Progress Report

- Increment 3 -
Group #8

1) **Team Members**

   John Fleming - JRF18 - JohnRyanFleming

   Mason Joy - MBJ19B - FloridamanProgram

   Alex Jeannite II-adj18-adj18

   Justin Nahorny - jrn18

2) **Project Title and Description**

   RecipeBuilder:The project will be to develop a web application and corresponding databases with the purpose of storing, listing and organizing various food recipes and their ingredients. It is intended to provide user functionality through tracking a collection of their favorite recipes and an inventory of what food they have on hand.

3) **Accomplishments and overall project status during this increment**

   Functionally, there were not many changes made to the program. At a fundamental level, it is almost identical to increment two, but the system is now more fluent. With the inclusion of bootstrap, we have overhauled the user interface to look more professional and appealing to the average user. Both the functions for adding to and viewing the pantry have been fine tuned for a smooth user experience. Creating and viewing recipes also saw reworking, ensuring the user input matched the format given by the pantry regarding ingredients and acted more smoothly for outlining the steps of the recipe. At this point, the project is a complete product. Taking the functional program from increment two, we have improved the user experience to both satisfy the functional requirements of the scope of the project while also ensuring it would be appealing in both visual design and ease of use.

4) **Challenges, changes in the plan and scope of the project and things that went wrong during this increment**

   The largest change made was when we finally decided how to improve the overall visuals of the user interface. The inclusion of bootstrap was smoother than initially expected, but did come with some minor problems that needed to be solved. One of the first issues tackled was actually more of an opportunity, the heading given by the format allowed us to easily add a search bar, so we could rework the system to instead use that to let the user search for recipes instead of needing an individual html page for that functionality. After that we faced some periods of bugfixing as portions of the interface for user input became unresponsive after including bootstrap. The final scope of the project did not change too much from what we set out to do at the start of the final iteration. Some aspects of the overall functionality was pruned, ultimately, we decided to keep the measurements used for ingredients in recipes and the pantry simple and constrained over the more diverse list and complex conversions we originally planned for. This was a decision made in the interest of time, we ultimately decided it would be better improve the functionality currently implemented rather than trying to vastly expand one of the simpler components that already satisfied the scope of the project. This led to the final product being well developed instead of including some flashier aspects that might have risked the integrity of the system.

5) Team Member Contribution for this increment

Alex Jeannite

1. Took the lead in discussions on challenges faced by improving the visuals of the system, was the most knowledgeable about the introduction of bootstrap into the program.
2. Alex took lead on the R&D Document, acting as the final author for the document itself and creating the necessary diagrams used in the document.
3. Alex contributed discussion on the expansion of the system with the inclusion of bootstrap into the system, heavily modifying the nature of the use of basic html that formed the original user interface.
4. Alex heavily modified the original html code to be overhauled with bootstrap, massively improving the visuals of the user interface.
5. Alex contributed to the development of a script and ideas for future implementations discussed in the demo video.

John Fleming

1. Contributed the video link and discussions on the final scope of the project, with a focus on ensuring the final scope would be reached within a week of the deadline to have space to clean up the code and write out the documentation.
2. Contributed to discussion of functional requirements and the final scope of non-functional requirements.
3. John contributed to discussion on methods of testing and the inclusion of bootstrap into the program to rework the visuals of the user interface.
4. John focused on reworking the pantry to include a constrained system for measurements, instead of letting the users input any string adding to a pantry required the user to select from a predefined list of measurement options. John also worked on troubleshooting the system and helping work out potential security issues in the SQL database.
5. John will take the lead on hosting the video for ease of production while other group members contribute to script creation.

Justin Nahorny

1. Contributed to discussions of the final scope of the project, pushing to include as much as possible before the deadline to ensure the product was the best the group could produce.
2. Contributed to discussion of functional requirements necessary for the final product and the final changes in scope that would determine the non-functional requirements of the system.
3. Justin will take the lead on the IT document, writing out the sections listing languages, platforms and databases used as well as our methods for testing.
4. Justin focused on improving the AddRecipe function of the program. Fine tuning the user input so they could cleanly input individual steps and ingredients into their respective tables for a given recipe. Ingredients were also expanded to match the complexity of the pantry, properly dividing their name, quantity and measurements.
5. Justin contributed to the development of a script used in the demo video.

Mason Joy

1. Mason will take the lead on completing the progress report. He contributed to the main sections of the report, the description, accomplishments, challenges faced during the final increment.
2. Contributed to overall discussion and assisted in design of the diagrams used.
3. Mason contributed to discussion on the inclusion of bootstrap for the final increment and methods for testing what we considered to be the final product

4. Mason focused on adding quality of life improvements to the pantry system.
5. Mason contributed to the development of a script for the demo video.

6) Link to video
https://youtu.be/AgdXBoqaNZ0