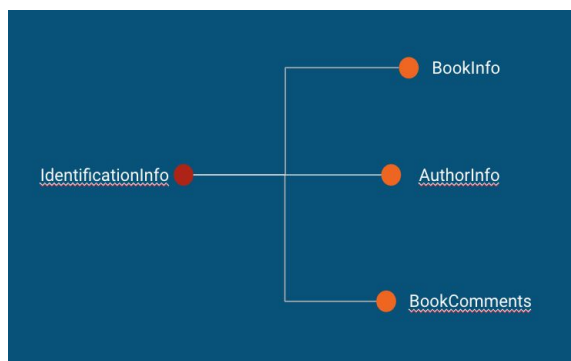<u>Booker Project Group Final Summary</u>

<u>Project Description:</u> Our project was creating a system to keep track of books nominated for an award. The books are all nominated either on the long or short list for the Booker Prize which is comprised of books authored in the English language and published in the UK. The long list is the first list of nominated books and the short list is a later list of nominated books. The books range in age starting from about 1970 to the present. We worked with Professor Brook Miller for his research that analyzes similarities between books that have won the award and books that have been considered for the award. The end goal was to allow the user to view and compare various aspects of the nominated books and allow them to visually represent these aspects in a series of graphs and statistical tools. The goals of this project was to setup a database system to store book information, create a user interface to add and modify books, and to create graphs for users to analyze the data.

<u>Abstract representation of the data model:</u> We created 4 tables. The IdentificationInfo table is the main table with the primary key being the ISBN number and the other 4 tables which are BookInfo, AuthorInfo, and BookComments have the ISBN number as the primary and foreign key. This figure shows the representation of our tables visually. We'd add a picture with all the fields, but then we'd run out of space. There's somewhere around 78 entries in the system as of completion of the project, although there are plans to add more in the future for analysis.

<u>Goals achieved and goals not achieved:</u> We did achieve all of our main goals such as creating/implementing a new table schema, forms to add and modify books, and create graph capability. This project will continue past this class and therefore, there is future work for this project, but for the purposes of this class, we achieved our goals.

Potential for future work: Since this project is an ongoing project that other students will be working on next semester, there is a lot of potential for future work. One goal for the future is creating a Login / Authentication system to ensure not just anyone can enter book information. Another update is more sophisticated graph options such as graph types or number of fields that can be analyzed. Another thing that could be added is administrative control that allows for deletion or exporting/importing abilities and external access for scholars from different institutions. Also, further normalization of tables could be implemented such as creating another table called AuthorID to eliminate duplicate data in AuthorInfo table and handling of dual/triple citizenships of authors in a more efficient way.

Overall Reaction: Our overall reaction is a positive one since we were able to complete our 4 main goals that we set in the beginning of the project. We also got to explore implementing the project using Microsoft access until we realized the learning curve was too steep considering the time allotted. When first hearing about the project it appeared to be a rather daunting task, but considering the progress we made it seems like a successful venture. Professor Miller also seemed very satisfied with the results we were able to show him.