

Veggie Check User Manual

CA326 Third Year Project

Project Title:	Veggie Check
Student 1:	Amelia Grigoriev - 19348241
Student 2:	Róisín O'Rourke - 19360491
Supervisor:	Paul Clarke
Date Completed:	03/03/2022

Table of Content

What is Veggie Check?	3
How does Veggie Check work?	3
Walkthrough of Veggie Check	4
Login / Register	4
Homepage	5
Search individual ingredients	5
View Non Vegan Ingredients	6
Scan Ingredients	7
View Results	8

What is Veggie Check?

Veggie Check is an application that can be used by people throughout their daily lives and particularly when out shopping to check if a food product is vegan friendly or not. The app works both online and offline so it will always be available for use. It can be used to scan products to check if they are suitable for consumption by vegans, but can also be used to check individual ingredients or to familiarise yourself with the various non vegan ingredients so the user can more easily identify products that are not suitable if they do not have their smartphone on hand.

How does Veggie Check work?

Veggie Check works by using the iPhone camera to capture an image of a list of ingredients. Text recognition is then used to process the list of ingredients and allow them to be checked to see if they are vegan friendly. Once the ingredients are processed, they are passed to an external API which checks if each ingredient features in a database of non-vegan ingredients. If none of the ingredients are flagged by the API, the food product is deemed vegan friendly. If the user does not have an internet connection, the ingredients are checked using a local database on the application.

Walkthrough of Veggie Check

Login / Register

When the user opens the application, they will first meet the login page. Here they will be asked to sign in and enter their email address and password. If the user does not have an account set up, they can click on the registration button, which will take them to a separate page where they can enter their name, email address, and password to create an account and sign up.

23:34

Login

Email

Password

[Forgot Password?](#)

Login

Register

23:35

Register

Email

Password

First Name

Last Name

Sign Up

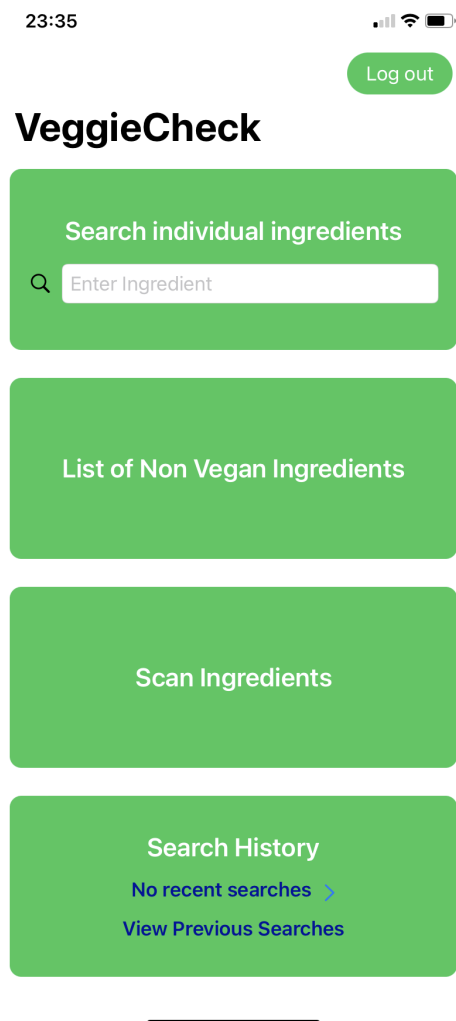
If the user has forgotten their password they can select the ‘Forgot Password?’ option on the login page. The user will then be taken to a different page where they must enter their email

address used for their account. A new password will then be sent to that email address and the user will be able to log into their account again.

The user will be notified if an incorrect password is entered or the email address entered does not have an account associated with it, and they can then try again with the correct details.

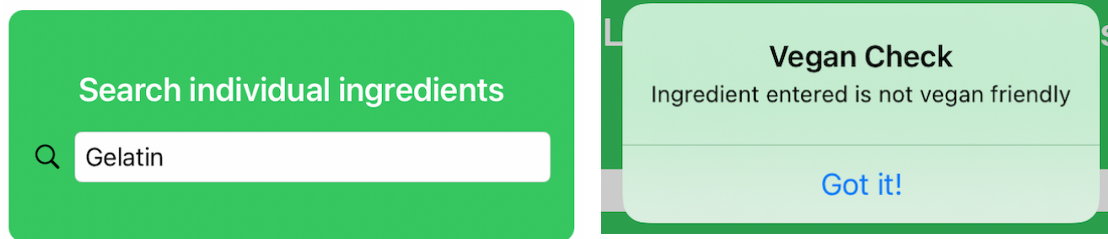
To log out of the application, the user must click the 'Log Out' button in the top right corner of the homepage and will then be taken back to the login page.

Homepage



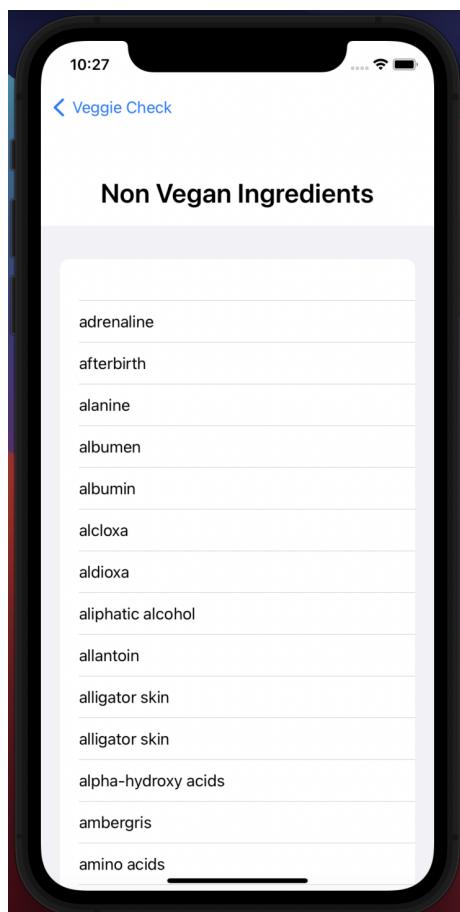
Once the user has successfully logged in or created their account they will be taken to the homepage of the app. Here the user can view the four main functionalities of the application divided into equal sections - scanning ingredients, searching ingredients, view recent searches, and view a list of non vegan ingredients. The button to log out of the application is in the top right corner.

Search individual ingredients



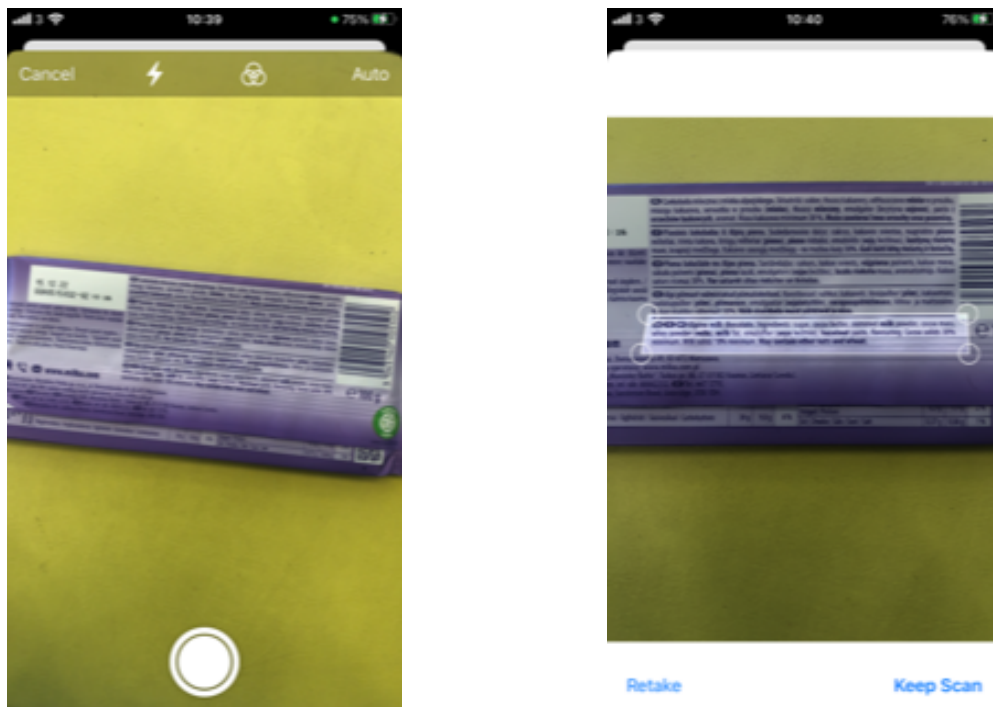
If the user wishes to check the status of a certain ingredient, they can do so using the ‘Search individual ingredients’ functionality on the homepage. The user must click on the textbox and then enter the ingredient they wish to query. Once the ingredient is entered, the user must press enter on their keyboard. A notification will then appear on the homepage, informing the user whether the ingredient is vegan or not. Once the user has read the notification they must click the ‘Got it!’ button to dismiss it.

View Non Vegan Ingredients



If the user wishes to see what are the common non vegan ingredients, they can click on the “List of Non Vegan Ingredients” option on the home page. The user will then be taken to a separate page featuring a list of non vegan ingredients that they can scroll through. When the user would like to return to the home page of the application, they can press the Veggie Check link in the top right corner to leave the list of non vegan ingredients page. The user can use this page to familiarise themselves with ingredients to look out for.

Scan Ingredients



To scan a food product, click on the 'Scan Ingredients' button on the homepage. The application will then open the smartphone camera. The user must position the camera to take a picture that will capture all of the ingredients on the product. The user will then crop the image to focus only on the ingredients. If the user is happy with the image, they must click 'Keep Scan' in the bottom right corner. The camera will reopen and the user can choose to take another photo or they can click 'Save' in the bottom right corner. The user will then return to the homepage of the application.

View Results



On the home screen, the ingredient list processed will appear in replacement of the ‘No Recent Searches’ text. The user must click on the text that appears to see the full list of ingredients and the vegan status of the search. If the user wishes to view previous scans of theirs they can click on the ‘View Previous Searches’ link on the homepage.

Most Recent Search



Most Recent Scan

**Product Scanned is
Vegan Friendly**

Ingredients:
INGREDIENTS: Water, Almond (2.3%), Calcium (Tri-calcium phosphate), Sea salt, Stabilisers [Locust bean gum, Gellan gum], Emulsifier (Lecithins [Sunflower]), Vitamins (B2, B12, E, D2).

Previous Searches



Scan History

Not Vegan Friendly
Ingredients: sweeteners: isomalt, acesulfame-K, butter (milk) (7.9 %), cream (milk) (7 %), salt, flavourings, emulsifier: soya lecithin.

Vegan Friendly
INGREDIENTS: Water, Almond (2.3%), Calcium (Tri-calcium phosphate), Sea salt, Stabilisers [Locust bean gum, Gellan gum], Emulsifier (Lecithins [Sunflower]), Vitamins (B2, B12, E, D2).

Vegan Friendly
INGREDIENTS: Water, Almond (2.3%), Calcium (Tri-calcium phosphate), Sea salt, Stabilisers [Locust bean gum, Gellan gum], Emulsifier (Lecithins [Sunflower]), Vitamins (B2, B12, E, D2).