Original proposal was made by Gabriel Zermeno Description:

The service that I would like to create to serve the community is a database system for any organization that takes in donation items and donates them to various places. This could be a church that takes in food and disperses this food across multiple homeless shelters. This could also be a school doing a clothing drive, or something of the sort, and donating them to places such as foster homes or other places to help those in need.

Business Rules (**Bolded** = Implemented with triggers):

- Each donation needs to go out in the same grouping it was received
- Monetary donations are only accepted in usd
- Each donation item can only be distributed to one place
- Each donated item can only belong to one donation center
- Monetary donations can be distributed across multiple Destinations, but a Physical Donation has to go to just one place
- Each Donation Center has to have at least one employee there. It cannot be entirely staffed by Volunteers.
- Within each Donation Center, for every 5 volunteers, there has to be at least one Employee.
- No destinations can also be donation centers (and vice versa).
- Monetary distributions from a donation cannot exceed the total amount of money the donation was.
- No destinations can receive more than 20% more than the average donation/month. This would be to keep from getting the donations to any one place getting too lopsided.
- Each donation from a donator can only be of one description/type
 - o Ex. 100 pairs of jeans is okay, 20 canned beans + 10 pairs of jeans is not allowed
 - However, they can be split into two instances of donations. So, 20 canned beans is one donation, while 10 pairs of jeans is another.

Queries:

- 1. Find the cities with the greatest number of donation centers.
- 2. Find the cities with the largest number of donations.
- 3. Find all of the pairs of employees who work at the same donation center.
- 4. List the donation centers with the amount of donations above the average.
- 5. Find all of the pairs of donation centers that have a state, are in the same state, and are Churches.
- 6. Find all pairs of food with the same allergen.
- 7. Name the person who has donated the most amount of money.
- 8. Find the food with the highest number of allergens.
- 9. List the name of everyone who donated food items and what food they donated.
- 10. List the donated items that have not yet been distributed.

Views:

- 1. View workers and which center they work at
- 2. View the locations of churches
- 3. View foods and their allergens
- 4. View physical donations
- 5. View monetary donations