

Team 2 - User/System Requirements

User Requirements

- App
 - User is greeted with a welcome page
 - User can see a list of items, along with their prices, expiration date, product information, and product location
 - User can sort the items with various metrics such as expiration date or location of the store
 - User can see the location of the store and other store information when they click on the item
- Webpage
 - Log-in \ sign-up page for suppliers
 - Supplier's can see a list of their own items and their information
 - Suppliers can remove an item from their list (trash can?)
 - Supplies will auto delete when expired, removed from the database

System Requirements

- SQL database for inventory of products, which will have attributes such as store information, product price and information
- Xcode/swift to develop an ios app
- GPS, the app should allow the user to see directions to the supplier
- HTML/CSS/PHP to develop a webpage that suppliers can use to input products

Risk Analysis

1. We don't have a lot of experience collectively as a group with Xcode/swift, so there will be a learning curve to develop our app.
 - a. We can try to mitigate this risk by getting started sooner than later, and figuring out what exactly we will need in our app, as well as how to program these components in Xcode
2. Local/cloud storage issues with the database or database integration issues with the app
 - a. We can mitigate this risk by researching various platforms for our database, as well as trial and error by making sure that the platform we choose can safely and efficiently hold our data.
3. GPS integration issues, or we don't have enough time to properly integrate the GPS component in our app.
 - a. We can mitigate this risk by getting started on this component early, and trying to ensure we know how it works. We can also have a backup, so if worst comes to worst, we can at least have some directions mocked up.
4. We get overwhelmed with other classes, and don't really have time to do a good job on this project.
 - a. We can mitigate this risk by getting started on our project early, and trying to do at least some work consistently over the coming weeks. We need to also avoid waiting until the last minute to get started on this project.