Lab: Introduction to the Data Model

In this lab, you will review basic concepts introduced in the Data Model lesson by first exploring the data dictionary and then by using the data dictionary to write dot notation syntax.

Requirements

This lab requires that you use Internet Explorer as your web browser. If prompted, allow blocked content in your browser.

1. Explore the Data Dictionary

In this exercise, you will first regenerate the data dictionary. Then, you will open the data dictionary in Internet Explorer. Using the data dictionary, you will provide answers to specific questions about the data model.

Tasks

1. Build the data dictionary from the command window
2. From the bin folder, open a command window.
3. In the command window, enter the command to build the data dictionary.
4. Open the data dictionary
5. In Windows Explorer, navigate to the data dictionary.
6. Open the data dictionary using Internet Explorer.
7. Create a bookmark in your browser for the data dictionary.

Write it down

Describe the purpose of the data dictionary.

|  |
| --- |
| To documents all the entities and typelists in application |

For the ABContact entity, describe the datatype for the EmailAddress1 field.

|  |
| --- |
| varchar |

ABContact has a Tax ID field. Is the Tax IDs field used to store a social security number (SSN), an employer ID number (EIN), or both?

|  |
| --- |
| both |

Name one typekey field in ABContact where the field name is identical to the name of the related typelist.

|  |
| --- |
| Country , taxstatus |

Name one typekey field in ABContact where the field name is NOT identical to the name of the related typelist.

|  |
| --- |
| Homephonecountry typekey to phonecountrycode |

Name one field on ABContact which is not stored in the database. What type of field is this?

|  |
| --- |
| Financialsummary …it is an exportable field foreign lkey  Isflagged derived propery |

Which has more arrays: the Group entity or the Role entity?

|  |
| --- |
| 9 group  3 roles  So group |

How many entities have a field named Organization?

|  |
| --- |
| 9 |

1. Using the Data Dictionary

In this exercise, you will use the data dictionary to determine how to reference entities, fields, and properties using dot notation.

Tasks

1. Open the data dictionary
2. Open the data dictionary in your browser.
3. For an object named "anABContact" that is of the type ABContact, identify the correct dot notation syntax for the following:

Write it down

The creation date and time for anABContact.

|  |
| --- |
| anABContact.createtime |

The tax status for anABContact.

|  |
| --- |
| anABContact.taxstatus |

The city for the primary address of anABContact.

|  |
| --- |
| anABContact.primaryaddress.city |

All the buildings associated with anABContact.

|  |
| --- |
| anABContact.buildings\_ext |

Assuming that anABContact is a company, the number of employees for anABContact.

|  |
| --- |
| (anABContact as ABCompany).employess |

Assuming that anABContact is a legal venue, the type of court for anABContact.

|  |
| --- |
| (anABContact as **ABLegalVenue**).venuetype |

|  |  |
| --- | --- |
|  | Stop and ask your instructor to review your completed lab. |