Data Dictionary

Address = [(Sub-premise) + Address Number | Address Number + (Sub-premise)] + Street Name + Suburb + City/Town + (Sub-administrative Area) + Administrative Area + Post Code + Country

Address Data Table:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data Element | Description | Data Type | Length/Format | Example Data |
| Sub-premise | Specific identifier for townhouses and apartments | String | 10 characters | B (23-B), 2 (102-2), Building 1 |
| Address Number | Numeric identifier of donor’s residence | Short | 10 characters | 23 102 |
| Street Name | Donor’s street name and street type | String | 50 characters | Kirinari St. Fifth Avenue (Manhattan, US) |
| Suburb | City district | String | 50 characters | Bruce |
| City/Town | City or town donor is from | String | 50 characters | Canberra London |
| Sub-administrative Area | Donor’s county, or district | String | 50 characters | Cheshire (England) San Diego County (US) |
| Administrative Area | Donor’s state, province, or region | String | 20 characters | NSW ACT |
| Postal Code | Donor’s postal code or zip code | String | 10 characters | 2601 (Australia) M3B 3S2 (Canada) |
| Country | Nation where donor resides | String | 50 characters | Australia  England |

Donor Info = Donor Title + First Name + Last Name + Email + Phone Number + Address

Donation Information Data Table:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data Element | Description | Data Type | Length/Format | Example Data |
| Title | Form of addressing donor | String | 10 Characters | Mr. Mrs. |
| First Name | Person’s given name | String | 20 Characters | Bob Shalissa |
| Last Name | Person’s surname | String | 20 Characters | Jones Smith |
| Email | Unique identifier for an email account | String | 300 Characters | johnsmith@gmail.com |
| Phone Number | Phone number including country and area code | Phone Number | +###-###-###-#### | +498-963-648-0181 |
| Address | Where donor is currently living | Address | #Address | 74 Chandler St, Belconnen Canberra ACT 2617, Australia |

Registration Information = Username + Password + Donor Info

Log-In Details = Username + Password

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data Element | Description | Data Type | Length/Format | Example Data |
| Username | Identification used for donors | String | 20 characters | JohnSmith13 |
| Password | String of characters required to access system | String | 50 characters | Password123 |

Card Payment = Card Holder Name + Card Number + Date of Expiration + CVV

Direct Debit = Card Holder Name + Card Number + Date of Expiration + CVV

Payment Information = [Card Payment | Direct Debit]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data Element | Description | Data Type | Length/Format | Example Data |
| Card Holder Name | Who owns the card | String | 50 characters | Mr John Smith |
| Card Number | Number that identified card owners account | Long | 12-19 digits | 5555123456789000 |
| Date of Expiration | When card expires | Date | dd/mm/yyyy | 01/12/2020 |
| CVV | Card’s security code | Short | 3 digits | 123 |

Donation Choice = 1{Donation Amount + (Merchant Fee) + (Administrative Fee) + Program Choice + Region Choice + (Recurring Donation)}\*

Donation Choice Data Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data Element | Description | Data Type | Length/Format | Example Data |
| Donation Amount | Donor can choose from pre-set amounts or a custom amount | Currency | $#20.## | $10.00  $75.25 |
| Merchant Fee | A processing fee depending on the card company that the user can choose to pay | Currency | $#20.## | $5.00  $0.50 |
| Administrative Fee | An fee used to cover admin costs that the user can choose to pay | Currency | $#20.## | $5.00  $0.50 |
| Program Choice | The donor can choose from a list of programs to pledge | String | 50 characters | Emergency Relief, Orphan Aid |
| Region Choice | The donor can choose from a list of regions to where the program donation will go to | String | 50 characters | Syria, Ethiopia, Fiji |
| Recurring Donation | The donor can choose if their donation will be recurring and if so, if it will recur monthly or yearly |  |  | One-Off, Monthly, Yearly |

Required Info = [Registration Info | Log-In Details] + Donation Choice + Payment Information

Invoice = Unique Invoice Number + Donor Details + Date of Invoice + List of Each Individual Donations + Donation Total

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data Element | Description | Data Type | Length/Format | Example Data |
| Unique Invoice Number | A number that uniquely identifies each invoice |  |  | No.398523 |
| Donor Details | Prefills the donor details required for the invoice |  |  | Mr John Smith |
| Date of Invoice | The date of which the invoice was sent | Date | YYYY-MM-DD | 2020-04-10 |
| List of Each Individual Donations | Lists all the Individual Donations which the donor made including the Program, Region, Donation Amount, and Recurrence |  |  | Emergency Relief, Syria, $10, Monthly  Orphan Aid, Ethiopia, $20, One-Off |
| Donation Total | Sum of all the individual donations which the donor made |  |  | $30 2020-04-10 $10 2020-05-10 |