Project Phase 2 and Assumptions

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In completing this homework we consulted…

* Gehrke, Johannes, and Raghu Ramakrishnan. *Database management systems third edition*. McGraw-Hill, 2003.
* Bakalov Petko’s CS 166 Database Management Systems Video Lectures and Lecture Slides. University of California – Riverside.
* Qizhong Mao’s CS 166 Database Management Systems Video Lab, Lab Assignments & Solutions, and Lab Notes. University of California – Riverside.

All of the code is original.

See next page for Project Phase 2 Documentation.

Project Phase 2 Documentation

2.4 Cinema

* *A cinema has one or more theaters: see tables cinema\_has\_city and cinematheater\_has\_cinema*
  + This cannot be enforced.

2.5 Cinema Theater

* *A theater must exist in exactly one cinema: see table cinematheater\_has\_cinema*
  + Non-nullable foreign key cinemaid REFERENCES cinema\_has\_city.

2.7 Show

* *One and only one movie can be played in a show: see table show\_played\_movie*
  + Non-nullable foreign key movieid REFERENCES movie.
* *A show must have at least one seat: see table showseating\_has\_show*
  + This cannot be enforced.

2.8 Booking

* *A booking can be made by one and only one user: see table booking\_has\_show\_by\_user*
  + Non-nullable foreign key email REFERENCES useraccount.
* *A booking must have at least one seat booked for a show: see table booking\_has\_show\_by\_user*
  + This cannot be enforced.
* *Some booking may not have a payment: see table booking\_payment*
  + Nullable foreign key bookingid REFERENCES booking\_has\_show\_by\_user.

2.10 Payment

* *A payment must belong to exactly one booking: see table payment\_has\_booking*
  + Non-nullable foreign key bookingid REFERENCES booking\_has\_show\_by\_user.