After completing your database, complete this sheet, print the Relationship window and attach it, and turn both in.

Item	**Points**

1) TABLES (30 pts)

    The database has at least 5 tables (9 pts)   _____

    All tables have primary keys (6 pts)   _____

    Tables & fields have descriptive names (6 pts)   _____

    Validation rules and validation text are used when appropriate (3 pts) _____

    Input masks are used when appropriate (3 pts)   _____

    Lookup fields are used when appropriate (3 pts)   _____

2) RELATIONSHIPS (20 pts)

    All relationships between tables are specified (6 pts)   _____

    Referential integrity is enforced for all relationships (6 pts) _____

    The relationship window has been printed and is attached (8 pts) _____

3) FORMS (40 pts)

    A switchboard form opens when the database is opened (4 pts) _____

    The switchboard includes buttons to open all forms and reports (6 pts) _____

    Forms are included for users to enter data into all tables (6 pts) _____

    All forms in the database follow a consistent look and feel (6 pts) _____

    All forms are easy to read and use (3 pts) _____

    All editable fields from the tables are included on the data entry forms (6 pts) _____

    Combo boxes are included where appropriate (3 pts) _____

    Fields on the forms use 'ControlTip Text' property to help users (3 pts) _____

    No spelling errors on forms (3 pts) _____

4) REPORTS (30 pts)

    Reports have been created for all tables in the database (12 pts) _____

    All reports in the database follow a consistent look and feel (6 pts) _____

    All reports have a descriptive title (3 pts) _____

    Report headings are descriptive and explain what the report shows (3 pts) _____

    No spelling errors on report (3 pts) _____

    Reports are sorted and use summary fields when appropriate (3 pts) _____

5) DATA (30 pts)

    All data has been entered in the database (30 pts) _____

TOTAL POINTS (150 POSSIBLE)   [   ]

Solution Design 3
Access Database Project

After we complete Lesson 5 in the text, we will create a database with Access. You will have 2 weeks to design, build, and enter data in the database. To start the process, we need to begin planning the database by completing the following steps:

1. What's the idea? We answer this by defining **who** the database is for and **what** information will be stored in the database. Past student project examples include:
   - Create a database for my mom to keep track of her music collection; 8-tracks, LP's, CD's.
   - Create a database for myself that keeps an inventory of my baseball card collection.
   - Create a database for TJ's girls swim team that keeps track of information about team members and documents the season results.
2. What **tables** are needed in the database? For this project, define at least **5 tables** for the database.
3. **Document** the tables for Mr. Fornstrom. Provide a name for each table and describe the data to be stored in the table.
4. Define **field names** and data types for each table.
5. Turn in your database idea with at least 5 tables.

Table Name	Field Name	Data Type	Properties, other Info

Deliverables for Project Planning:
1. One paragraph that describes **who** the database will be for and **what** will be stored in the database.
2. The names of at least 5 tables and one sentence for each table describing what will be stored in the table.
3. Details of the field names and data types to be included in each table. Use the format above.

If you complete all of the planning steps above, start compiling information to enter in the completed database. For example: scan or digitize pictures, find pictures and information on the internet, or any other tasks that will further the progress of your project.

Following is an example that demonstrates what should be produced for the **Access Database Planning** assignment.

Part 1: I'm going to create a database for my Mom that keeps track of her music collection. She has many 8-tracks, cassettes, LP's, and CD's.

Parts 2, 3, 4:

Table Name	Field Name	Data Type	Properties, other Info
Album Info	**AlbumName**	Text	Primary Key
	Medium	Text	Primary Key
	ArtistName	Text	
	MusicType	Text	
	Rating	Integer	1 to 5 star rating of the album
Genre	**MusicType**	Text	Example data: Rock, Jazz, R&B, Reggae
Medium	**Medium**	Text	Example data: 8-track, LP, 45, cassette, CD
Artist	**ArtistName**	Text	Primary Key
	WebsiteLink	Hyperlink	
Groups	**GroupName**	Text	Primary Key
	Artists	Text	
	WebsiteLink	Hyperlink	

Notes:
- Print your design and show it to another student. Reviewers should look for:
  - The same information being stored in multiple tables. → consider combining into 1 table.
  - The same information repeating in a field → consider making a "lookup" table that stores valid entries for the field.
- Reviewers should sign the bottom of your paper. Turn in to Mr. Fornstrom.
- After reviewing your idea with Mr. Fornstrom, start creating the tables in Access.

Access Project: Daily Work
Objectives:
1. Project Work – Work on building **Access Database Project**
2. **Demos??** → Please alert Mr. Fornstrom if you have **specific** questions about using Access or the rubric.
3. **Miscellaneous Questions??** → Please use the question format on the side wall poster so that Mr. Fornstrom will have all of the information to research the answer to your question.

Access Project Presentations
Objectives:
- o Project presentations **(20 points)**
  - Complete → shows all functionality of program/project (10 pts)
  - Presentation is practiced and polished (5 pts)
  - Presentation does not exceed 10 minutes (5 pts)