

1

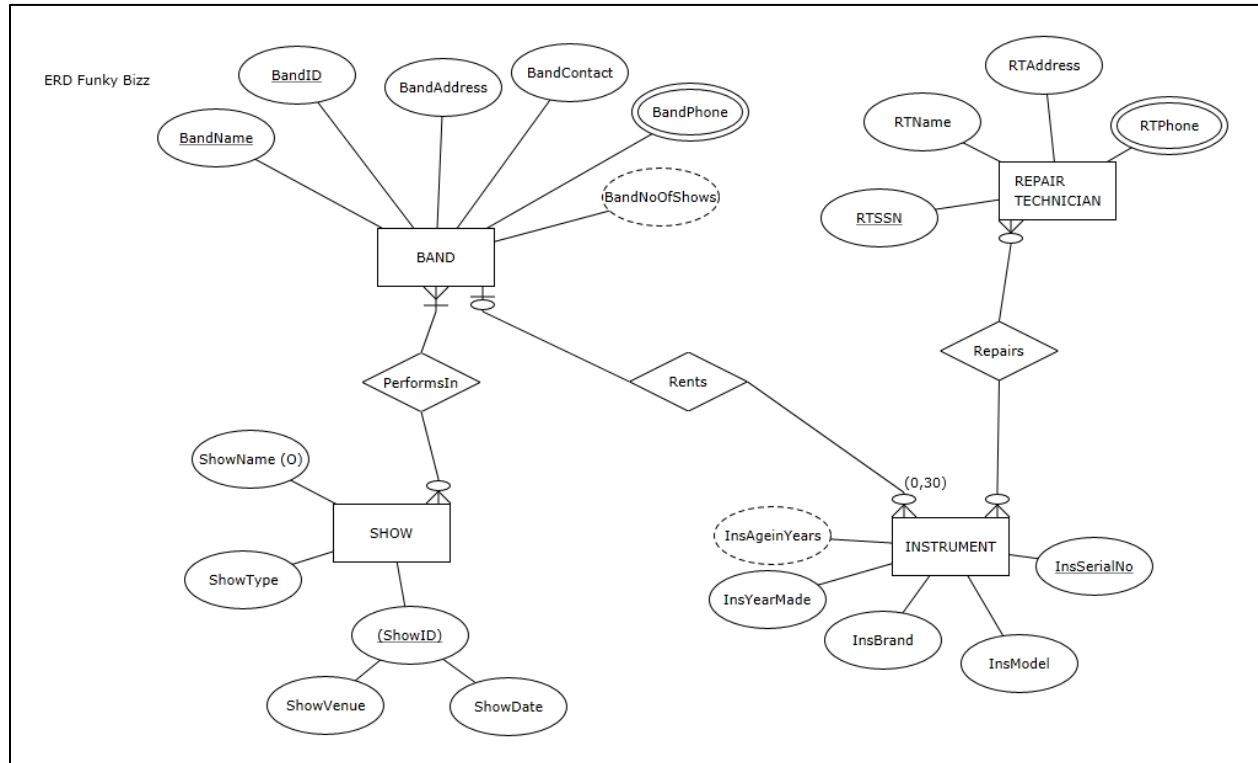
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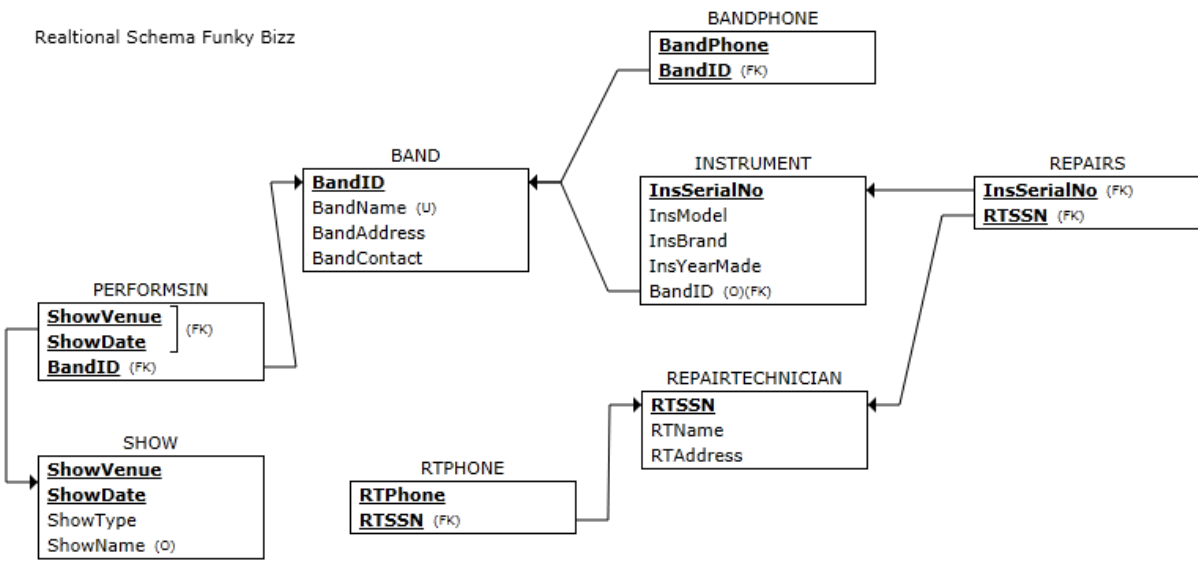
4

MC2 Funky Bizz Relational Mapping Problem and Solution

Map the ER diagram for the Funky Blizz Oerpations Database into a relational schema



Realtional Schema Funky Bizz



MC2 Funky Bizz Mini Case

page 53 of Juvic et al. textbook

Funky Bizz is a rental business that rents musical instruments to bands. Create the ER diagram for the Funk Bizz Operations Database, based on the following requirements.

- The Funky Bizz Operations Database will keep track of instruments, bands, repair technicians, and shows.
- For each instrument, Funky Bizz will keep track of a unique instrument serial number as well as the instrument model and brand, the year when the instrument was made and the age (measured in years) of the instrument.
- The customers of Funky Bizz are bands. For each band, Funky Bizz will keep track of the unique band name and unique band identifier as well as the band's address, contact person's name, and multiple phone numbers.
- Repair technicians maintain the instruments. For each technician, Funky Bizz will keep track of a unique SSN as well as a name, address and multiple phone numbers.
- Funky Bizz will record information about shows that its customer bands perform in. For each show it will keep track of a unique show identifier composed of the show venue name and date. For each show, it will also keep track of show type and show name (a show may or may not have a name).
- A band does not have to rent any instruments, but may rent up to 30. Each instrument may be rented by one band or by no bands at all.
- A repair technician may repair many or no instruments, and an instrument may be repaired by many or no technicians.
- A band may perform in many shows, but does not have to perform in any. Each show must have at least one band performing, but may have many bands performing.
- For each band, Funky Bizz keeps track of the number of shows that each band performs in.

E R D Fuek y Bizz

