



# DCUMunch

"More than just food."

## CA326 – DCU Munch Blog

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### Introduction

Welcome to our blog post! Here we will talk about our progress throughout the days up until the deadline. We will also talk about our design and how the project is going.

### 15th October 2022

We emailed Mark Humphreys and asked if he could be our supervisor for our DCU Munch proposal.

### 21th October 2022

Mark approved our proposal via email.

### **11th November 2022**

Our project was not approved by Paul Clarke, we had to make some changes to our idea as it was "under cooked". He stated that there wasn't much features added to the idea.

### **15th November 2022**

We had a talk with Mark and we came up with some new ideas to add to our existing idea, they are listed below.

- Admin version of the application where DCU catering can create their own profile
- Admins can upload their name, phone number and all relevant information. They can also upload all the meals.
- We added more catering locations e.g business cafe and Nubar
- Students can enter their dietary requirements and useful info such as height, weight and sex
- Implementation of a rating algorithm similar to a social media feed algorithm.
- Admins can upload their name/phone number. Admins can also upload all the meals and different meal deals.
- Using Edamam API/MyFitnessPal API to browse and retrieve data from any meal uploaded by the admins

### **17th November 2022**

Mark approved our project, we provided him with the API that we will use, and revised our proposal.

### **25th November 2022**

Created a GDPR/Ethics form for user testing.

### **25th November 2022**

Started our functional specification.

### **26th November 2022**

Gantt chart was created which outlined important dates for submission in order for us to keep on track

### **3rd December 2022**

We submitted our functional specification

### **28th December – 2nd January**

Joseph finished the models and initial setup for the application. We decided to change to SQLite instead of SQL Database. We stated in the functional spec that we would use SQL.

### **3rd January – 5th January**

Genesis worked on the views and made sure it worked.

### **12th January – 18 January**

Joseph added the google authentication in order for dcu students to sign in with their dcu email address.

By the 18th of January it has been fully implemented and now students can log in.

### **20th January – 22nd January**

We ran some tests to make sure everything is working perfectly.

Also done some unit tests

### **27th January – 3rd February**

We created our feed algorithm that we will use to recommend different meals to each student based on their dietary requirements.

### **5th February**

Joseph added the munch button was added to the feed branch and the like button allowing users to like and unlike meals. When the user clicks the munch button it decreases their calorie count.

### **6th February - 12th February**

Genesis started working on the shopping basket branch and completed it. There were some errors that we bumped into and they have been fixed now.

### **19th - 24th February**

Genesis started the functional specification and completed it on the 24th

### **20th February**

We had a meeting with Mark, our supervisor. He gave us some feedback which is stated below.

- He said our API is really interesting
- Mentioned that we have no data in place in our code
- Add a unselect for everything
- Make it well presented on a mobile screen
- UI needs more work

### **22nd February**

The backend code was completed, we added the restaurants menus into our database and added a unmunch button, we started on the front end and css.

### **22nd February**

We had another meeting with Mark, he was happy with our progress.

### **23rd February - 24th**

We continued to do the css, we also started and completed our user manual.

The whole application was complete at around 1am on the 24th

### **To Finish**

We have learned a lot throughout the course of this project and will both be carrying on this knowledge in the future. Although it was very difficult and challenging we both really enjoyed it. Thank you very much for reading our blog.