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Discussion PDF

The database I have created is for the Antique Celebrity Sounds Shop and this database is primarily for the day-to-day business tracking of instruments, customers, and shop operators. The Customer table offers a comprehensive look into the names, phone numbers and purchases of the customers which is directly linked to Instruments table through a Purchase ID. The purchase ID can be used to identify the Instrument ID and then the Received payment ID for a fluid tracking of finalized transactions and who they belong to. In the Instruments Table it contains attributes for instrument identification, whether an instrument is an antique or not and the type of instrument sold. This table is then linked to 3 subcategories of instrument and each of those is linked 3 additional subcategories. In the first subcategory list we determine if an instrument is of type string, wind, or percussion. Each of these contains information about which type it is, the instrument id and the stored location of that item. The subcategory underneath that contains the meat and potatoes of the instruments contains attributes such as size, color, the type of string wind or percussion and can easily be adapted to contain things such as previous owners, costs, age, etc. Finally, the instrument table is directly linked to the Shop operator table which contains the primary transactions as well as all shop operators and can easily be adapted to contain more information about our employees as necessary, but it would be advised to add an additional table for this variety of information. One of the primary

functions of these transactions is tied to a ReceivedPaymentID so we know which transactions have completed, what the cost was, and through the use of its foreign key can show which purchases were of antique items and which ones were not. The shop operator table can also be used to compute the proper commissions for each employee which is currently calculated to be 5% in my query results but can adjusted accordingly and in further iterations may use triggers to incentivize employees with more than certain number of transactions tied to their Operator ID's.