Discription Diagram

Dictionary Table Graduate

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Data Item | Data Type | Data Format | Number of Bytes for Storage | Description | Example | Validation |
| graduate\_id | Interger | NNNNNNNN | 8 | Unique Identifier generated for the Graduate | 12352656 |  |
| form\_id | Interger | NNNNNNNN | 8 | Foreign key for Form | 12345664 |  |
| k\_number | String | KNNNNNNN | 8 | Unique Identifier for Kirkwood Graduate | K0124347 |  |
| first\_name | String |  | 25 | Graduate First Name | James |  |
| middle\_name | String |  | 25 | Graduate Middle Name | Michael |  |
| last\_name | String |  | 25 | Graduate Last Name | Green |  |
| Email | String | xxx@xxx | 50 | Graduate Email Address | jmg@example.com |  |

Dictionary Table Form

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Data Item | Data Type | Data Format | Number of Bytes for Storage | Description | Example | Validation |
| form\_id | Interger | NNNNNNNN | 8 | Unique Identifier Auto generated for Form | 11523456 |  |
| graduate\_id | Interger | NNNNNNNN | 8 | Foreign key for Graduate | 12583456 |  |
| graduate\_year | String | NNNN | 4 | Graduation Year  of the Graduate | 2017 | Year > 1996  Year < current year |
| salary\_range | String | nn,nnn-nn,nnn | 15 | Graduate Salary Value | 30,000-40,000 | Between |
| employment\_position | String |  | 60 | Free-form text allowing the person may enter their job title | Manager |  |
| location\_id | Interger | NNNNNNNN | 8 | Foreign Key for Location | 45813456 |  |
| submission\_date | Date | MM/DD/YYYY | 4 | Date of Submission | 03/02/2019 |  |
| program\_name | String |  | 50 | Foreign Key for Program of Graduate | Financial Services |  |
| employer\_name | String |  | 50 | Optional field allowing the person to type the name of their current  employer | Bill Gates |  |
| continue\_edu | Bool | X | 1 | Shows if the graduate continued his education since he left Kirkwood  The default is No | 1 |  |
| have\_job | Bool | X | 1 | Shows if the Graduate has a Job or not  Takes 1 if the graduate answer YES and 0 if not | 0 |  |

Dictionary Table Location

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Data Item | Data Type | Data Format | Number of Bytes for Storage | Description | Example | Validation |
| location\_id | Interger | NNNNNNNN | 8 | Unique Identifier AUTO generated for Location | 12341456 |  |
| city | String |  | 50 | Name of the city the graduate lives | Iowa City |  |
| zip | String | nnnnn | 5 | Zip code of Location | 52000 |  |
| state\_name | String |  | 50 | Foreign key for the State of Graduate | Iowa |  |
| country\_code | String | XXX | 3 | Foreign key for Country of Graduate | USA |  |

Dictionary Table Program

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Data Item | Data Type | Data Format | Number of Bytes for Storage | Description | Example | Validation |
| program\_name | String |  | 50 | Program name of Graduate is his field of Study at Kirkwood | Financial Services |  |

Dictionary Table Program

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Data Item | Data Type | Data Format | Number of Bytes for Storage | Description | Example | Validation |
| country\_code | String | XXX | 3 | Code of the County | USA |  |
| country\_name | String |  | 50 | Name of the Country | United States of America |  |

Dictionary Table State

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Data Item | Data Type | Data Format | Number of Bytes for Storage | Description | Example | Validation |
| state\_name | String |  | 50 | Name of the state | Iowa |  |

Dictionary Table Duty

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Data Item | Data Type | Data Format | Number of Bytes for Storage | Description | Example | Validation |
| duty\_name | String |  | 25 | Function of the Staff member | Data loader |  |

Dictionary Table Staff

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Data Item | Data Type | Data Format | Number of Bytes for Storage | Description | Example | Validation |
| k\_number | String | knnnnnnn | 8 | Unique Identifier for the Graduate in College | K0124567 |  |
| email | String |  | 50 | Staff member Email Address | jmg@example.com |  |
| first\_name | String |  | 50 | Graduate First Name | James |  |
| last\_name | String |  | 50 | Graduate Last Name | Green |  |
| password\_key | String |  | 25 | Password to access | \*\*\*\*\* |  |

Dictionary Table Staff\_Duty

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Data Item | Data Type | Data Format | Number of Bytes for Storage | Description | Example | Validation |
| k\_number | String |  | 8 | Foreign key for Staff member | K0546854 |  |
| duty\_name | String |  | 25 | Foreign key for duty of Staff members | Data loader |  |