Employee

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attributes | Attribute Date Type | Required/Optional | Example Instance | Example Instance |
| Employee ID (PK) | INT (9) | Required | 123 456 789 | 567 111 222 |
| Name | CHAR (40) | Required | Last Name, First Name | Doe, John |
| Address | CHAR (30) | Required | 167 Kendall Ave. | 100 City Centre |
| Date of Birth | CHAR (10) | Required | MM/DD/YYYY | 05/14/1990 |
| Job Title | CHAR (40) | Required | Quality Assurance | Accounting Manager |
| Skills  {C#, VB.net, SQL Server, Project Management} | CHAR (25) | Required | C#, VB.NET | Project Management, SQL Server |
| Skill Description | CHAR(40) | Required | Manages Project | Quality Assurance for C# |
| Employee Type | CHAR (20) | Required | Salaried | Consultant |
| SIN | INT (9) | Required | 111 222 333 | 444 555 888 |
| Dependent | INT(2) | Optional | 0 | 2 |

Project

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attributes | Attribute Data Type | Required/Optional | Example Instance | Example Instance |
| Project ID (PK) | INT (9) | Required | 123-456-789 | 005-265-325 |
| Name | CHAR (40) | Required | Protein Simulator | NCIX Point of Sale |
| Cost Estimation | DECIMAL (10) | Required | $50000.00 | $250.75 |
| Equipment | CHAR (30) | Optional | Computer, Presentation Room | Board Room, Projector |
| Tasks | CHAR (50) | Required | 2. System Analysis, 3. Coding | 7.User Training |
| SIN | INT (9) | Required | 092 520 420 | 416 416 416 |

Client

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attributes | Attribute Data Type | Required/Optional | Example Instance | Example  Instance |
| Client ID (PK) | INT (9) | Required | 000-300-879 | 002-564-485 |
| Client Name | CHAR (40) | Required | Last Name, First Name | McIntyre, Phillip |
| Telephone | INT (10) | Required | (416)-987-879 | (248)-249-9856 |
| Company | CHAR (40) | Required | McIntyre Inc. | Atlus Co. |
| Address | CHAR(40) | Required | 192 Bits Rd. | 6400 Oak Canyon |
| ClientSinceDate | CHAR (10) | Required | MAR/16/2008 | DEC/15/2013 |

Equipment

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attributes | Attribute Data  Type | Required/Optional | Example Instance | Example Instance |
| Equipment ID (PK) | CHAR (25) | Required | CHR.4345456 | DELL.INSP789 |
| Cost | DOUBLE (9) | Required | $45000.99 | $9874.75 |
| Brand | CHAR (30) | Required | DELL | Epson |

Department

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attributes | Attribute Data  Type | Required/Optional | Example Instance | Example Instance |
| Department ID (PK) | CHAR (25) | Required | RD300 | ACC205 |
| Telephone | CHAR (15) | Required | 416-987-546- ext.300 | 416-645-2130- ext.205 |
| Location | CHAR (30) | Required | 4-20 | 1-30 |
| Department Manager (FK)  [Employee ID] | INT (9) | Required | 055-900-879 | 654-924-598 |

Vendor

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attributes | Attribute Data Type | Required/Optional | Example Instance | Example Instance |
| Vendor ID (PK) | CHAR(9) | Required | SUN630914 | MET246951 |
| Name | CHAR (30) | Required | Sun Corp. | Metro Electric Ltd. |
| Address | CHAR (30) | Required | 901 Bell Rd. | 7650 Capy Blvd. |

Shipment

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attributes | Attribute Data Type | Required/Optional | Example Instance | Example Instance |
| Vendor ID (PK, FK) | CHAR(9) | Required | SUN630914 | MET246951 |
| Equipment ID (PK, FK) | CHAR (25) | Required | CHR.434456 | DELL.ISNP789 |
| Arrival Date | CHAR (13) | Required | JAN/24/2017.12:35 | MAR/9/2016.14:00 |
| Shipment Date | CHAR (20) | Required | SEP/12/2013.20:00 | JUL/30/2017.14:00 |