# Student name, number, programme and specialisation

Hello, my name is Joey Tatú, my student number is 15015556 and I am in the BSHC Software Development specialisation.

# What will the project do?

* Creating an Android application.
* Health app catering for vegans.
* Check food item via database whether it is suitable for vegetarians/vegan or a specified diet.
* User will be able to scan the barcode of the item and the nutritional information and ingredients will be displayed.
* Users will be able to add this to their meal plans.
* Meal planning.
* Restricted items will be highlighted.
* Users can click on an ingredient to get more information.
* User will be able to submit new food items or edit items in the database. These will be approved to avoid spam.
* This is not a replacement for seeing a medical professional, as it more of a guide. The user will be advised of this.
* App will scan eyes and will check one’s health by the colour of the whites of their eyes.
* App will scan one’s heath rate
* User can input height, weight, etc.

# Why is it challenging?

* There is no app available on the Google Play Store that scans one’s eyes to check their health.
* Will learn how to do the coding for that as well as to monitor heart rate.
* I enjoy doing Android projects, but these can be quite difficult for me and I would like to relearn how to make apps and to improve what I already know.

# Who is the project for?

* The app will be marketed for vegans and vegetarians, but people who are allergic to certain foods or have an intolerance to certain food or foods could also use it. Or in general, anyone would be able to use it.
* From minor research, and my own experience of adverts, there always seem to be a want for diet items, websites and apps.

# Why should this Project be attempted?

* I have recently changed my diet to a vegan diet.
* I would like to know more on veganism.
* I also would like to have the opportunity to help others who would like to feel better about themselves.
* I will find the project challenging but also incredibly rewarding after completion.

# How is it different than what has been done in this area before i.e. do some preliminary research to ensure there is not an obvious example of the exact same idea?

* There are many health apps on the Google Play Store, but most seem to need input from users solely and none of this is somewhat automated. The vegan apps I have tried are honestly lacking a lot and are seemingly very basic. I would like to flesh out my own version of these apps more and make the app actually quite useful.