

Prototype Summary

This term we will be using elements of the Agile Approach and Spiral Method for the lifecycle development of your project. For each prototype you will complete a targeted cycle of analysis, design, and implementation, meaning that you will reach completion of full CRUD operations on key aspects of functionality for your end-product in stages. In this document, we share with you the broad vision of how your targets will be broken up over the course of 3 prototype sessions, focusing in detail on the target deliverables you have for Prototype 1.

Broad Stroke Vision of GROW Prototype Evolution

- Prototype 1:
 - Manage customer information
 - Complete the customer household data collection and storage
 - Reports based on client income, mapping.
- Prototype 2:
 - Demonstrate maturation of Prototype 1 functionality
 - Point of sale system
 - Tracking the items sold and prices
 - Linked sale to the household number
 - Reports based on this data.
- Prototype 3:
 - Demonstrate maturation of Prototype 1 and 2 functionalities
 - Complete the email/push notification system
 - Include employee login process
- Final Presentation
 - Prototype Targets 1 – 3 completely debugged and finessed!

Prototype 2 Plan in Detail

Members of your team will continue to improve the P1. Make headway on the feedback from your instructors and the client to continue improving part 1.

At the same time, your team must move forward and add the following functionality to the application:

- The product tracking system:
 - A method to track/update/enter prices and items for sale.
 - Divide these up into the required sub-groups such as vegetables, canned, etc. for quickly finding the items at checkout.
- Point of sale system:
 - Identify the household.
 - Allow the client to create/save/print a receipt of the items purchased at a given time.
 - Track the volunteer who made the sale.
- Produce more reports:
 - A summary of a households purchases over a given timeframe.
 - Others that are asked for or you can think of.

Prototype 2 Grading

You have 2 graded sessions for Prototype 1. Your targets will be broken down as follows:

- **Week of Mar 7th : Faculty progress review meeting (10%)**
 - Review your database design
 - Demonstrate a working data collection and survey system along with a menu system to match
 - Showcase various screens to allow data management (edit, sort, etc.)
- **Week of Mar 14th: Client Presentation (20%)**
 - Demonstrate a working data collection application with at least 10 sets of complete data included. Your demonstration will include entering a new client, editing various parts, etc.
 - Provide the instructors with a complete data model for review (you do not need to review this with the client).

Azure Hosting Requirements for the Prototype

We ask that all teams have their completed prototype work for faculty and client review meetings uploaded and hosted in Azure the day before your faculty/client meeting. Each team will have their Azure Host email faculty and/or the client with their team's Azure link by noon the Sunday before the presentation. This will enable your reviewers to look through your team's work prior to the presentation.

We require all teams to use the app that was hosted in Azure for the Sunday deadline for the review meeting or client presentation. Once the presentation has been conducted, if you have additional work to showcase, you can factor that into your presentation plan at the end.

Faculty Progress Review Meeting Rubric (15 Marks)

- The relational database design is logically correct and matches client requirements (5 marks)
- Your team has a fully functioning data collection/management & menu system in place at a simple level (5 marks)
- You conducted the meeting in a professional and methodical fashion (3 marks)
- Your team demonstrated work-in-progress for elements of client presentation targets (2 marks)

Client Meeting Rubric (15 Marks)

- Target functionality for all Prototype 1 elements, including the Faculty Review Items, are fully working and are in an evolved state from the last meeting (12 marks)
- You conducted the meeting in a professional and methodical fashion (3 marks)