Actors and Use Cases for FRED (Food, Resources, Expenses, & Delivery)
Feb. 26 (Friday) 11:00-11:50am
MUS 206

Attendees:

Nikki Espinosa, Student, JEspinosa@mtech.edu
Kathy Griffith, Executive Director, buttefoodbankmt@yahoo.com
Jesse Lieberg, Student, JLieberg@mtech.edu
Celia Schahczenski, Manager, CSchahcenski@mtech.edu
Darlene Smith, Volunteer - Client Intake, darnden@bresnan.net
Sharon, Volunteer – Data Input
Elissa Mitchell, Board of Directors, elissa.m.1974@gmail.com

11:00 Review old materials — Celia Schahczenski

- Business objectives
  ok
- FRED Environment
  Change "Warehouse Foreman" to "Warehouse Volunteer" in the Ecosystem map
- FRED features
  New feature set! – "Manage Outgoing Donations" for recording the donations the food bank makes to non-clients. This is discussed below.
- Vision statement
  The board is not an advisory board, but is instead is a decision-making board. Call it the "Board of Directors".

11:10 FRED actors and use cases — Jesse Lieberg

- What is meant by an actor
- FRED actors and use cases

  The actors seemed ok, with the change from "Warehouse Foreman" to "Warehouse Volunteer". Only Kathy is represented by the Administrator actor.

  "Record box pickup" should be changed to "Record no-shows." It is easier to record those who did not show up to pick up their boxes than to record those who did. On a typical day there will be 50 pickups and only 2-3 no shows.

  Also, it isn't only boxes that are recorded. Clients may take additional items - potatoes, milk, eggs, butter, meat pack, etc. and these need to be recorded. The new use case "Record additional commodities received" is needed.

For families receiving size 1 box, all of this is done in the lobby. For families getting boxes of size 2 or 3, they first pick up what they want in the lobby, and then they drive around to pick up their box.

"Generate daily box summary" – the summary should include recipient's phone number.

"Record donation" - there is concern that a warehouse volunteer might record a donation that was already recorded. Therefore, there needs to be some way to see what has already been entered on the day when donations are occurring.

New feature – "Manage Outgoing Donations" for recording the donations the food bank makes to non-clients, such as owners of animals such as pigs and horses, community meals (Knights of Columbus), afterschool programs, and so on. Inventory only consists of those items which are nonperishable. All perishables must be given out. Perishables which aren't used by clients are donated. Once a month, the places that received these donations report estimates of how many people the items helped.

Consequently, two new use cases are needed:
"Record outgoing donations" – these are recorded by pound.
"Record number people served" - this is reported once per month.

11:25 "Create client info" use case — Nikki Espinosa

The precondition given, of clients having documents that are complete and valid, is incorrect. Instead, the use case should include checking that the client's social security number and address are not already in the system. These two items cannot be duplicated in the system. No two clients of the food bank should have the same SSN. Also, no SSN can appear within two families.

Also, no two clients should have the same address. This may be particularly difficult since in the current system, addresses are duplicated. People have often forgotten to give apartment numbers, etc. It may also be difficult for the system to recognize the different forms of addresses (such as Street versus St.)

Necessary client information includes name, address, SSN, phone number, and number of people in the family. For each person in the family, the SSN and date of birth are needed. Also, income information is needed for each person in the family. This includes Supplementary Security Income (SSI), disability, temporary aid, tanf and any other additional income. The system should calculate and display the total income. There is a maximum allowable income defined by the government. If the family has an income that exceeds the given amount for their family size, they ordinarily aren't allowed to use the services of the food bank. Sometimes Kathy overrides this if there are extenuating circumstances.

The date that the new client information was put into the system is called the registration date. This date must not be allowed to change. Re-certification should occur every year but that doesn’t affect the registration date. Re-certification will be handled in the “Modify client information info” use case. The re-certification date is noted in the comments.

When a new client is entered into the system, the system should generate a unique client number. New client numbers must be different than the client number for all clients which are already in the system. Client numbers of existing clients should not need to change.

11:35 “Verify box pickup” use case — Jesse Lieberg

A “Look up client info” use case is needed. The “verify box pickup” use case can include the “Look up client info” use case.

Clients typically call in when requesting a box. If 30 days has passed, they are told they can come in the pick up a box. To pick up a box, they bring in their client card (furnished by the food bank) along with a recent piece of mail, showing that they are still at the address which the food banks has for them.

Sometimes emergency boxes are given out for travelers and these should be recorded. Question: Does this require another use case?

11:50 Next Meeting, Use Cases continued, March 11th — Celia Schahczenski