Requirement Document Draft

Project Overview

* This Project will be the creation of a website that will allow Mr. Rogers and Ms. Smith to have a more streamlined and efficient way to organize and promote their bake sales.
* These bake sales include bakers and sellers from outside of Ms. Smith and use a table for a registration fee
* All bake sale information (date, time, location, list of sellers, list of sold items) will be publicly available on this website.

High-Level Components

* Frontend
  + The design of the website will be a responsive web application that is simple to use and easy to navigate.
* Backend
  + Will handle the processing of data, user management, and the logic behind the website
* Database
  + The database will store users’ account, transaction, and event data
* Calendar
  + For the scheduling and tracking of future bake sales showing availability for the event

Top Level Goals

* Create a website that is simple to use and easy to navigate which can be used to apply to sell items at the bake sale, see when future bake sales will be, and see what will be sold at an individual bake sale
* Simplify the management of bake sales for Ms. Smith
* Modernize the registration fee system by allowing bakers/sellers to pay online while still allowing cash or check payments
* Increase the popularity and engagement in the bake sales through ads and the senior centers website

Functional Requirements

* User Permissions:
  + Administrative Users:
    - Calendar to coordinate events (add, schedule, etc.)
    - Access to transaction record
    - User management interface
      * Be able to create accounts for other users and reset passwords manually
    - Be able to create and edit table layouts for each individual sale
    - Be able to view what each seller is selling at an event and the image included with the item
  + Bake Sale Management Users:
    - Viewable calendar that shows available sale dates and any sale that has already been scheduled
    - For each sale
      * Display to show how many tables are available and who is registered
      * Able to assign tables to sellers by dragging icons from a list of sellers to a graphical table layout
    - Able change registration fee status in case the seller paid in cash/check
  + Bakers and Sellers:
    - Ability to sign up for a bake sale
    - Pay registration fee
    - Create a list of items to sell and optionally include pictures
  + Customers/Basic:
    - View the senior citizens website
    - See ads about upcoming bake sales
    - Do not need accounts when viewing event information
* All information that needs to be stored will be done in the database
  + User information
    - Username
    - Password
    - Email
    - Type of User
  + Payment history
  + Event Information
    - Location
    - Date and Time
    - Sellers
    - Number of Tables
    - Seller Locations
* Working calendar that allows users to see when future events are and can see information about a specific event
* Integrate a payment system when signing up for an event

Non-Functional Requirements

* Usability
  + UI must be as simple as possible and easy to use
  + Any text on screen must be big and readable
* Performance
  + Should be fast and responsive to users
* Readability
  + The information stored on the website should be easy to access regardless of the type of user