Top Level:

- Make a simple system to help manage future bake sales and keep track of availability.
- Help Ms. Smith to keep track of all bake sale participants, transactions, and assign tables to sellers.
- Have sellers register and showcase the item(s) they're selling.
- Simplify the website to promote ease of use

High Level Component Architecture

- Admin Interface: used for viewing events, transaction records, and for user management
- Bake Sale Interface: used for upcoming bake sales, table assignments, and seller registration
- Bake and Seller Interface: used for sign-ups, fee payments, and list of what is being sold
- Customer Interface: used for the public, viewing upcoming bake sales, and links for them to sign up
- User Management: account creation, log in and out, and resetting password
- Calendar Management: scheduling new events, table assigning, and checking for availability for tables
- Sales Management: payment history and fee collections from customers/people
- User Data Management: user info, event info, transaction info, bake sale info, item info, and seller info

Functional Requirements

- Admin User: view, edit, and erase any events and users, reset passwords for users, and generate a report on bake sale transactions and participation.
- Bake Sale Management User: view and manage the bake sale calendar and manage upcoming events. Assign tables to participating sellers, see payment status and create flyers for bake sales.
- Seller User: sign up for upcoming bake sales, pay fees, create a list of what is being sold, edit their list, and view their table assignments
- Customer User: view upcoming bake sales, view what is being sold by sellers, and view details of events and flyers.

Non-Functional Requirements

- Application should work smoothly and be as simple as possible
- Payment should be efficient and work smooth
- Application should store all types of data securely