`Milestones:

1. Build the website skeleton but it should not yet interface with database.
2. Create the database and test data inputs for development.
3. The website should communicate with the database and display the test data from the database.
4. Create the scanning system functionality.
5. The database should recognize if there is a unseen barcode. If there is not create a UI to prompt the user to complete the task.
6. The Login system is functional. Users are able to login to the website. This will depend on whether we are able to use UC's authentication system.
7. The Website shopping cart system is functional. Users are able to select items from the database to 'checkout'.
8. Checking out items removes the correct number of each item in the shopping cart from the database.
9. Checking out items sends a receipt to the user's email account.
10. The Shopping cart reserves items for a limited time to prevent two users from checking out the last of a specific item from the pantry. (ex: one bag of crackers in pantry two users check out the crackers near the same time, so that the second user saw the crackers as a valid item at the time of check out).
11. When a user checks out emails a receipt with the recipient's M number or 6+2.
12. Employee tools are functional. Users are able to select an open order and cancel it. Then the order will be marked as 'ready for pickup' or marked as incomplete. Order details should be similar to sending a receipt.
13. The admin tools are functional. The pantry administration are able to limit the number of items based on value assigned to each item at time of first scan or number of items. Admin tools also sends survey to each user after a specified number of checkouts.
14. Statistics working correctly. Administration can see how many users have 'checked out' in different timeframes, average number of items per checkout, and how many unique visitors have visited the pantry page. Administration should also be able to blacklist users, should a user be found abusing the system.
15. Mobile version of website is functional, works on Android platforms, and Apple mobile platforms.
16. Mobile version of scanning system is functional, using the camera on a mobile device (utilizing a barcode scanning api)
17. Bug fixing / tech debt
18. Minimum viable product

Bearcat Pantry Tasks

1. Develop a login system for administrators and students. – Adam Joseph Kowalski - February 3 2019
2. Look into using the University of Cincinnati's authentication system within the website. -Will Allan Severson - February 3 2019
3. Design website interface to meet the University standards. - Andrew David Kump - February 3 2019
4. Develop shopping cart system to allow the students to choose and checkout inventory from the website. a. A team member needs to look into using cookies to maintain a shopping cart session. - Christian Micah Davidson - February 3 2019
5. Investigate site and database security. - Adam Joseph Kowalski - March 3 2019
6. Design a notification system to alert bearcat pantry workers when a student has checked out items. - Will Allan Severson - February 17 2019
7. Develop a way to send a receipt and survey message to student upon completion of checkout. - Will Allan Severson - February 17 2019
8. Design basic administrator tools to limit the number of items a student can check out among other things. - Christian Micah Davidson - February 17 2019
9. Develop system to collect and manage pantry checkout data. - Andrew David Kump - February 24 2019
10. Consider anonymity of the system. – Group activity - February 24 2019
11. Consider the viability of developing an "amazon locker system" for item retrieval. - Adam Joseph Kowalski - March 31 2019
12. Consider Database API to enhance readability of code and simplify future use. Andrew/Christian - March 17 2019
13. Implement system to email student when their order is ready: once a student worker has prepared the order, they can click a button to email the student. - Will Allan Severson - March 17 2019
14. Develop form for student worker to use barcode scanner with to scan items into the database. If a barcode has not been seen before, prompt the worker to enter basic information about the scanned item. - Adam Joseph Kowalski - March 31 2019
15. Testing of the entire system will need to be done by a team-member. – Andrew David Kump - April 14 2019

	Timeline	
Task	Start	Finish
1	1/7/19	2/3/19
2	1/7/19	2/3/19
3	1/7/19	2/3/19
4	1/7/19	2/3/19
5	1/7/19	3/3/19
6	2/3/19	2/17/19
7	2/3/19	2/24/19
8	2/3/19	2/24/19
9	2/3/19	2/24/19
10	2/3/19	2/24/19
11	2/25/19	3/31/19
12	2/25/19	3/17/19
13	2/25/19	3/17/19
14	2/25/19	3/31/19
15	2/25/19	4/14/19