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## 1. ER and Relational Databases

(a) The ER diagram included in the assignment could be changed into the following story.

- i. A new venture, has a number of venues. Each venue is identified by its name and address and includes an organizer. Additionally each venue can be staffed or unstaffed. A staffed venue will include a budget and an unstaffed venue has a total area.
- ii. Each venue has a number of different rooms which are identified by number and have a limited capacity.
- iii. Each staffed venue is controlled by a member. They have a unique id, a name, and possibly multiple phone numbers.
- iv. Each staff member was hired for a certain job to work on with a job id and payment established. Additionally these jobs have a start and end date.
- v. The staff members all sign a contract. Contracts include an id, date signed and any additional details.
- vi. The venues can be reserved by companies. The reservation agreement will include an id and payment. The reservation data is also included.
- vii. Company information is kept including parent company information including any dates on which they were acquired.

(b) Relational Database

Venue(name address organizer)