|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Data Name** | **Data Type** | **Character Length** | **Validation Type** | **Example** |
| ItemDonationCode | String | 5 | Allowed Character, Range Check | 64832 |
| ItemDescription | String | 0 - 30 | Range Check | “A leather chair” |
| ItemPrice | Float | 0 - 6 | Format Check, Allowed Character | 42.56 |
| ItemCategory | String | 0 - 20 | Range Check | “Furniture” |
| ItemQualityCheck | Boolean | 1 | Table Look Up Check | TRUE |
| ItemList | String | 0 - 100 | Range Check | "Pie, Chair, Plane, Train" |
| Date | String | 0 - 6 | Format Check, Allowed Character | “21/11/96 |
| ItemUniqueCode | String | 0 - 5 | Allowed Character | “AB801” |
| ItemStatus | String | 4 - 8 | Table Look Up Check | “In Shop” |
|  |  |  |  |  |
| DonatorName | String | 0 - 30 |  | “Wendy Hudden” |
| DonatorAddress1 | String | 0 - 20 |  | “2 Not Lane” |
| DonatorAddress2 | String | 0 - 20 |  | “Flat 20C” |
| DonatorCity | String | 0 - 15 |  | “Melbreth” |
| DonatorCounty | String | 0 - 20 | Table Look Up Check | ”Cambridgeshire” |
| DonatorPostCode | String | 0 - 8 |  | “SG9 3KW” |
| DonatorContact | String | 6 - 10 | Allowed Character | “01462742918” |
|  |  |  |  |  |
| StaffName | String | 0 - 30 |  | “Wiggy Wog” |
| StaffInitals | String | 0 - 6 |  | “WW” |

Every entity will also use a Range Check validation method

To clarify, when a donation happens, all the items donated in the same donation get assigned the same DonationCode, and then each item gets assigned its own unique ItemUniqueCode. The DonationCode would be used if there was a complication with the entire donation, instead of a single item. It is true that should a single item be donated in an entire donation, the DonationCode could be used as its unique identifier, making the ItemUniqueCode redundant, and vice versa. Nevertheless, both identifiers are required for a better functioning system.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Name** | **Data Type** | **Character Length** | **AC** | **RC** | **FC** | **TLUC** | **Example** |
| ItemDonationCode | String | 5 | ✓ | ✓ |  |  | 64832 |
| ItemDescription | String | 0 - 30 |  | ✓ |  |  | “A leather chair” |
| ItemPrice | Float | 0 - 6 | ✓ |  | ✓ |  | 42.56 |
| ItemCategory | String | 0 - 20 |  | ✓ |  |  | “Furniture” |
| ItemQualityCheck | Boolean | 1 |  |  |  | ✓ | TRUE |
| Date | String | 0 - 6 | ✓ |  | ✓ |  | “21/11/96 |
| ItemUniqueCode | String | 0 - 5 | ✓ |  |  |  | “AB801” |
| ItemStatus | String | 4 - 8 | ✓ |  |  | ✓ | “In Shop” |
|  |  |  |  |  |  |  |  |
| DonatorCode | String | 5 | ✓ | ✓ |  |  | “FC2A1” |
| DonatorName | String | 0 - 30 |  | ✓ |  |  | “Wendy Hudden” |
| DonatorAddress1 | String | 0 - 20 |  | ✓ |  |  | “2 Not Lane” |
| DonatorAddress2 | String | 0 - 20 |  | ✓ |  |  | “Flat 20C” |
| DonatorCity | String | 0 - 15 |  | ✓ |  |  | “Melbreth” |
| DonatorCounty | String | 0 - 20 |  |  |  | ✓ | ”Cambridgeshire” |
| DonatorPostCode | String | 0 - 8 |  | ✓ | ✓ |  | “SG9 3KW” |
| DonatorContact | String | 6 - 10 | ✓ | ✓ |  |  | “01462742918” |
|  |  |  |  |  |  |  |  |
| StaffName | String | 0 - 30 |  |  |  | ✓ | “Wiggy Wog” |