

Streamlines:

- No longer have to take the logbook of sold and missing items and then enter it in the computer. App logs it throughout the day
- Filling things which are missing
 - Whatever is missing is assumed to be sold
- Rotten goods are removed specifically
- At the end of the night all above logged goods are entered from the paper

People are continuously removing expired goods

Everyone has an iPad

If a certain number of items are sold then you're alerted to restock that area

If the system could somehow track expiration dates

Goods coming in have expiry dates logged / known as part of shipping confirmation

Platforms of existing computers

- Windows7
- They would prefer a webapp - browser compatibility only
 - Could change browsers
 - Currently use ie6

Mobile app for customers

- Sole purpose is for people to see what currently is in stock at the store in real time
 - To make things more efficient for people coming in
 - Get additional info to make shopping quicker
 - This is an optional part of the scope
 - Not necessarily exact numbers
- Ranges
 - Shows as a percentage of all stock
 - Expected to be restocked by employees
 - They want to avoid customers not having their thing on the shelf
 - Managers can modify the percentages
 - Shows red-low to green-high

Stockers

- Being able to change what's on the shelf or what's in the back is fine
- Stocking is just changing the count on the shelf - **very desired**
- They just say "this went from the back to the front"
- Overall product count doesn't change, just says that they did facing
- They would like to avoid employees being able to change overall stock count
 - That's for managers and receivers

Receivers

- They receive the stock
- Currently they say that they have so many bread or whatever and enter it into the existing system
- They can capture expiration date at this stage
- Ideally a regular employee shouldn't be able to receive so many bread
- No scanning

- They use PLUs
- They can flag discrepancies for what was ordered vs what arrived
 - Gets forwarded to the manager
 - We got 900 bread but ordered 900

Metrics for statistics visualization

- Nice for the managers so long as there's access to the raw data
- This is how many apples were ordered last week vs what's sold this week

THEIR ORDERING SYSTEM IS A MONTH IN ADVANCE

They might want to do historical trending in order to figure out what's a good amount to order at the current time of year

- Visualize historic trends - month vs month vs month over the last years
- Percentage of things which are going bad - trends
- They would like theft tracking as a general "unaccounted for" category
- They do weekly shelf counts
 - ?????
 - Seems like a red herring
- Some statistics get value from frequency
 - "You guys realize"
 - They would like to see adjustable scope
 - Daily increments as much as they want
- Metrics on how often stock is hitting 0

POS

- When you scan a barcode it asks the database how much the item is right now
- Inventory system not related to prices
- Pricing not done store to store, nationwide - so it's not really our problem

Databases

- More localized
- Does it need to be scaled?
 - Does not need to be scaled up
- There's a lot of data in there that they would like not to migrate
- We have space on the database
- Each store has a table in its database
 - They all connect to the nationwide one
- The program will use an identifier during accessing which tells the db which tables it wants

If a random employee says that 300 high value items SUDDENLY WENT BAD then they would like to know which employee did that

- The app will have a login
- Ipad stays in the store
- Forced logout "if an employee is careless"
 - Inactive after a couple minutes

- Maybe we can have a lower overhead login process for when you've been LOGGED IN
- NFC Stuff as an option
- Employees currently have magnetic cards
 - They use it for the punch system and they swipe
- Just a pin

The 4 in 10000 seems free

When the internet is out

- When things are entered they should be cached until the network is back online and then everything is pushed
- Can't have restocking stuff lost due to connectivity is not ok
- Receiving can be ID by an invoice number or something which lets you cross reference
 - The database will have invoice number

Facing

- Don't want it to look like it's slim pickings
- How do you restock items sold based on weight?
 - Not every carrot is getting scanned or being put into the system
 - Produce can be
 - There are scales in the back
 - **They need to be able to enter weight or remove weight *****
- **THE SYSTEM HAS TO SUPPORT BOTH WAYS OF SELLING ITEMS: weight and by the item**
- A SLIDING SCALE FOR MANAGERS IN TERMS OF PERCENTAGE OF SHELF CAPACITY
 - Be able to update capacity
- They are expecting setup overhead
 - But ultimately it's pretty configurable
- Managers can define "shelf" capacity by either weight or count
- import/export csv
 - Especially for defining shelf capacities

Mobile app has to communicate with

They have a website that is essentially just an ad and is useless

Corporate can log into the app

- Is the store making money?
- What products are making money?
- Read only visualizations and raw data
 - They have logins with view only access
 - Managers get read/write access
- How do you add new managers?
 - All hiring and promotions go through head office anyway so IT would take care of elevating privileges and etc
 - Have a table of “this is their name and this is their data and role and job etc”
 - They want logins to go through the database at corporate
 - When there’s an internet outage, data doesn’t leak