

Homework 1

Due Date, electronic portion: 9:29:59 AM on Thursday, September 24

Due Date, paper portion: beginning of class on Thursday, September 24

1. Do this portion of the homework on paper; don't forget to write your name at the top. If you have multiple pages, please staple them together. Do not turn in paper with "fringes." At the bottom of your homework, please write and **sign** the Honor Code pledge:

I have abided by the Wheaton College Honor Code in this work.

Design a database for a hobby/sport of your choice. Draw (neatly) a schema of this database. The database/schema should have the following characteristics [40 points]:

- be a realistic database of a real hobby/sport
 - at least four tables
 - each table should have at least five fields
 - key(s) that connect tables to one another
 - links that show how the tables connect
 - shows the type of links (one-to-many, many-to-one, etc.)
2. Electronic portion [40 points]:
Create an SQLite database in DB Browser that follows your design above.¹ The database should include the following characteristics:

- be consistent with the design shown in your schema
- have a good name for your database file with the correct filename extension
- have good, mnemonic² names for all tables
- have good, mnemonic names for all fields
- each table should be populated with an average of ten records. This means that some table could have fewer records and some have more. All together, you should have at least 40 records.
- the data should be realistic

Save your database under your last name + HW1 + .db, as in `gousieHW1.db`. Submit this on Canvas before the due date.

3. Create a query that displays the table that contains the most records. The table should display only three fields, with each of these having an alias that shows a "nicer" name than what the fields actually are. Print this table and hand it in with the above written portion of the homework. [10 points]
4. Miscellaneous, such as following all of the directions above, etc. [10 points]

¹You can do these two portions in either order.

²Don't know what this means? Look it up!