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**Project Plan**

The hypothetical business problem is that a movie theater is trying to determine a relationship between the type of movie people are buying tickets for and the types of snacks that are sold at the concession stand. For example, maybe more candy is sold than popcorn when the theater is showing a children’s fantasy film than when they show an adult horror film. To do this I am going to create a database that will keep track of ticket sales, films showing, film rating, film genre, concessions inventory, and concession sales. Through my reports I hope to transform my data into information regarding the connection between the dates certain types of films are playing and the dates certain types of concessions that are sold. They will also keep track of revenue. This will tell us what is being sold at the concession stand on the same day as a particular film type. My forms will be able to help update inventory, sales, what was sold and the date of sale. I will also include subforms to connect the tables required for each form.

**Data Entry Forms**

1. **Ticket Sales Form**- Tables involved: Ticket Sales & Film

This form will allow the Ticket Sales table to be updated and have access to the Film table (dropdown list) so the correct film ID can be matched to the sale.

1. **Concession Sales Form**- Tables involved: Concession Sales & Concessions

This form will allow the Concession Sales Table to be updated and have access to the Concessions table (dropdown list) so the correct Item ID can be matched to the sale.

1. **Film Identification Form**- Tables involved: Film & Ratings & Genre

This form will allow the Film Table to be updated when a new film is added and have access to the Ratings (dropdown list) & Genre (dropdown list) tables so the correct Rating and Genre ID can be matched to the film.

1. **Concessions Inventory Form**- Tables involved: Concessions

This form will allow the Concessions Table to be updated when a new item is added

**Reports**

1. **Sales Date Report**- Tables involved: Ticket Sales & Concession Sales & Film & Concessions

This Report will show a correlation between types of tickets sold to what type of film and types of concessions sold on the same day.

1. **Ticket Sales to Film Report**- Tables involved: Ticket Sales & Film

This Report will calculate how much money was brought in for a particular film at the box office and what type of film generates the most income.

1. **Inventory to Concession Sales Report**- Tables involved: Concessions & Concession Sales

This Report will keep a real-time inventory of theater concessions and alert viewers when an inventory intake purchase needs to take place.

**Main Menu Form**

The Main Menu Form will be the main navigation point to enter my database. A “Main Menu” button will help the user move from form to form or different element of the database. I will also have an “autoexec” macro in my database that will automatically take you to the Main Menu form when the database is opened.

The Buttons included in the Main Menu will be:

1. Film Table
2. Concessions Table
3. Concession Sales Table
4. Genre Table
5. Ratings Table
6. Ticket Sales Table
7. Table Relationships
8. Ticket Sales Form
9. Concession Sales Form
10. Film Identification Form
11. Concessions Inventory Form
12. Sales Date Report
13. Tickets Sales to Film Report
14. Inventory to Concession Sales Report