School of Computing  
CA326 Year 3 Project Proposal Form

**SECTION A**

Project Title \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Food2Go\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student 1 Name \_\_\_\_\_\_\_Colin Ekedigwe\_\_\_\_\_\_\_\_ ID Number \_\_20403046\_\_

Student 2 Name \_\_\_\_\_\_\_Gideon Amaechi\_\_\_\_\_\_\_\_ ID Number \_\_20364806\_\_

Student 3 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ID Number \_\_\_\_\_\_\_\_\_\_\_

*(A third team member is exceptional and requires detailed justification.)*

Staff Member Consulted for supervision \_\_\_\_\_\_\_\_Michael Scriney\_\_\_\_\_\_\_

Project Description (2 pages max)

**Introduction**

*Describe the general area / problem covered by the project.*

This project aims to provide meal preps and recipes to help people along their fitness journey to reach their desired goal. Your diet is an essential part of getting to your goal. Food is time-consuming to make and with certain lifestyles people struggle with maintaining and making quality food which can hinder progress. This project can provide ready-made meals and quick and easy food recipes to make.

**Outline**

*Outline the proposed project.*

A meal prep website with where people can order pre-made foods from different categories such as bulk, lean, and shredded. Different options for people chasing different goals. There will be recipes included on making certain meals if you are someone who loves to cook. Possible sections such as a recommended and most popular will be included.

The recommended section will have meals that we feel would suit the user depending on the type of body they are after. It will include options from 1-5 and within these we will layout the meals that the user can chose to order to help them start their journey. We plan on using JS and incorporating a database for this to provide use with the nutritional value of the content. This recommender system will have slides so the user can quickly skim through the options before deciding to click one of them where they will get more information before they can decide to purchase the item.

The body type section will have a video explaining to the user what for example bulking is and so on. Information in relation to exercises one can do while taking out meal prep plans with us will be included underneath the video. Recommended combinations for breakfast, lunch, and dinner will be shown just before the full meals for bulk. Meals for breakfast, lunch, and dinner will be shown underneath this. And the most popular foods from each category of breakfast, lunch, and dinner will be shown to the user as well underneath the meals.

A most popular section will be included too, this will have the most purchased food items again depending on the type of body so for example if we go into bulk for breakfast, lunch, and dinner we would show the user the most meals ordered. This would use the same principles as our recommended system. We decided on doing this as for the user it can help reduce indecision. This section again will mainly involve JS.

The components of this project will include a login page to allow the user to have access to their own account. Our full menu of foods will be displayed on a section showing all the foods we have – breakfast, lunch, and dinner. Sections such as bulk, lean, and shredded will be included, depending on the type of body one wants to go for. A recommended section will be included to help give suggestions on what the user may be interested in. A most popular section will be included to show the most purchased goods/ meal preps. An order section will be added to allow the user to order their items.

A database for recipes and food will be incorporated. Essentially it will mainly be for recipes this will allow us to be able to have information on the items being displayed on the website. We will also need one to allow the user to login and register as well Django will be used for this. HTML, CSS, and Java will be the main components that our project will fall on.

A customer review section will be included close to the bottom of the website. Images of the previous users with their comments and stars will be visible.

**Background**

*Where did the ideas come from?*

Experience in having to go travel from college to the gym and then to make food, is time consuming especially when there are certain nutrients you want to consume to maximise your gym performance but due to time you must alternate and make do with what you have. Having meal preps would save time and you know the food you are consuming is for your target either it is consuming a certain amount of protein etc...

**Goals**

*What will the project aim to achieve?*

*Why/when/where/how will it be useful?*

Food2Go will provide the ability for individuals to be able to order meals based on their target goal. If one wants to bulk – add weight, then we will have meals and recipes available for them to choose from. For each body section – bulk, lean and shredded educational videos will be provided to give the user an idea of what something like being lean is and what it incorporates. A description of it will be included too.

This is useful for everyone as the videos included can help those who are less educated in fitness. The meal preps save time for those with a busy life who do not have time to cook for themselves and for those who are less educated when it comes to food content.

**Programming language(s) and tools**

*List the proposed language(s) you plan to use and any other software tools you might use (compiler, database, web server, etc.)*

Backend: Django, Python

Frontend: Node, HTML, CSS, JS

**Breakdown of work**

*Clearly identify who will undertake which parts of the project.*

*It must be clear from the explanation of this breakdown of work both that each student is responsible for separate, clearly-defined tasks, and that those responsibilities substantially cover all of the work required for the project.*

**Student 1**

*Student 1 should complete this section.*

Django – interaction will be needed so allow users to login and register to collect their meals and order.

A sketch of how the layout of the website will look like.

Html, CSS, and JavaScript focusing on the individual pages (meal preps) and recipes for certain meals.

Testing will be done throughout the project such as ordering, login/logout, registering and ensuring basket updates once items are selected.

**Student 2**

*Student 2 should complete this section.*

Html, CSS and JavaScript, focusing on the main page of the website, individual pages (meal preps), and ordering section of the website.

Adding the videos and description of the bodily types.

And recipes for certain meals.