**Progress Report**

**- Increment X -**

**Group #11**

*Please use this template to describe your progress on the group project in the latest increment. Please do not change the font, font size, margins or line spacing. All the text in italic should be removed from your final submission.*

# Team Members

Charlie Penner – cfp20 – CharliePenner

Eli Bendavid – erb21n – EliBen8

Gordon Leadbetter – gal20a – gordylead

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1. **Project Title and Description**

Title: Recipes & Fitness

Description: This application will allow users to browse cooking recipes from a database as well as create their own recipes. It will also track the nutrition information of recipes based on their ingredients, allow users to add ingredients they are missing to a shopping list, and allow users to track their calorie deficit or surplus based on their fitness regimen and foods they eat.

1. **Accomplishments and overall project status during this increment**

During this increment we have accomplished the planning stages that will allow us to move forward with building our application. Firstly we established the operating environment for our software and the programming languages that we will be using. An RD template has been created outlining the softwares requirements and design. This document outlines functional and non-functional requirements ordered by their priority, this will help with dividing and planning work for the next increments of the project. A use case diagram and class diagram where created in order to provide visual representation of classes and their relationships as well with outlining the planned interactions between the user and system.

Overall the project is in good standing as compared to the initial scope. The initial functionality proposed has been broken down into chunks that express the specific architecture of the software. This will help guide the coding process, ensuring the applications implementation aligns seemingly with the planned functionality.

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

We encountered a challenge in determining the best approach to managing a vast collection of recipes while ensuring seamless alignment with user generated content. After careful deliberation, we opted to leverage a third-party recipe database. This decision was made with an eye towards expediting development and providing users with an extensive selection of recipes. The alternative of developing an in-house database was weighed against the potential time investment and usability, ultimately leading us to choose the third-party solution for its proven reliability and broad range of offerings.

1. **Team Member Contribution for this increment**

*Please list each individual member and their contributions to* ***each of the deliverables in this increment*** *(be as detailed as possible). In other words, describe the contribution of each team member to:*

* 1. *the* ***progress report****, including the sections they wrote or contributed to*
  2. *the* ***requirements and design document****, including the sections they wrote or contributed to*
  3. *the* ***implementation and testing document****, including the sections they wrote or contributed to*
  4. *the* ***source code*** *(be detailed about* ***which*** *parts of the system each team member contributed to and* ***how****)*
  5. *the* ***video or presentation***

1. **Plans for the next increment**

Many of our application’s features will be dependent on a user account system to store users’ recipes, nutrition and fitness information, and shopping lists, so we will prioritize implementing this first in our second increment. Our next priority will be to build the foundations for the recipe database and recipe creation, as well as the calorie/nutrition tracker.

The shopping list feature and tracking users’ caloric intake and fitness information will be less of a priority because they are auxiliary features that depend on other features already being implemented.

1. **Link to video**

*Paste here the link to your video.*