

Senior Project

Database model documentation

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1. Model details

Model name:

Senior Project

Version:

2.3

Database engine:

mysql

Description:

2. Tables

2.1. Table Genres

Description:

All music genres stored here

2.1.1. Columns

Column name	Type	Properties	Description
GenreID	int		
GenreName	varchar(20)		

2.2. Table Artists

Description:

All artists stored here

2.2.1. Columns

Column name	Type	Properties	Description
ArtistID	int		
ArtistName	varchar(30)		
Genres_GenreID	int		

2.3. Table Albums

Description:

All albums stored here

2.3.1. Columns

Column name	Type	Properties	Description
AlbumID	int		
AlbumName	varchar(30)		
Artists_ArtistID	int		

2.4. Table Songs

Description:

All songs stored here

2.4.1. Columns

Column name	Type	Properties	Description
SongID	int		
SongName	varchar(20)		
Albums_AlbumID	int		

2.5. Table Users

Description:

All user information

2.5.1. Columns

Column name	Type	Properties	Description
UserID	int		
UserName	varchar(20)		
Password	varchar(20)		

3. References

3.1. Reference Artists_Genres

Genres	0..*	Artists
GenreID	<->	Genres_GenreID

3.2. Reference Albums_Artists

Artists	0..*	Albums
ArtistID	<->	Artists_ArtistID

3.3. Reference Songs_Albums

Albums	0..*	Songs
AlbumID	<->	Albums_AlbumID