

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 _____

Print Name _____

Signature _____ (pledged)

Print Name _____

Signature _____ (pledged)

Print Name _____

Signature _____ (pledged)

Print Name _____

Signature _____ (pledged)

Print Name _____

Signature _____ (pledged)

Print Name _____

Signature _____ (pledged)

Include Only Those Team Members Who Were Present Today! – Any Team Member Who Is Absent Must Communicate With Their Team → Complete Their Own Copy → and Submit It By The Beginning Of The Next Class To Get Credit!

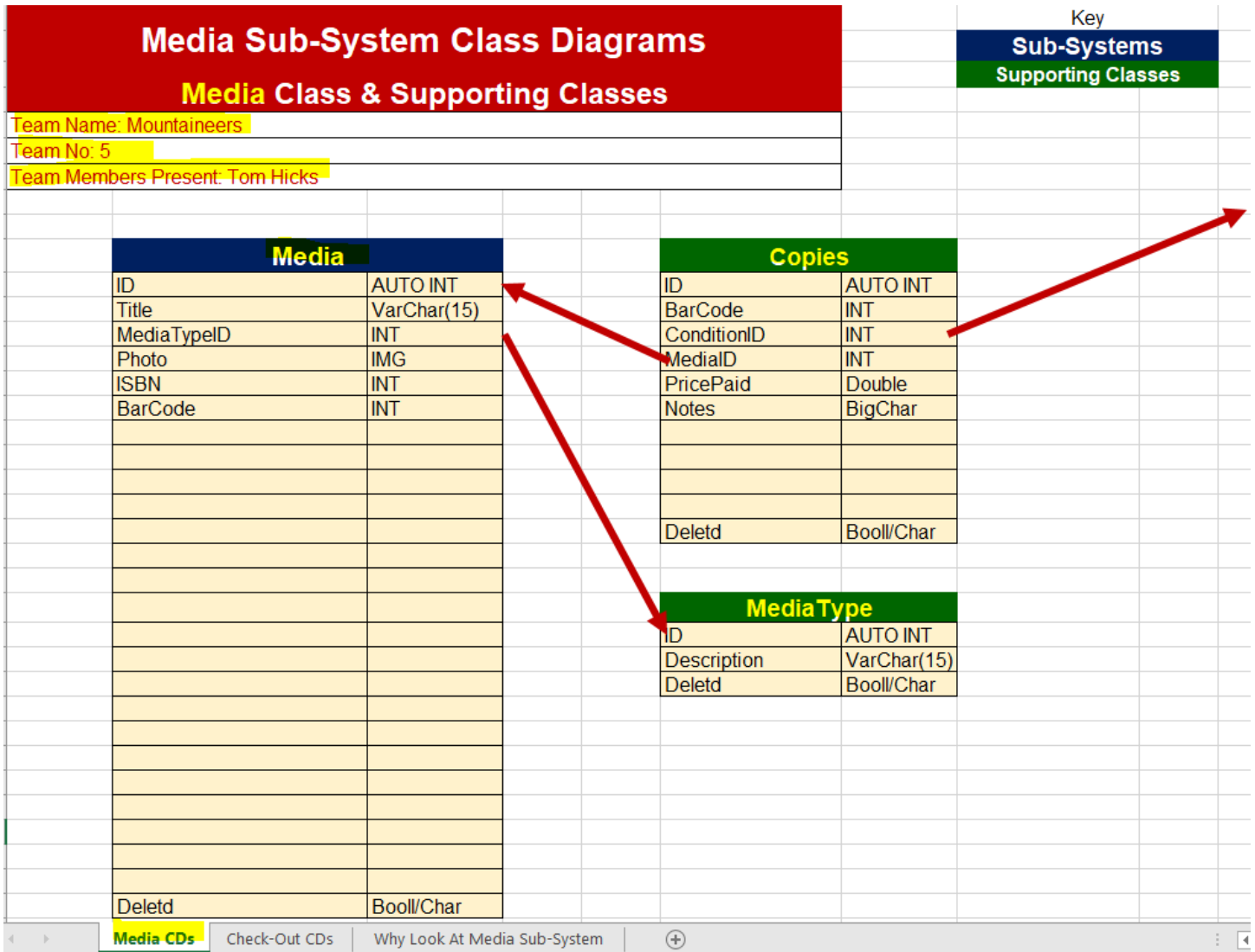
Class Diagrams II for the Elementary School Library Application In-Class Team Lab

(Turn In 1 Copy Per Team)
10 Points

Discuss The Following With Your Team

- 1] Download a copy of **Team-X-ELIB-Class-Diagrams-1.xlsx** spread sheet from your team folder.
- 2] The spreadsheet in your team folder should have already placed your team number in **Team-X** → if that is not the case, please do so now.
- 3] Rename this spreadsheet → **Team-X-ELIB-Class-Diagrams-2.xlsx**
- 4] Your spreadsheet should include many items in your initial class diagram, that we did not discuss/include as a group. Do not delete these.
- 5] During the previous Media Sub-System Class Diagram class, I attempted to include, and discuss, the need for a **Media Type** Supporting Class.

- 5] During the previous Media Sub-System Class Diagram class, I attempted to include, and discuss, the need for a **Copies** Supporting Class. Any time an application has items, that should be individually tracked, we will have something similar.
- 6] If you were distributing donuts, pizza, or sandwiches, you would not need to track these items individually. If you were distributing videos, appliances, computer equipment, many auto parts, or rental cars, you would certainly need to track each of the items individually.



- 7] Make sure that you have included the items, shown above, in your Media Class Diagrams tab. Rename the Class, Sub-Classes, and Tab as shown above.

Check-Out Sub-System Class Diagrams		Key	
Check-Out Class & Supporting Classes		Sub-Systems	
Supporting Classes			
Team Name: Mountaineers			
Team No: 5			
Team Members Present: Tom Hicks			
Check Out		Check Out Detail	
ID	AUTO INT	ID	AUTO INT
UserID	VarChar(15)	CheckOutID	INT
Date	Date	BarCode	INT
Deletd	Booll/Char	ConditionID	INT
		Due Date	Date
		DateTurned In	Date
		Fine Amount	Double
		Notes	VarChar(255)
		Deletd	Booll/Char

- 8] Make sure that you have included the items, shown above, in your Check-Out Class Diagrams tab. Rename the Class, Sub-Class, and Tab as shown above.

id	title	author	price	genreid	deleted
1	Physics Volume 1	Earnest Serway	21.25	16	F
2	The Daily Bible: New International Version	God etc.	25.99	4	F
3	University Physics	Young, Freedman	29.75	16	F
4	Physic Problem Solver	REA	42.5	16	F
5	Geography of the World	Parsons	84.95	16	F
6	Intro to Quantum Mechanics	Pauling	63.75	16	F
7	Pocket Medicine	Sabatine	44.95	16	F
8	Music, Physics, and Engineering	Olson	21.25	16	F
9	Primer of Quantum Mechanics	Chester	42.5	16	F
10	Thermodynamics	Fermi	10.62	16	F
11	Intro to Quantum Mechanics(live Cat, dead Cat)	Griffiths	25	16	F
12	Thermodynamics	Sears	63.75	16	F
13	Understanding Physics	Assimov	85	16	F
14	The physics of Waves	Elmore	63.75	16	F
15	Mechanics: Part 1 Statics	Merriam	31.87	16	F
16	Numerical Methods for Physicist	Garcia	63.75	16	F
17	Optics	Hecht	30	16	F
18	Quantum Mechanics	Bransden	51	16	F
19	Quantum Mechanics Vol 1&2	Messaih	25	16	F

- 9] I told you, at the beginning of this class, that the UniversityLibrary database was woeful. The Book class, shown above, is terribly inadequate.
- 10] Thus far, we have two Supporting Classes → we need more.
- 11] TAKE AT LEAST 15 minutes with your team → Revisit the Media Sub-System design with your team. Determine what additional Supporting Classes, if any, need to be added to your Media CDs. Add them!

→ If you exhaust the time I provide you, create a tab → "User CDs" and start working on the class diagrams for the elementary school User Sub-System design.

BACKUP

- 1] When finished, place a copy of → **Team-X-ELIB-Class-Diagrams-2.xlsx** in the Team's → "To Be Graded Folder"
- 2] When finished, either download a copy of → **Team-X-ELIB-Class-Diagrams-2.xlsx** to each person's personal flash drive or email it to each team member present.

IF YOU WERE ABSENT

- 1] If you were absent, it is your responsibility to download your own copy → **Team-X-ELIB-Class-Diagrams-1.xlsx**
- 2] Rename your own copy → **TomH-ELIB-Class-Diagrams-2.xlsx** ← using your name
- 3] You are to try this lab solo → after you have tried it by yourself, you are to get together with at least one of your team members and discuss their solution. You may look at their solution and update your personal copy, but you may not copy/past from their solution. You are to make, and turn in, your own solution.

If you were absent, please have the team member, who went over this material with you, sign below.

Print Name _____ Date _____

Signature _____

- 4] Place your copy in the team's To Be Graded Folder on Mars. → **TomH-ELIB-Class-Diagrams-2.xlsx** ← using your name
- 5] When finished, either download a copy of → **TomH-ELIB-Class-Diagrams-2.xlsx** to your personal flash drive or email it to yourself.