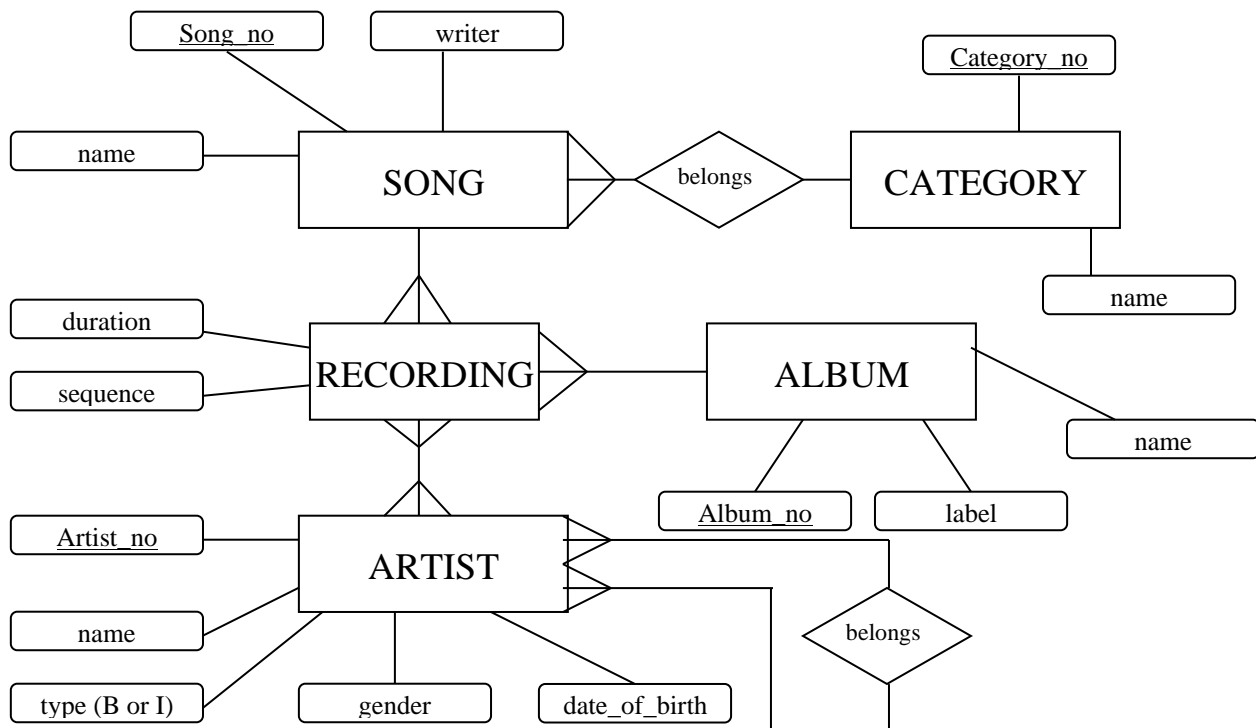


**Business Data Management and Analytics**
**Tutorial 6 - Data Modelling – ERD ↔ Relational - SOLUTION**
**Homework 1 – Translating ERD to Relational**

Draw a relational model for the following MUSIC COLLECTION E-R Diagram:



SONG	RECORDING	ALBUM	ARTIST	REART
<u>Song no</u>	<u>Recording no#</u>	<u>Album no</u>	<u>Artist No</u>	<u>Recording no +</u>
Name	Duration	Label	Name	<u>Artist no</u>
Writer	Sequence	Name	Type	
<u>Category no</u>	<u>Song no</u>		Gender	<b>BANDART</b>
	<u>Album no</u>		Date of birth	<u>Bandart No</u>
<b>CATEGORY</b>				<u>Band_artist No</u>
<u>Category No</u>				<u>Individ_artist No</u>
Name				Date joined <sup>##</sup>

<sup>##</sup> vince added this field!

Note: needed to add a primary key for RECORDING entity

## Homework 2 – translating Relational to ERD

Draw an E-R diagram (including attributes) for the following PURCHASING relational model:



Customer(Customer ID, Tax ID, Name, Address, City, State, Zip, Phone)

Order(Order No., Customer ID, Date Placed, Date Promised, Terms, Status)

Order Line(Order Line No., Order No., Product Code, Qty)

Product(Product Code, Product Description, Price)

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