CS258 Unsupervised Practical Assignment: (2022/2023)

GigSystem Specification

A music promotion company is planning to book acts for an upcoming festival. You will help them design a system to store information about which acts have played in a particular venue.

The system must consist of the following tables with the following attributes:

Act

actID	SERIAL
actname	VARCHAR(100)
genre	VARCHAR(10)
standardfee	INTEGER

gig

gigID	SERIAL
venueid	INTEGER
gigtitle	VARCHAR(100)
gigdate	TIMESTAMP
gigstatus	VARCHAR(10)

act_gig

actID	INTEGER
gigID	INTEGER
actfee	INTEGER
ontime	TIMESTAMP
duration	INTEGER

venue

venueid	SERIAL
venuename	VARCHAR(100)
hirecost	INTEGER
capacity	INTEGER

gig_ticket

gigID	INTEGER
pricetype	VARCHAR(2)
price	INTEGER

ticket

ticketid	SERIAL
gigID	INTEGER
pricetype	VARCHAR(2)
Cost	INTEGER
CustomerName	VARCHAR(100)
CustomerEmail	VARCHAR(100)

The data supplied will never exceed the lengths indicated above. For instance, CustomerName and CustomerEmail should never be more than 100 characters long, and genre will never be longer than 10 characters. You should not change any of the data types from those indicated.

Acts (such as a band, solo musician, comedian, etc.) have a name and a *standardfee* that they would usually charge for being part of a gig. Act names are unique. Acts have a genre (such as “classical”, “rock”, “pop”). Act standard fees are not negative (but may be free).

Gigs take place in a venue, have a *gigtitle*, take place on a particular *gigdate* (including start time), and have a *gigstatus* of either “Cancelled” or “GoingAhead”.

Acts are associated with a particular gig via the *act_gig* table. Each act charges an *actfee* (not necessarily their *standardfee*) for a gig. Act fees are not negative (but may be free). Acts have a particular *ontime* when they start (which must be at or after the gig’s *gigdate*), and their