



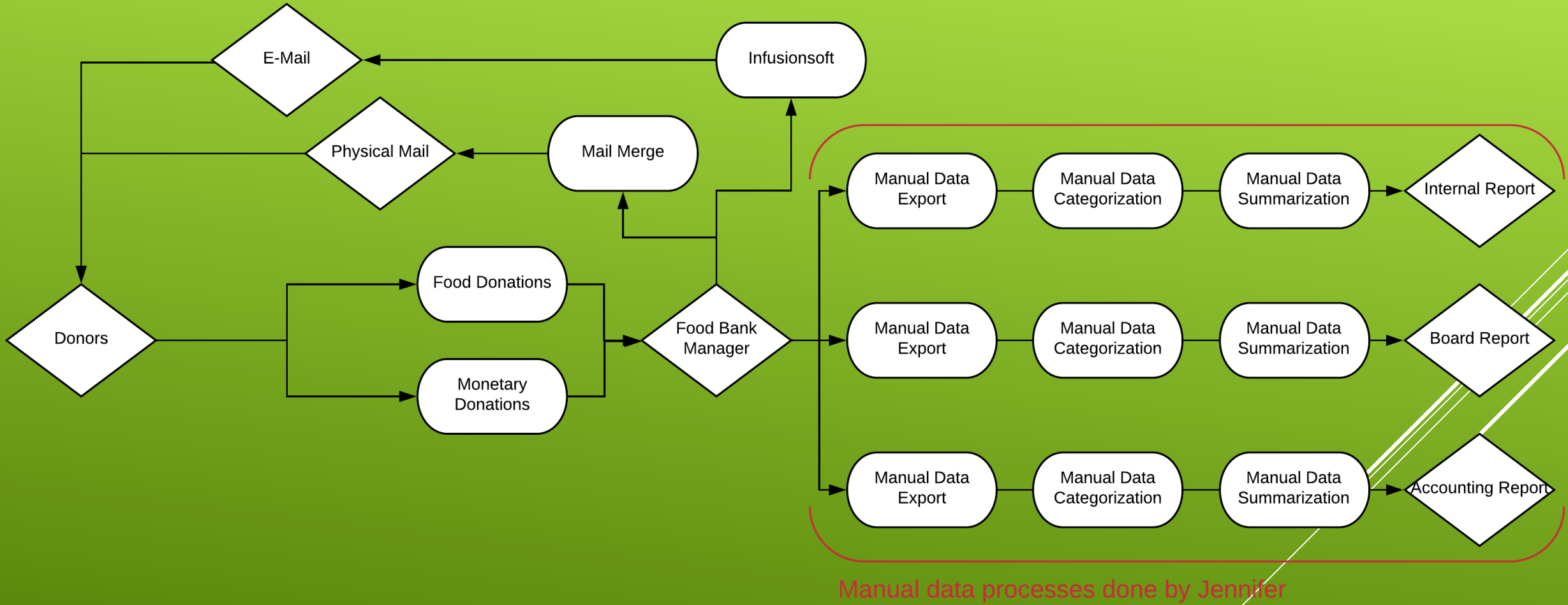
Matthew's Crossing Food Bank. Data Management System

By:

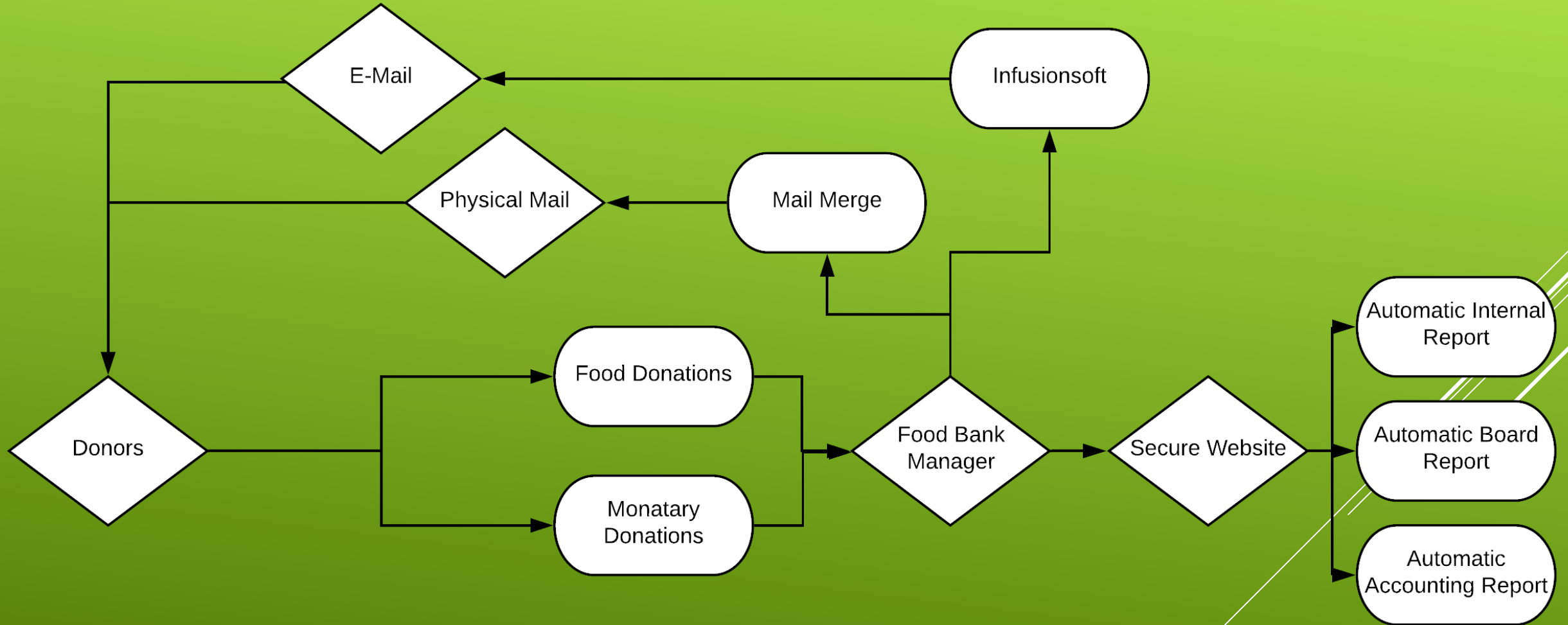
Mark Omo ← Backend

James Rowley ← Frontend

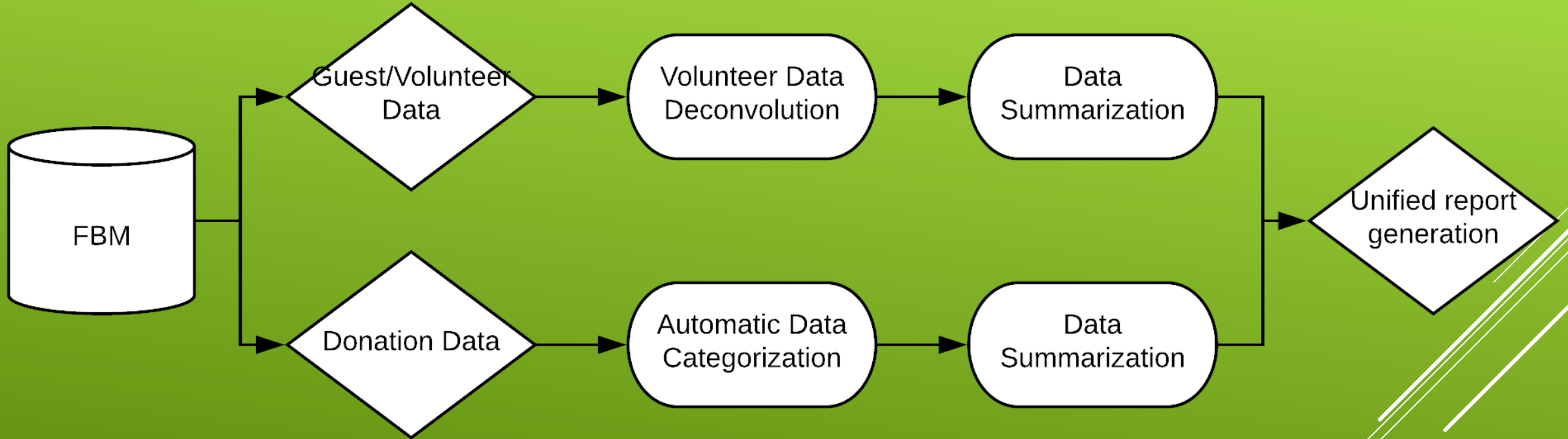
PROBLEM



OUR SOLUTION

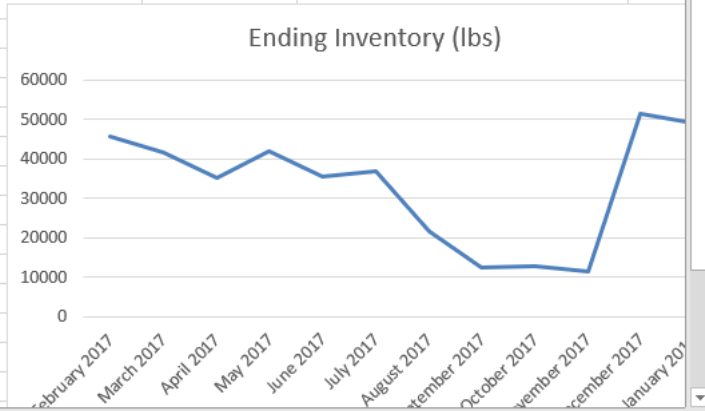
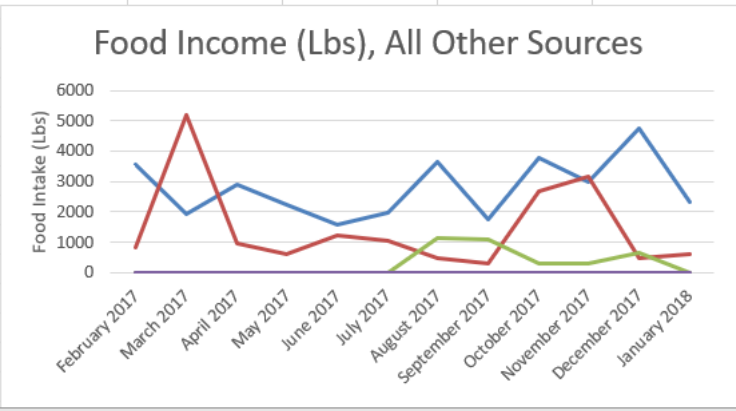
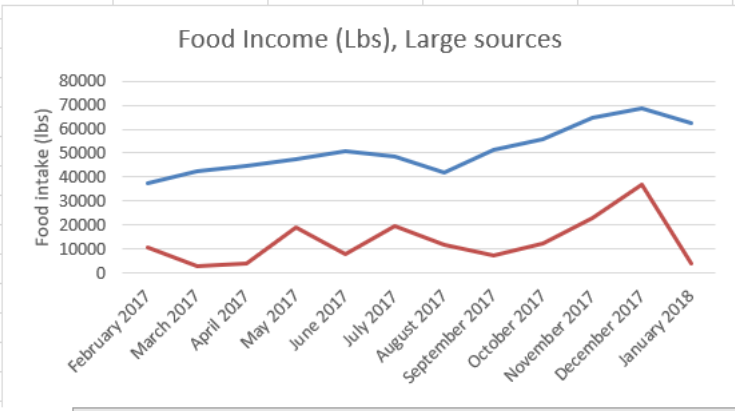


OUR SOLUTION



OUR SOLUTION


	12 Month Overview												Last Year's Performance
	February 2017	March 2017	April 2017	May 2017	June 2017	July 2017	August 2017	September 2017	October 2017	November 2017	December 2017	January 2018	January 2017
3 Grocery (lbs)	37578.5	42267	44514.5	47712.5	50869.5	48500	41642	51542.5	55817	64558.5	68695	62480	44553
4 Org/Corp (lbs)	10554	2736	4059.5	18799	8099	19587	11941.5	7525.5	12387.5	22890.5	37174.5	3966.5	2505.5
5 Individual (lbs)	3567.5	1927	2912.5	2248	1576	1993	3651	1745.5	3761.5	2980	4739	2315.5	2754.5
6 Church (lbs)	822.5	5182	984.5	605	1225.5	1052.5	487.5	323.5	2697.5	3148.5	463	619.5	3470
7 Purchased (lbs)	0	0	0	0	0	0	1158	1080	325	310	672	0	0
8 Senior program (lbs)	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Total Food Income (lbs)	52522.5	52112	52471	69364.5	61770	71132.5	58880	62217	74988.5	93887.5	111743.5	69381.5	53283
10 Waste (lbs)	1619	1475.5	1490.5	3247.5	3188	3073.5	1717	3830.5	2305	2141	3091.5	2858.5	1188.5
11 Total Collected (lbs)	50903.5	50636.5	50980.5	66117	58582	68059	57163	58386.5	72683.5	91746.5	108652	66523	52094.5
13 Number of Clients	1302	1367	1436	1485	1625	1668	1812	1683	1815	2327	1714	1723	1606
14 New Clients													
15 Total Impact	5213	5496	5687	5770	6601	6757	7293	6732	7215	9599	6763	6801	6516
16 Food Distributed (lbs)	52080	54680	57440	59400	65000	66720	72480	67320	72600	93080	68560	68920	64240
18 Ending Inventory (lbs)	45695	41651.5	35192	41909	35491	36830	21513	12579.5	12663	11329.5	51421.5	49024.5	



OUR SOLUTION: IMPORT EXPORT FORMAT

- All of our data is natively available as CSV files available for download
 - Fully compliant with RFC 4180: Common Format and MIME Type for Comma-Separated Values (CSV) Files
- Our native report format is Excel
 - ISO/IEC 29500-2012 Strict Compliant

OUR SOLUTION: AUTO-DEPLOYMENT

- Auto Deploying, Just need to setup credentials config files
 - Easy to use, no training required
 - Most processes are automatic
 - Hosting on Azure using their Non-Profit Program, Free indefinitely
- 

OUR SOLUTION: SCOPE OF SOLUTION

- 1,600 Food Banks across the US and Canada utilize Food Bank Manager
- Over 35,000 Volunteer Users
- Working with Don DeDecker, the leader of Food Bank Manager
- If we can save 35,000 Volunteers 10 Minutes of manual time we can save Food Banks the equivalent of over \$150,000
- We can save Jenn 5 Hours a month

OUR SOLUTION: SECURITY

- Web Frontend is secured by LetsEncrypt (2048 Bit RSA key)
- User's login protected by TOTP 2 Factor Authentication
- Protected Against and OWASP TOP 10 2017 Threats



OUR SOLUTION: SECURITY

- Running Server software that is FIPS 140-2 Level 1 Certified



UNCLASSIFIED



Canonical Ubuntu 16.04 LTS Security Technical Implementation Guide

Version: 1

Release: 1

23 Jul 2018

XSL Release 1/29/2015 Sort by: STIGID

Description: This Security Technical Implementation Guide is published as a tool to improve the security of Department of Defense (DoD) information systems. The requirements are derived from the National Institute of Standards and Technology (NIST) 800-53 and related documents. Comments or proposed revisions to this document should be sent via email to the following address: disa.stig_spt@mail.mil.

OUR SOLUTION: EFFORT

- Together we wrote over 2500 lines of code
- JavaScript adheres to Barr Group coding standard
- Python adheres to PEP8 (except for tabs)
- Published our web framework as an open source project
- Utilized a number of major open source libraries

LIVE DEMO

