MATERIAL

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Key** | **Accept Null Values** | **Description** |
| MATERIAL\_ID | LONG | Primary Key | UNIQUE NOT NULL | ID of Material |
| MATERIAL\_CODE | CHAR(20) |  | UNIQUE NOT NULL | Code of the Material |
| MATERIAL\_LAMINATION | CHAR(2) |  | NOT NULL | Material Lamination Code |
| MATERIAL\_TREATMENT | CHAR(2) |  | NOT NULL | Material Treatment Code |
| MATERIAL\_THICKNESS | DECIMAL(10,2) |  | NOT NULL | Material Thickness |
| MATERIAL\_WIDTH | DECIMAL(10,2) |  | NOT NULL | Material Width |
| MATERIAL\_LENGTH | DECIMAL(10,2) |  | NULL | Material Lenght |

SUPPLIER

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Key** | **Accept Null Values** | **Description** |
| SUPPLIER\_ID | LONG | Primary Key | UNIQUE NOT NULL | ID of the Supplier |
| SUPPLIER\_NAME | NCHAR(50) |  | UNIQUE NOT NULL |  |

STARDARD

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Key** | **Accept Null Values** | **Description** |
| STARDARD\_ID | LONG | Primary Key | UNIQUE NOT NULL | ID of the Standard |
| STANDARD\_NAME | CHAR(20) |  | UNIQUE NOT NULL | Name of Standard |
| STANDARD\_DESCRIPTION | TEXT |  | NOT NULL | Description of Standard |

MATERIAL\_STANDARD: Acceptable Standards to Material

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Key** | **Accept Null Values** | **Description** |
| MATERIAL\_ID | LONG | Foreign Key | NOT NULL | ID of Material |
| STARDARD\_ID | LONG | Primary Key | NOT NULL | ID of the Standard |
| STANDARD\_ACCEPT | BOOL |  | NOT NULL | This Standard is Conform to this Material |

SUPPLIER\_STANDARD: Available Standards at Supplier

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Key** | **Accept Null Values** | **Description** |
| SUPPLIER\_ID | LONG | Foreign Key | NOT NULL | ID of Supplier |
| STARDARD\_ID | LONG | Primary Key | NOT NULL | ID of the Standard |
| STANDARD\_AVAILABLE | BOOL |  | NOT NULL | Availability of this Standard from this Supplier |

REQUEST: Request for Raw Material

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Key** | **Accept Null Values** | **Description** |
| REQUEST\_ID | LONG | Primary Key | UNIQUE NOT NULL | Purchase Request ID (Sequential) |
| REQUEST\_DATE | DATETIME |  | NOT NULL | Date of Request Creation |
| REQUEST\_CREATOR | CHAR(50) |  | NOT NULL | Name of Requester User |

REQUEST\_ITEM: Request for Raw Material Items

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Key** | **Accept Null Values** | **Description** |
| REQUEST\_ITEM\_ID | LONG | Primary Key | UNIQUE NOT NULL | Purchase Request Item ID (Sequential) |
| MATERIAL\_ID | LONG | Foreign Key | NOT NULL | ID of Requested Material |
| REQUEST\_DATE | DATE |  | NOT NULL | Arrival Needed Date for this Material |
| REQUEST\_WEIGHT | DECIMAL(10,2) |  | NOT NULL | Requested Weight for this Material |

QUOTATION

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Key** | **Accept Null Values** | **Description** |
| QUOTATION\_ID | LONG | Primary Key | UNIQUE NOT NULL | Quotation ID |
| QUOTATION\_DATE | DATETIME |  | NOT NULL | Date of Quotation Created |
| QUOTATION\_CREATOR | NCHAR(50) |  | NOT NULL | Quotation Creator User Name |

QUOTATION\_ITEM

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Key** | **Accept Null Values** | **Description** |
| QUOTATION\_ITEM\_ID | LONG | Primary Key | UNIQUE NOT NULL | Quotation ID (Sequential) |
| QUOTATION\_ID | LONG | Foreign Key | NOT NULL | ID of the Quotation |
| MATERIAL\_LAMINATION | CHAR(2) |  | NOT NULL | Material Lamination Code |
| MATERIAL\_TREATMENT | CHAR(2) |  | NOT NULL | Material Treatment Code |
| MATERIAL\_THICKNESS | DECIMAL(10,2) |  | NOT NULL | Material Thickness |
| MATERIAL\_STANDARD | LONG |  | NOT NULL | Material Standard ID Available at Supplier |
| SUPPLIER\_ID | LONG | Foreign Key | NOT NULL | ID of the Supplier |
| SUPPLIER\_PRICE | DECIMAL(10,2) |  | NOT NULL | Current Price for this Material at Supplier |
| SUPPLIER\_ WEIGHT | DECIMAL(10,2) |  | NOT NULL | Available Weight for this Material at Supplier |

QUOTATION\_REQUEST

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Key** | **Accept Null Values** | **Description** |
| QUOTATION\_REQUEST\_ID | LONG | Primary Key | UNIQUE NOT NULL | Quotation Request ID (Sequential) |
| QUOTATION\_ID | LONG | Foreign Key | NOT NULL | Quotation ID |
| REQUEST\_ID | LONG | Foreing Key | NOT NULL | Request ID |

SUPPLIER\_IN\_STOCK

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Key** | **Accept Null Values** | **Description** |
| SUPPLIER\_STOCK\_ ID | LONG | Primary Key | UNIQUE NOT NULL | Supplier Stock Situation ID (Sequential) |
| QUOTATION\_ITEM\_ID | LONG | Foreign Key | NOT NULL | ID of the Quotation Item |
| MATERIAL\_WIDTH | DECIMAL(10,2) |  | NOT NULL | Width for this Material at Supplier |
| MATERIAL\_LENGTH | DECIMAL(10,2) |  | NULL | Length for this Material at Supplier |
| SUPPLIER\_WEIGHT | DECIMAL(10,2) |  | NOT NULL | Available Weight at Supplier Stocks |

PURCHASE\_PLANNING

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Key** | **Accept Null Values** | **Description** |
| PLANNING\_ID | LONG | Primary Key | NOT NULL | Purchase Planning ID |
| QUOTATION \_ID | LONG | Foreign Key | NOT NULL | ID from Quotation |
| PLANNING\_DATE | DATE |  | NOT NULL | Date of Creation |
| PLANNING\_OWNER | NCHAR(50) |  | NOT NULL | User that created this Planning |
| PLANNING\_APPROVE\_DATE | DATE |  | NULL | Data of approval of this Planning |
| PLANNING\_APPROVE\_USER | NCHAR(50) |  | NULL | User name that approve this Planning |

PURCHASE\_PLANNING\_ITEM

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Key** | **Accept Null Values** | **Description** |
| PLANNING\_ITEM\_ID | LONG | Primary Key | UNIQUE NOT NULL | Purchase Planning Item ID |
| PLANNING\_ID | LONG | Foreign Key | NOT NULL | Purchase Planning ID |
| MATERIAL\_ID | LONG | Foreign Key | NOT NULL | Material ID of the Request |
| SUPPLIER\_ID | LONG | Foreign Key | NOT NULL | Supplier Chosen |
| PLANNING\_DATE | DATE |  | NOT NULL | Arrival Date for this Material |
| PLANNING\_WEIGHT | DECIMAL(10,2) |  | NOT NULL | Purchase Weight |

PURCHASE\_ORDER

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Key** | **Accept Null Values** | **Description** |
| PURCHASE\_ORDER\_ID | LONG | Primary Key | UNIQUE NOT NULL | Purchase Order ID |
| PURCHASE\_PLANNING\_ID | LONG | Foreing Key | NOT NULL | ID from Purchase Planning |
| SUPPLIER\_ID | LONG | Foreing Key | NOT NULL | ID from the Supplier |
| PURCHASE\_ORDER\_DATE | DATE |  | NOT NULL | Create Date for this Order |
| \* |  |  |  |  |

\* another fields not used for business process (used only in forms/reports)

PURCHASE\_ORDER\_ITEM

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Key** | **Accept Null Values** | **Description** |
| PURCHASE\_ORDER\_ITEM\_ID | LONG | Primary Key | UNIQUE NOT NULL | Purchase Order Item ID |
| PURCHASE\_ORDER\_ID | LONG | Foreing Key | NOT NULL | ID from Purchase Order |
| MATERIAL\_ID | LONG | Foreign Key | NOT NULL | ID from Requested Material |
| PURCHASE\_ORDER\_ITEM\_DATE | DATE |  | NOT NULL | Date for Arrival of the Material |
| PURCHASE\_ORDER\_ITEM\_WEIGHT | DECIMAL(10,2) |  | NOT NULL | Material Weight for this Order |
| PURCHASE\_ORDER\_ITEM\_UNIT\_PRICE | DECIMAL(10,2) |  |  | Material Unit Price |
| PURCHASE\_ORDER\_ITEM\_TAX | DECIMAL(10,2) |  |  | Purchase Order Item TAX |
| \* |  |  |  |  |

\* another fields not used for business process (used only in forms/reports)