NGO

View Available Items:

* Fetch from donations where not ( donatedFlag is true ) and doctype is item

Request an item (Use itemID) :

* Insert into donations with doctype update and updatetype as donaterequest

Post a requirement (Creates requirementID) :

* Insert into donations with doctype requirement

Updates feed:

* For that NGO, list all from donations where doctype is requirement, and for each requirement (requirementID), list all where doctype is update
* For that NGO, list all from donations where doctype is donaterequest, and if there is an accept or decline updatetype

Accept a donation (Use requirementID) :

* Insert into donations with doctype update and updatetype acceptdonation. For all other donate documents for that requirement, insert with doctype update and updatetype declinedonation. Then change quantity

Mark as received (requirementID or itemID):

* Insert into donations with doctype update and updatetype received

DONOR

View requirements:

* Fetch from donations where doctype is requirement

Put an item up for donation (Creates itemID) :

* Insert into donations with doctype item

Respond to requirement (Use requirementID) :

* Insert into donations with doctype update and updatetype donate

Updates feed:

* For that donor, list from donations where doctype is item, and for each item (itemID), list all docs where doctype is update
* For that donor, list all from donations where doctype is donate and if there is an acceptdonation or a declinedonation

Respond to donation request (Use itemID):

* Insert into donations with doctype update and updatetype accept. For all other NGOs who requested that item, insert updatetype decline. Then change the donatedflag to true.

List requirement -> Show in donor feed -> Donor clicks donate -> NGO accepts or declines -> Update quantity -> NGO marks received

List item -> Show in NGO feed -> NGO requests -> Donor accepts or rejects -> Update donated flag -> NGO marks received