Unit 2 Creating Systems to Manage Information

BTEC

Level 3 National in Information Technology
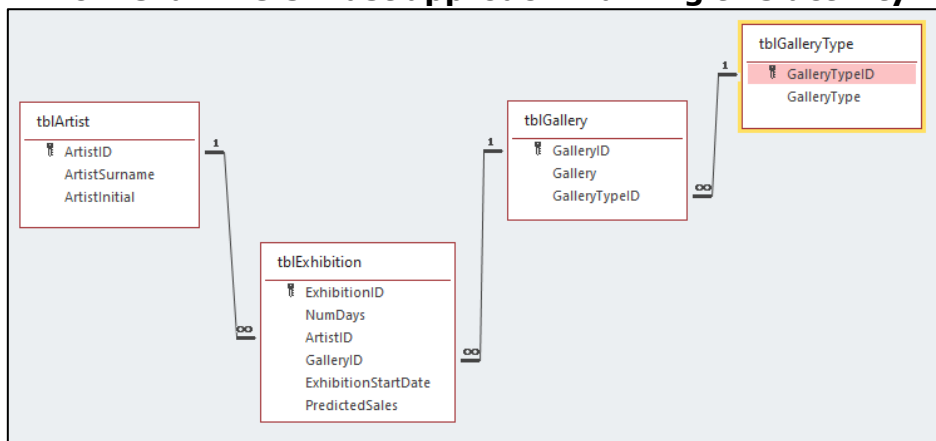
January 2021

Activity 1
Marking Guidance and Marked Examples

Activity 1 – Database Relationship Screenprint (45 mins)
How examiners must approach marking this activity

Trait 1	**General**
	• Candidates should be using ***all and only*** attributes given in data extract
	• Look at each field. Count an error with a field **once only**. For example, ArtistID should be in tblArtist and tblExhibition. If it is not in both then that is **one** error.
	• If tables are truncated then the fields you cannot see are missing
	• If fields are truncated so long as you can determine what they are being used for then accept

Band 1	More than 2 attributes in wrong table/missing
Band 2	2 attributes in wrong table/missing
Band 3	1 attribute in wrong table/missing
Band 4	All correct and no extra attributes or tables

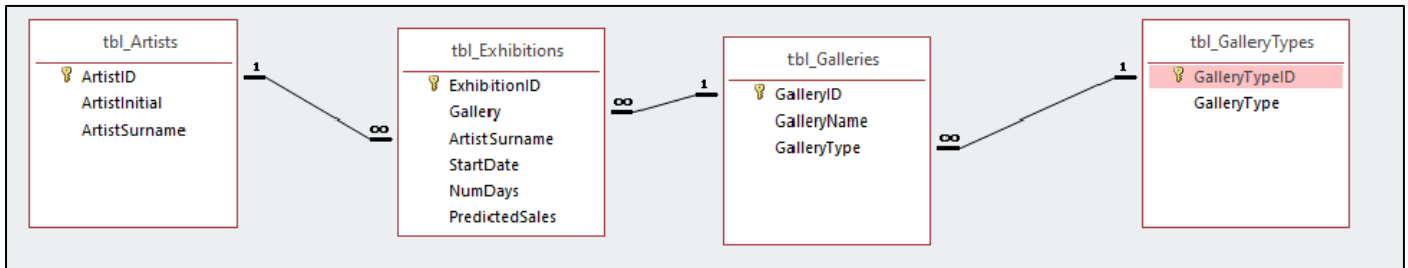| Trait 2	**Relationship lines**
	• Check lines only. DO NOT look at fields
	Relationship types
	• Link on correct fields and referential integrity enforced

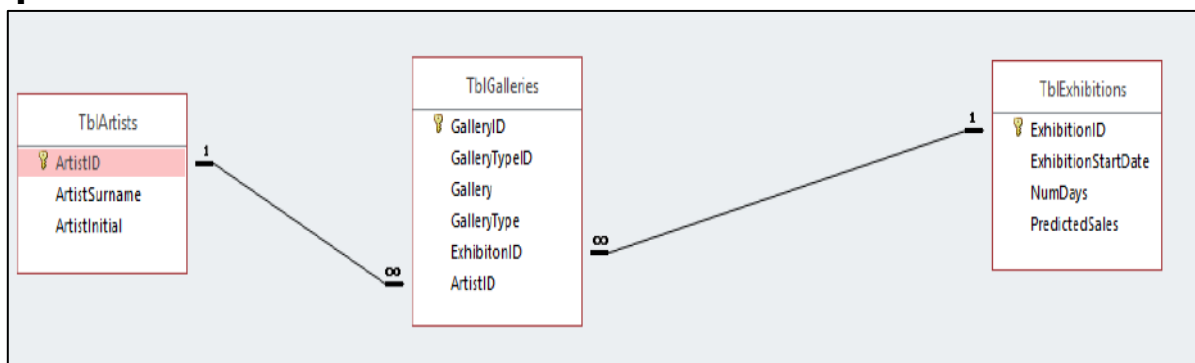|	
Band 1	• One relationship line correct • Ignore relationship type
Band 2	• Minimum of two relationship lines correct • Ignore relationship type
Band 3	• Exactly four tables, three relationships and three relationship types present • Two out of three relationships and relationship types correct
Band 4	• Exactly four tables, three relationships and three relationship types present • All relationship lines and relationship types correct

Example A

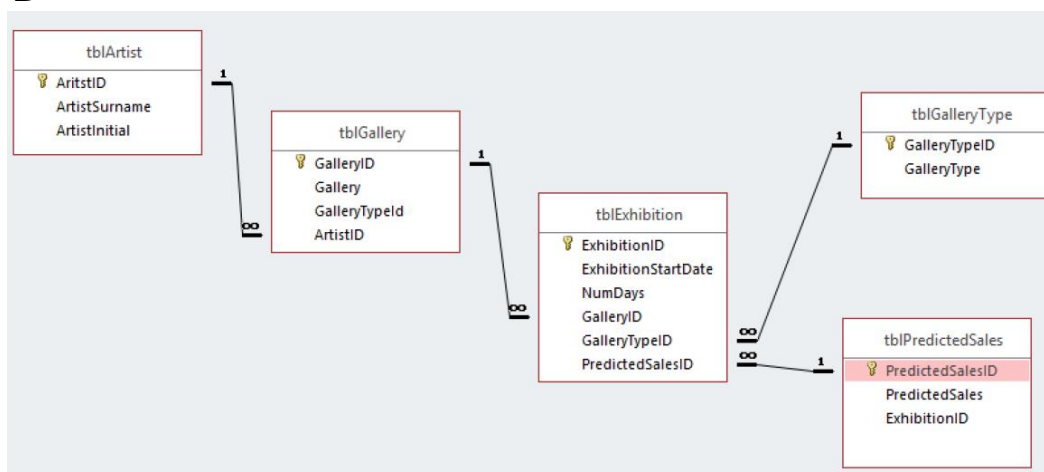| Trait 1	**tblExhibition** ArtistID is missing GalleryID is missing	**tblGalleryType** GalleryID should not be there ExhibitionID should not be there	Band 1
	tblGallery ArtistID should not be there	**tblArtist** All correct	
	Field errors ArtistID GalleryID ExhibitionID **3 errors**		
Trait 2	**Relationship Lines** tblExhibition to tblGalleryType – should not be there tblGallery to tblGallery type – line is ok tblArtist to tblGallery should not be there **1 line correct** **Relationship types** Do not need to check types as only 1 line is correct		Band 1
		Overall Band	1
		Overall Marks	2

Example B

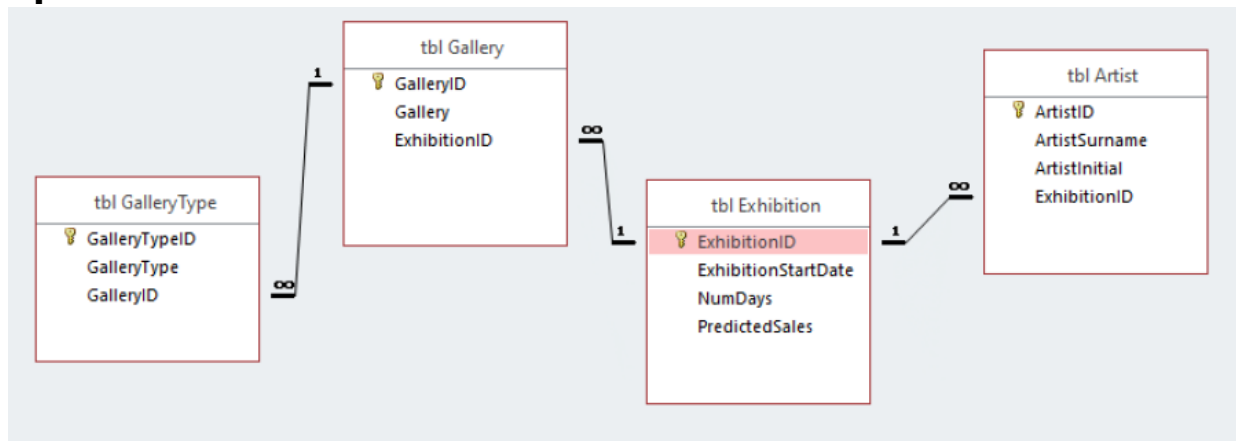| Trait 1	**tbl_Artists** All correct	**tbl_Galleries** GalleryType should not be there	Band 1
	tbl_Exhibtions Gallery should not be there ArtistSurname should not be there	**tbl_GalleryTypes** All correct	
	Field errors • Gallery • ArtistSurname • GalleryType **3 errors**		
Trait 2	**Relationship Lines** • tbl_Artists to tbl_Exhibitions correct • tbl_Exhibitions to tbl_Galleries correct • tbl_Galleries to tbl_GalleryTypes correct **3 lines correct**		Band 2
	Relationship types • tbl_Artists to tbl_Exhibitions is 1:M but should be ArtistID to ArtistID so it is incorrect • tbl_Galleries to tbl_Exhibitions is 1:M but should be GalleryID to GalleryID so incorrect • tbl_GalleryTypes to tbl_Galleries is 1:M but should be GalleryTypeID to GalleryTypeID so incorrect **0 relationship types correct**		
		Overall Band	2
		Overall Marks	3

Example C

Trait 1	**TblArtists** All correct	**TblGalleries** GalleryType should not be there ExhibitionID should not be there ArtistID should not be there	Band 1
	TblExhibtions ArtistID is missing GalleryID is missing	**Gallery type table** GalleryTypeID is missing GalleryType is missing	

	Field errors
	  • GalleryType
	  • ExhibitionID
	  • ArtistID
	  • GalleryID
	  • GalleryTypeID
	5 errors		

Trait 2	**Relationship Lines**
	  • TblArtists to tbl_Galleries is incorrect
	  • TblGalleries to TblExhibitions is correct
	1 line correct
			Band 1

	Relationship types
	  • TblArtists to TblGalleries is incorrect
	  • tbl_Galleries to tbl_Exhibitions is incorrect; the 1:M is the wrong way around - should be 1:M from TblGallery to TblExhibition
	0 relationship types correct		

		Overall Band	1
		Overall Marks	2

Example D

Trait 1	**tblArtist** All correct	**tblGallery** ArtistID should not be there	**Band 1**
	tblExhibition ArtistID is missing GalleryTypeID should not be there PredictedSalesID is **NEW** field	**tblGalleryType** All correct	
	tblPredictedSales There should not be a tblPredictedSales PredictedSales should not be in here ExhibitionID should not be in here		
	Field errors • ArtistID • GalleryTypeID • PredictedSalesID • PredictedSales • ExhibitionID **5 errors**		
Trait 2	**Relationship Lines** • tblArtist to tblGallery is incorrect • tblGallery to tblExhibition is correct • tblExhibition to tblGalleryType is incorrect • tblExhibtion to tblPredictedSales is incorrect **1 line correct**		**Band 1**
	Relationship types • tblArtist to tblGallery is incorrect • tblGallery to tblExhibition is correct • tblExhibition to tblGalleryType is incorrect • tblExhibtion to tblPredictedSales is incorrect **1 relationship type correct**		
		Overall Band	1
		Overall Marks	2

Example E

Trait 1	**tbl GalleryType** GalleryID should not be there	**tbl Gallery** ExhibitionID should not be there GalleryTypeID should be there	Band 1
	tbl Exhibition ArtistID is missing GalleryID is missing	**tbl Artist** ExhibitionID should not be there	
	Field errors • GalleryID • ExhibitionID • GalleryTypeID • ArtistID **4 errors**		
Trait 2	**Relationship Lines** • tbl GalleryType to tbl Gallery correct • tbl Gallery to tbl Exhibition correct • tbl Exhibition to tbl Artist correct **3 lines correct**		Band 2
	Relationship types • tbl GalleryType to tbl Gallery 1:M wrong way around. Should be tbl Gallery to tbl GalleryType • tbl Gallery to tbl Exhibition 1:M wrong way around. Should be tbl Gallery to tbl Exhibition • tbl Exhibition to tbl Artist 1:M wrong way around. Should be tbl Artist to tbl Exhibition **0 relationship types correct**		

	Overall Band	2
	Overall Marks	3