Database Design: Data Dictionary

Task 1

Attribute Name	Key	Type	Size	Reqd	Range/Validation
Entity: Customer					
customerNumber	PK	Number		Yes	
customerName		Text	30	Yes	
customerAddress		Text	50	Yes	
customerTown		Text	20	Yes	
customerPostcode		Text	8	Yes	
Entity: Order					
orderReference	PK	Text	8	Yes	Length = 8
orderDate		Date		Yes	
isbn	FK	Text	11	Yes	
quantity		Number		Yes	Range: >=1 and <=24
customerNumer	FK	Number		Yes	Existing customerNumber from Customer table
Entity: Book					
isbn	PK	Text	11	Yes	Length = 11
bookTitle		Text	50	Yes	
category		Text	11	Yes	Restricted Choice: Children, Crime, Historical, Large Print, Non-Fiction, Romance
price		Currency		Yes	Range: >= 0.99 and <= 38.95
authorCode	FK	Number		Yes	Existing authorCode from Author table
Entity: Author					
authorCode	PK	Number		Yes	
authorName		Text	30	Yes	
authorAddress		Text	30	Yes	
authorTown		Text	20	Yes	
authorPostcode		Text	8	Yes	

Task 2

Attribute Name	Key	Type	Size	Reqd	Range/Validation
Entity: Member					
memberID	PK	Number		Yes	
surname		Text	30	Yes	
address		Text	40	Yes	
town		Text	20	Yes	
phoneNumber		Text	11	Yes	Length = 11
dateJoined		Date		Yes	
priorityCode		Number		No	Range: >= 1111 and <= 9999
Entity: Rental					
rentalNumber	PK	Number		Yes	
memberID	FK	Number		Yes	Existing memberID from Member table
dvdID	FK	Number		Yes	Existing dvdID from DVD table
dateDueBack		Date		Yes	
Late?		Boolean		Yes	
Entity: DVD					
dvdID	PK	Number		Yes	
dvdTitle		Text	50	Yes	
certitificate	FK	Text	2	Yes	Existing certificate from Certificate table
Entity: Certificate					
certificate	PK	Text	2	Yes	Restricted Choice: U, PG, 12, 15, 18
description		Text	35	Yes	Restricted Choice: Universal, Parental Guidance, Suitable for 12 years and over, Suitable only for 15 years and over, Suitable for adults only