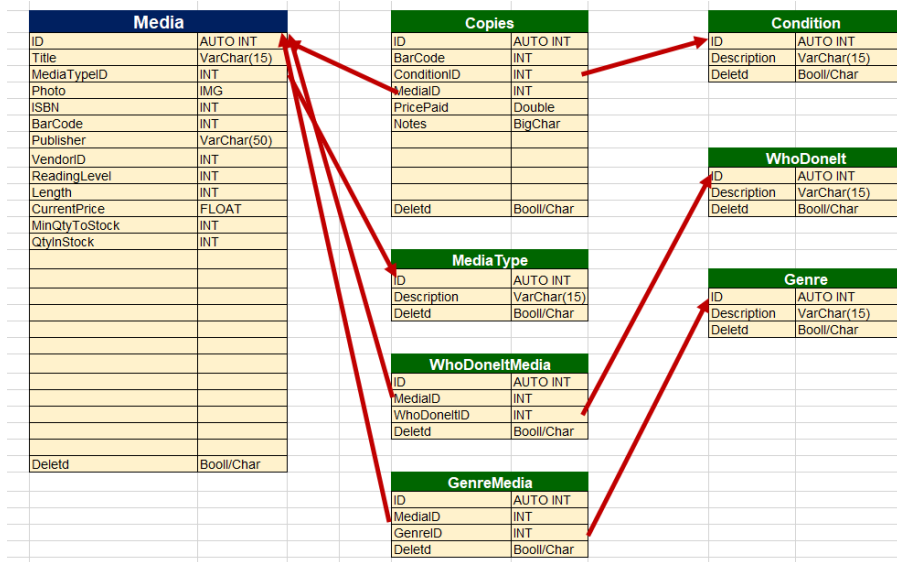


### 10 Points – Updated Class Diagrams

- 1] Create a spreadsheet, called **TomH-Class-Diagrams-2.xlsx** ← Use your first name and initial. You are welcome, and encouraged to, use google sheets, to create your design; if you do so, please export the sheets into an excel spreadsheet. Update your spreadsheet.
- A. Name the page with your Sub-System. It is OK/desirable if all of you place your subsystems in one xlsx. They will have to be combined at the end of the semester.



B. Use arrows to show relationship links (as is necessary)



**45 Points - Prototype**

- 1] Create a folder, called **TomH-Prototype-2** ← Use your first name and initial. I would suggest that each of you begin with your team's Navigation Presentation project.
- 2] Your prototype must include your team's image selection in Main.
  - A. The MenuStrip on main must include Login, Exit, and each of your sub-systems.
  - B. Try to minimize key strokes for your users.
  - C. The Title Bar must include your Application Name Written By Your Team Name.
  - D. Your whole team should use the same Main.cs
  - E. Do not use the whole screen when you open Main, but make it big enough to handle all of your forms.
  - F. In order to make your copy of Main more efficient for you during this design stage, add a line → MyForm.Show(); to the load event of your copy of Main.cs. Whenever we start your prototype, this sub-system form should automatically load inside you MDA container. No resizing of windows should be necessary.
- 3] Your prototype must include your team's your team's color scheme and Navigation Panel.
- 4] Review the guidelines in the Prototype tutorials. About your prototype

- A. Your prototype must include a MenuStrip that includes Add, Edit, Delete, Undelete, Search, Reports, Close, & Data. It should probably include Administrative. It may well include other selections. Many of these buttons should include sub-choices when expanded or pushed.
- B. Your prototype should include the team's navigation panel.
- C. Your prototype should include an Order By combobox that is appropriate to your sub-system.
- D. Your prototype should include one, or more, Select comboboxes that are appropriate to your sub-system.
- E. Most prototype should include Transactional Views on at least one of their tabs.
- F. Most prototype should include Notes on one of their tabs.
- G. Your prototype should include well-organized data entry fields.
- H. Your data entry fields should minimize the users' ability to enter invalid data wherever possible. This is just one of the Guidelines you should have reviewed.
- I. When this form opens, it must open to the correct size!
- J. When Undelete forms open, they must open to the correct size. All team members should use the same Undelete form; it should co-ordinate with your color scheme.
- K. When all Search forms open, they must open to the right size. All team members should use the same simple Search forms; they should co-ordinate with your color scheme.

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## BACKUP

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- 1] \_\_\_\_\_ {Initial/Pledge} I have placed a copy of → **TomH-Architecture-Diagram-2.pptx** in the Team's → "To Be Graded Folder"
- 2] \_\_\_\_\_ {Initial/Pledge} I have placed a copy of → **TomH-Architecture-Diagram-2.pptx** in your personal → "To Be Graded Folder"
- 3] \_\_\_\_\_ {Initial/Pledge} I have placed a copy of → **TomH-Architecture-Diagram-2.pptx** on my personal computer or my flash drive.
- 4] \_\_\_\_\_ {Initial/Pledge} I have placed a copy of → **TomH-Class-Diagrams-2.xlsx** in the Team's → "To Be Graded Folder"
- 5] \_\_\_\_\_ {Initial/Pledge} I have placed a copy of → **TomH-Class-Diagrams-2.xlsx** in your personal → "To Be Graded Folder"

- 6] \_\_\_\_\_ {Initial/Pledge} I have placed a copy of → **TomH-Class-Diagrams-2.xlsx** on my personal computer or my flash drive.
- 7] \_\_\_\_\_ {Initial/Pledge} I have placed a copy of → **TomH-Prototype-2** in the Team's → "To Be Graded Folder"
- 8] \_\_\_\_\_ {Initial/Pledge} I have placed a copy of → **TomH-Prototype-2** in your personal → "To Be Graded Folder"
- 9] \_\_\_\_\_ {Initial/Pledge} I have placed a copy of → **TomH-Prototype-2** on my personal computer or my flash drive.