

FRED: Food, Resources, Expenses and Distribution

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11am

Butte Emergency Food Bank

Presentation

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MontanaTech

Requirement and Specification Class

Nikki Espinosa – junior in Software Engineering

Jesse Lieberg– junior in Software Engineering

Celia Schahczenski (instructor)



Butte Emergency Food Bank:

Kathy Griffith

Sharon Hanni

Elissa Mitchell

Darlene Smith

Requirements

Determine “what” a system should do before thinking about “how” it will do it

Tentative Schedule:

Design

Sept.–Nov. 2016

Implementation

Nov. – March, 2017

Testing

April, 2017

Operational

May, 2017

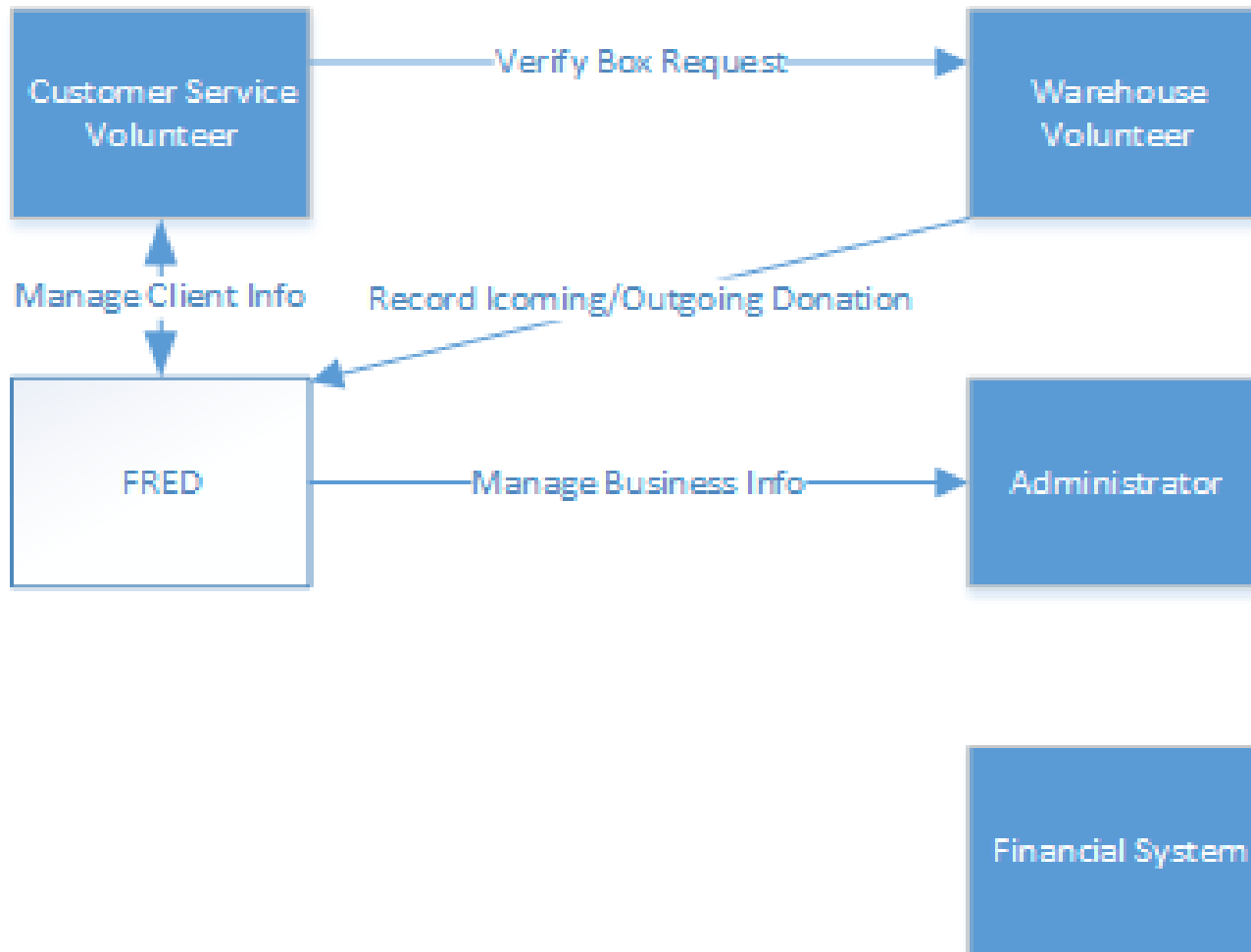
Objectives for FRED

- Increase recorded knowledge of food bank operations, food donations and food distribution
- Increase historical data beyond the last box pickup and generate reports using this information
- Provide increased security and comply with food bank business rules
- Reduce duplicate data (multiple families at the same address, or one family with two addresses)
- Reduce information sources (Excel spreadsheets, paper reports)

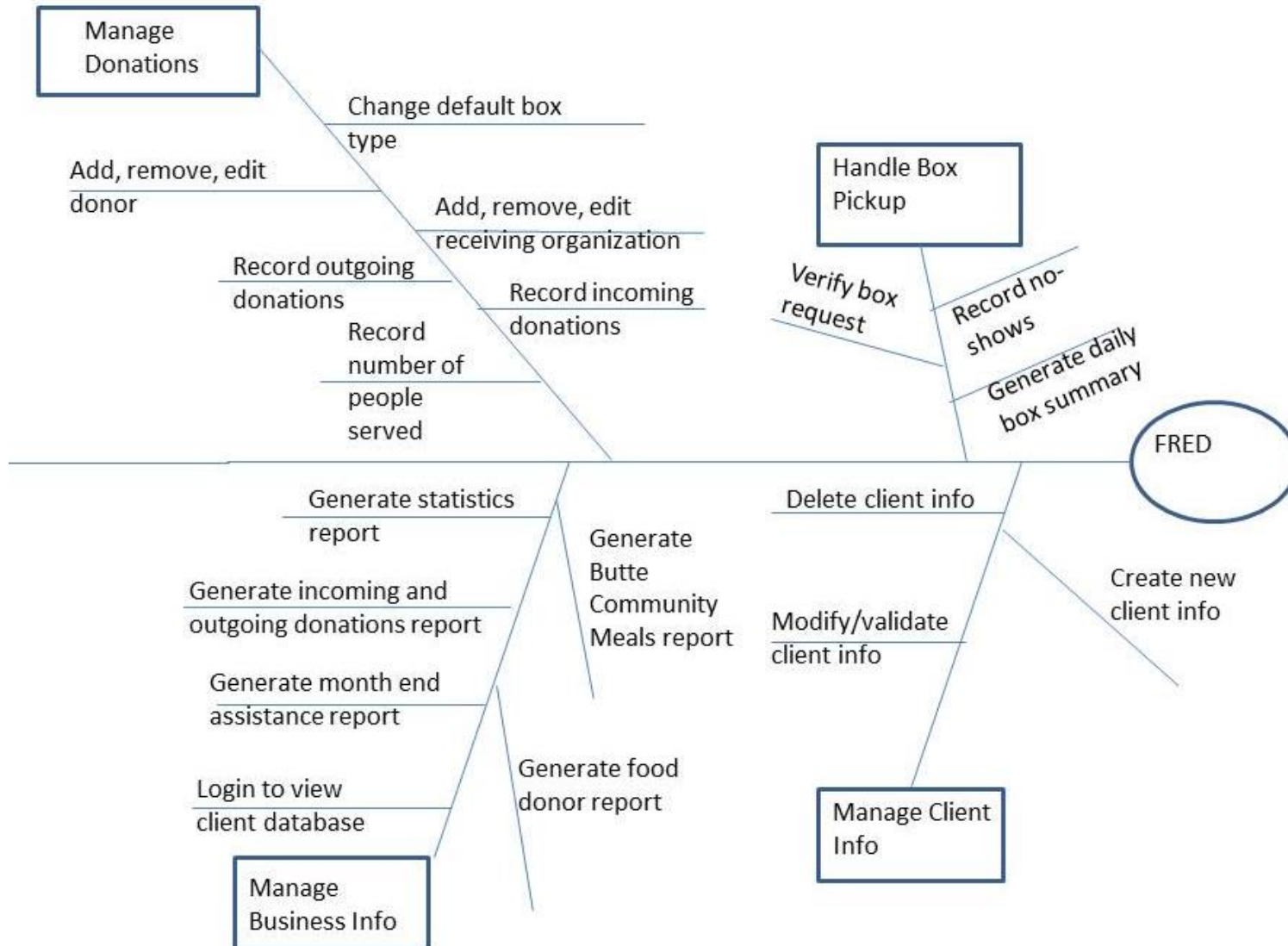
Vision OF FRED

For Butte Emergency Food Bank volunteers who process client in-take, receive food, and distribute food, FRED (Food, Resources, Expenses and Distribution) is a database application that provides information to better serve clients, report to donors and the advisory board. Unlike the current method with a database and multiple spreadsheets, FRED is a single point of access.

Overview



Features of FRED



FRED Users

Customer service volunteers - work at the front desk talking with clients and on the phone

Warehouse volunteers - accept donations, stock food and place items into boxes

Administrator - Kathy Griffith, can perform above activities as well as manage business information. Kathy has a login.

Functionality

Actor	Description of Actor	Use Cases
Customer Service Volunteer	Volunteer working at the front desk talking with clients and on the phone.	Create new client information Delete client information Find client information Generate daily box summary Modify, validate client information Record no-shows Verify box request
Administrator	Food bank director, Kathy Griffith. The administrator can perform all activities of a customer service volunteer.	Add, remove, edit donors Add, remove, edit receiving organization Change default box type Generate history report Generate monthly report Generate other reports (community meals, donations in and out, etc.) Login to view client database Record number of people served
Warehouse Volunteer	Volunteers who accepts donations, stocks food and places items into boxes.	Record, remove, edit incoming donation Record, remove, edit outgoing donation

Sample UI

- Just ideas!

Customer Service Volunteer

The screenshot shows a web application window titled "FRED - Customer Service Volunteer". The window has a standard title bar with minimize, maximize, and close buttons. The main content area is divided into two sections. On the left, there is a large text area containing the word "Welcome!". On the right, there is a "Find Client" section with a text input field labeled "Enter SSN, last name, or Client ID" and a "Search" button. Below this, there are three stacked buttons: "Generate Daily Box Summary", "Record No-Shows", and "Create Client".

FRED - Customer Service Volunteer [Minimize] [Maximize] [Close]

Welcome!

Find Client

Enter SSN, last name, or Client ID

Search

Generate Daily Box Summary

Record No-Shows

Create Client

Customer Service Volunteer – Search Result

FRED - Customer Service Volunteer ☐ ☐ ☒

Search Results

Client ID	Last Name	
217	Torrence	Expand
237	Stone	Expand

Find Client

Enter SSN, last name, or Client ID

Customer Service Volunteer – Search Result

FRED - Customer Service Volunteer [] [] [X]

Search Results

Client ID	Last Name	
217	Torrence	Collapse
Address		Family Members Edit
<input type="text" value="333 Wonderview Avenue"/>		<input type="text" value="Jack Torrence - 29 yo"/> <input type="text" value="Wendy Torrence - 31 yo"/> <input type="text" value="Danny Torrence - 6 yo"/>
Phone Number		
<input type="text" value="(123) 456-7890"/>		
Total Income		
<input type="text" value="\$12,420"/>		
View Full Form Request Box		
237	Stone	Expand

Find Client

Enter SSN, last name, or Client ID

[Search](#)

[Generate Daily Box Summary](#)

[Record No-Shows](#)

[Create Client](#)

Customer Service Volunteer – Creating Client

FRED - Customer Service Volunteer [] [] [X]

Create Client

Client ID: Registration:

Address: Phone Number:

FSIncome: Family Members

SSIncome: Jack Torrence - 29 yo

AFDCIncome: Wendy Torrence - 6 yo

TANFIncome:

Income:

Other:

Find Client

Enter SSN, last name, or Client ID

Record Number of People Served

FRED - Administrator

Community Meals

Date	Organization	Count	
4/8/2016	Community Meal	400	Edit Delete
4/22/2016	Community Meal	300	Edit Delete

Generate Report

Record People Served

Record Number of People Served

Organization: Community meal

Person Count: Number

Date: Date

Add Record

Warehouse – Incoming Donations

FRED - Warehouse Volunteer

Incoming Donations Friday, April 8, 2016

Time	Source	Category	Weight		
10:40	Walmart	Bakery	20 lbs	Edit	Delete
10:40	Walmart	Bakery	20 lbs	Edit	Delete
10:40	Walmart	Bakery	20 lbs	Edit	Delete
10:40	Walmart	Bakery	20 lbs	Edit	Delete

Record Incoming Donation

Record Incoming Donation

Donation Source: Walmart

Donation Category: Grocery

Donation Weight: Weight Lbs

Add Donation

Warehouse - Outgoing Donations

FRED - Warehouse Volunteer

Outgoing ▾ Donations < Friday, April 8, 2016 >

Time	Source	Weight		
10:40	Walmart	20 lbs	Edit	Delete
10:40	Walmart	20 lbs	Edit	Delete
10:40	Walmart	20 lbs	Edit	Delete
			Edit	Delete

Record Outgoing Donation

Record Outgoing Donation

Receiving Organization Community meal ▾

Donation Weight Weight Lbs

Record Donation

Questions?