Lab: Introduction to the Data Model Solution

In this lab, you will review basic concepts introduced in the Data Model lesson.

Tasks

1. Describe the purpose of the Data Dictionary. The Data Dictionary is a set of linked documentation in HTML It describes all the data entities and typelists that make up the data model. The Data Dictionary also lists all attributes and fields for the data entities and extension entities.
2. Create a bookmark for the Data Dictionary in your web browser.
3. Answer the following questions about the current data model as described in the Data Dictionary:
   1. What is the datatype for the ABContact email address fields? varchar(60)
   2. ABContact has a Tax ID field. Is this field used to store a social security number (SSN), an employer ID number (EIN), or both? Both
   3. Name one field on ABContact which is a typekey field in which the name of the field is identical to the name of the typelist it points to. Possible answers: TaxStatus, ValidationLevel, VendorType
   4. Name one field on ABContact which is a typekey field in which the name of the field is not identical to the name of the typelist it points to.   
      Possible answers: PreferredCurrency (which points to Currency), PrimaryPhone (which points to PrimaryPhoneType), Subtype (which points to ABContact subtypes)
   5. Name one field on ABContact which is not stored in the database.  
      Possible answers: AddressOwner, Collectionagency, HasUnverifiedEvaluations
   6. Which has more arrays: the Group entity or the Role entity? Group
   7. How many entities have a field named "Organization". (Hint: From the main page of the Data Dictionary, click the All Fields link.) 10
4. Regenerate the Data Dictionary.
5. For an object "anABContact" of type ABContact: Identify the dot notation to reference the following data:
   1. The date and time the contact was created. anABContact.CreateTime
   2. The contact's tax status anABContact.TaxStatus
   3. The city of the contact's primary address. anABContact.PrimaryAddress.City
   4. The full set of buildings associated with the object. anABContact.Buildings\_Ext
   5. The number of employees for the contact (assuming the contact is a company) (anABContact as ABCompany).NumberOfEmployees
   6. The type of court that the contact is (assuming the contact is a legal venue). (anABContact as ABLegalVenue).VenueType