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Database Proposal

I would like to create a database related to theatre and theatrical productions. This would include entities like audience members (name, seat, etc), tickets (ticket number, seat, etc), actors (name, role, etc), and others concerning the production of a show. This would be used to keep track of every element of a production, similar to how acting companies and theatres keep track of their records.

Sample entities:

Audience\_member(first\_name, last\_name, seat\_number)

Ticket(ticket\_number, seat\_number, row)

Actor(first\_name, last\_name, role, play\_title, salary)

Theater(name, street, max\_seats)

Season(play\_title, playwright\_first\_name, playwright\_last\_name, opening\_date)

And there could be others, like director and lighting designer that could be associated with the shows in the season. This would, however, mean that there will be repetition in some of these entities.

Sample queries:

Say you wanted to get all the last names of audience members that are sitting in row D:  
Select last\_name from Audience\_member  
where seat\_number in  
(select seat\_number from Ticket where row=”D”);

Or maybe you wanted to get the first and last names of actors in a show that is in the current season:  
Select first\_name, last\_name from Actor  
where play\_title in  
(select play\_title from Season);

I have not gotten work done on this before, but I know that databases exist within the theatre world that outline things like this so as to keep things organized. I don’t exactly know what is meant by “what needs to be done”, but if that is referring what needs to be done in the professional world, there isn’t much. Having databases like this is a huge deal for theaters, especially due to the tight and rushed nature of the theater community.