Unox Database Case Study

Unox Multiplexes Inc. is looking to build an online portal to enable customers to book tickets on the internet. You have been assigned the task of creating this portal application. The following are the detailed requirements:

There are four screens in the multiplex. Each screen will have four shows in a day –
morning show(10am), matinee (1.30pm), evening show(5pm) and first show(8.30 pm). The same screen may have different movies in different shows. The schedule of shows changes every Thursday night. Following is the seating capacity of each screen:
Screen A (Gold class) – 150 seats
Screen B (Silver class) – 200 seats
Screen C and D (Iron class) – 250 seats

The rates for the tickets
Gold – Rs. 500/ticket
Silver – Rs. 300/ticket
Iron – Rs. 200/ticket

Movie information that would be displayed on the portal would be Title, Genre, Rating, Status, PosterImage and the star cast. Star cast would be name of the person with their role in the movie. Movie would also have reviews. Reviews are written by the review team. A review would typically have content [the actual review written], date and time of the review and the reviewer name.

User can book tickets online by selecting the movie, screen and show and by entering information like name, credit card number, pin number, no of tickets and the date for which booking needs to be done. Total cost for the entire booking is also stored.

Come out with

   a. Entities
   b. Relationships
   c. Cardinalities
   d. Participation constraints
   e. Keys for entities
   f. Attributes
   g. Final E-R diagram
   h. Tables from the E-R diagram
   i. Create a database of the same in MySql. Name the database Unox.