Samuel Shelley
CPT 240 I01
Prof Carman
March 26, 2024

Project Milestone 1

Description of Database

     This database will work alongside a music venue to build a database to store events, bands, VIPs, and more. Using a database management system and implementing a normalized database will allow the music venue to be more efficient and productive. The name of this business that will utilize this database is The Millennia Pavilion. The database will be used by administrators and stakeholders to sufficiently handle certain business requests as described below.

List of Business Requirements

- Customers can view upcoming Scheduled Events
- Customers can have a VIP status for an Event
- Insert and Update Artists/Bands
- Insert and Update Scheduled Events
- View a Set List of Artists and their Songs
- Customers can sign up for Emails
- View an Event's Information after it has Finished such as Attendants and Revenue

Entities

Artist/Bands
PostEventInfo
Event
EventCustomer
Customer
Set List

1:1 – PostEventInfo <-> Event

M:N – Event <-> Customer

1:N – Artist <- Set List

     Event <- Set List

     EventCustomer <- Event

     EventCustomer <- Customer

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Artist
ArtistID	
ArtistName	
ArtistHomeTown	
ArtistGenre	

SetListItem
SetID	
SongName	
ArtistID	(FK)
EventID	(FK)

Customer
CustomerID	
CustomerFirstName	
CustomerLastName	
CustomerEmail	
CustomerMailerList	

PostEvent
EventID	(FK)
EventAttendantsNumber	
EventRevenue	
EventDuration	

Event
EventID	
EventDate	
EventTime	
EventName	

EventCustomer
EventCustomerID	
VIPLevel	
CustomerID	(FK)
EventID	(FK)