

IT 214 DBMS

Lab 8

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Original Design of the Database

1. **User** (**User ID**, User Name, Password, Email ID, Mobile Number, Plan ID, User Type)
2. **Music** (**Music ID**, Music Name, Music Language, Premium Information, Views,Likes, Music Type, Artist ID, Album ID)
3. **Artist** (**Artist ID**, Artist Name, Password, Total song made, Company ID)
4. **Album** (**Album ID**, Album Name, Album rating, Profit, Artist ID, Company ID)
5. **Production Compnay** (**Company ID**, Company Name, Base Salary)
6. **Admin** (**Admin ID**, Admin Name, Password)
7. **Plan** (**Plan ID**, Plan Name, Plan Duration, Plan Price)
8. **Transaction** (**Transaction ID**, Transaction Mode, Sender ID, Receiver ID, Sender Type, Receiver Type)

List of All Dependencies

Primary Key (PK) is Underlined in the above schema of the database.

There is a relationship between **Music** and **Album** which tells us which song belongs to which album. For this relationship, there is a foreign key in Music named **Album ID**.

There is a relationship between **Music** and **Artist** which tells us who is the singer(Artist) of a particular song. For this relationship, there is a foreign key in Music named **Artist ID**.

There is a relationship between **Album** and **Artist** which tells us who is the Artist of a particular Album. For this relationship, there is a foreign key in the Album named **Artist ID**.

There is a relationship between **Artist** and **Production company** which tells us that an Artist belongs to which production company. For this relationship, there is a foreign key in the Artist named **Company ID**.

There is a relationship between **Album** and **Production company** which tells us which production company has produced the Album. For this relationship, there is a foreign key in the Album named **Company ID**.