Entity: **LED_PROJECT**

Field Names:	Project_Name	Description	Song_Path
Datatype:	VarChar(50)	VarChar(50)	VarChar(100)
Domain Description:	Project_Name - Primary Key		
Description:	Holds distinct project names and descriptions for keeping effects grouped together and exportable together		

Entity: **LIGHTING_EFFECTS**

Field Names:	Lighting_Effect	Description
Datatype:	Int	VarChar(100)
Domain Description:	Lighting_Effect - Primary Key	
Description:	Holds all selectable lighting effects available for composer and microcontroller performance. Lighting_Effect corresponds with a struct valuepassed to microcontroller	

Entity: **MCU**

Field Names:	MCU_Name	Description	Project_Name
Datatype:	VarChar(50)	VarChar(50)	VarChar(50)
Domain Description:	MCU_Name - Primary Key	Project_Name - Foreign Key on LED_Project	
Description:	Holds distinct microcontroller names for projects. Allows user to name and keep track of which effects will run on which microcontroller, and which microcontrollers will attach to which costume		

Entity: **MCU_PINS**

Field Names:	Pin_Setup	Description	MCU_Name	Data_Pin	Clock_Pin
Datatype:	BigInt	VarChar(50)	VarChar(50)	TinyInt	TinyInt
Domain Description:	Pin_Setup - Primary Key	MCU_Name - Foreign Key on MCU			
Description:	Holds distinct data - clock pin setups for different microcontroller. Allows program to distinguish between multiple led strips, and lets user program multiple strips on one microcontroller using multiple data and clock pins				

Entity: **LED_EFFECT**

Field Names:	Effect_Num	Project_Name	MCU_Name	Pin_Setup	Num_LEDs	Lighting_Effect	Effect_Start	Effect_Duration	Delay_Time	Led_Position_Array	LED_Color_Array	Iterations	Bounces	Brightness	Incr_Brightness	Brightness_DelayTime
Datatype:	BigInt	VarChar(50)	VarChar(50)	BigInt	SmallInt	Int	Float	Float	Float	VarChar(999)	VarChar(999)	SmallInt	SmallInt	SmallInt	SmallInt	Float
Domain Description:	Effect_Num - Primary Key	Project_Name - Foreign Key on LED_Project				Lighting_Effect - Foreign Key on Lighting_Effects				MCU_Name - Foreign Key on MCU	Pin_Setup - Foreign Key on MCU_Pins					
Description:	Holds distinct effect sequences for a data-clock pin pair. Allows lighting effects to be added and timed by user to play as required per led strip. Also holds values that can be exported to a text file as structs and uploaded into microcontroller															