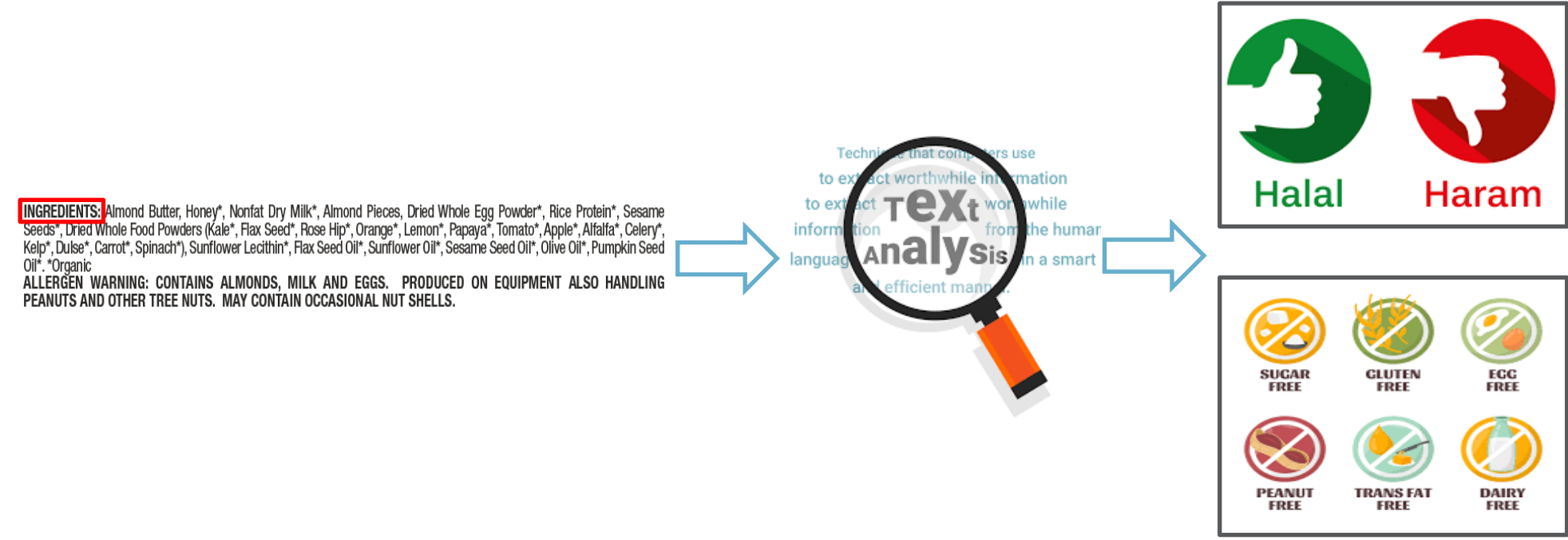




## 01 INTRODUCTION

Muslims usually grow up in their family homes, cities and villages, where they can choose from a wide variety of foods and drinks free from all haram. However, it is important to read the nutritional ingredients of each product to ensure that it does not contain any Haraam substances, especially when traveling to non-Muslim countries. In addition, some people should avoid certain products because they contain ingredients that cause them an allergic reaction.

To help people distinguish between halal and haram, As a result, we created an application that we believe will help people distinguish between Halal and Haram. The app can scan and analyze the written text behind any product at the supermarket, classifying Halal and Haram ingredients and avoiding any product that may contain ingredients that cause allergies.

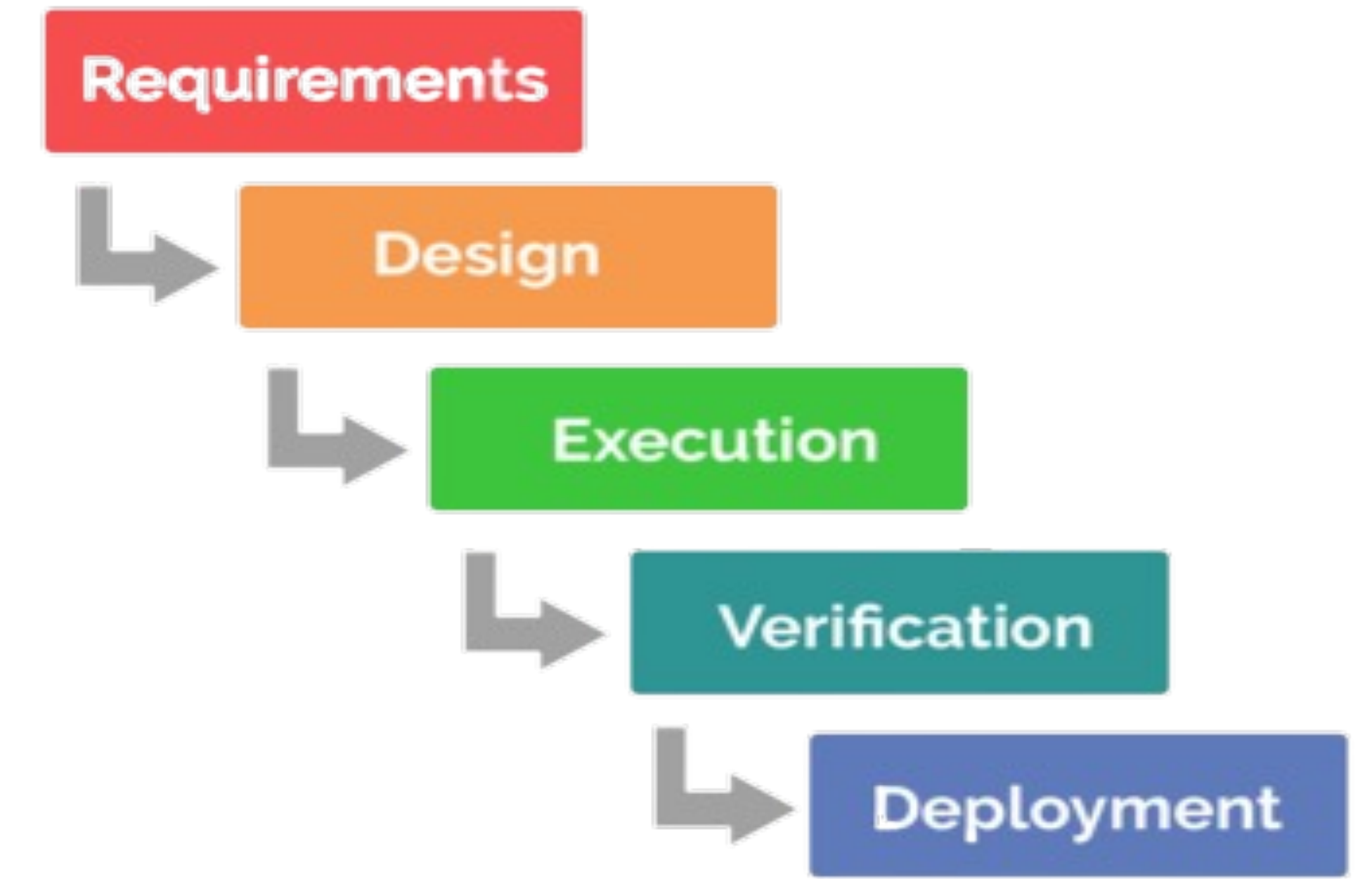


## 02 OBJECTIVES AND GOALS

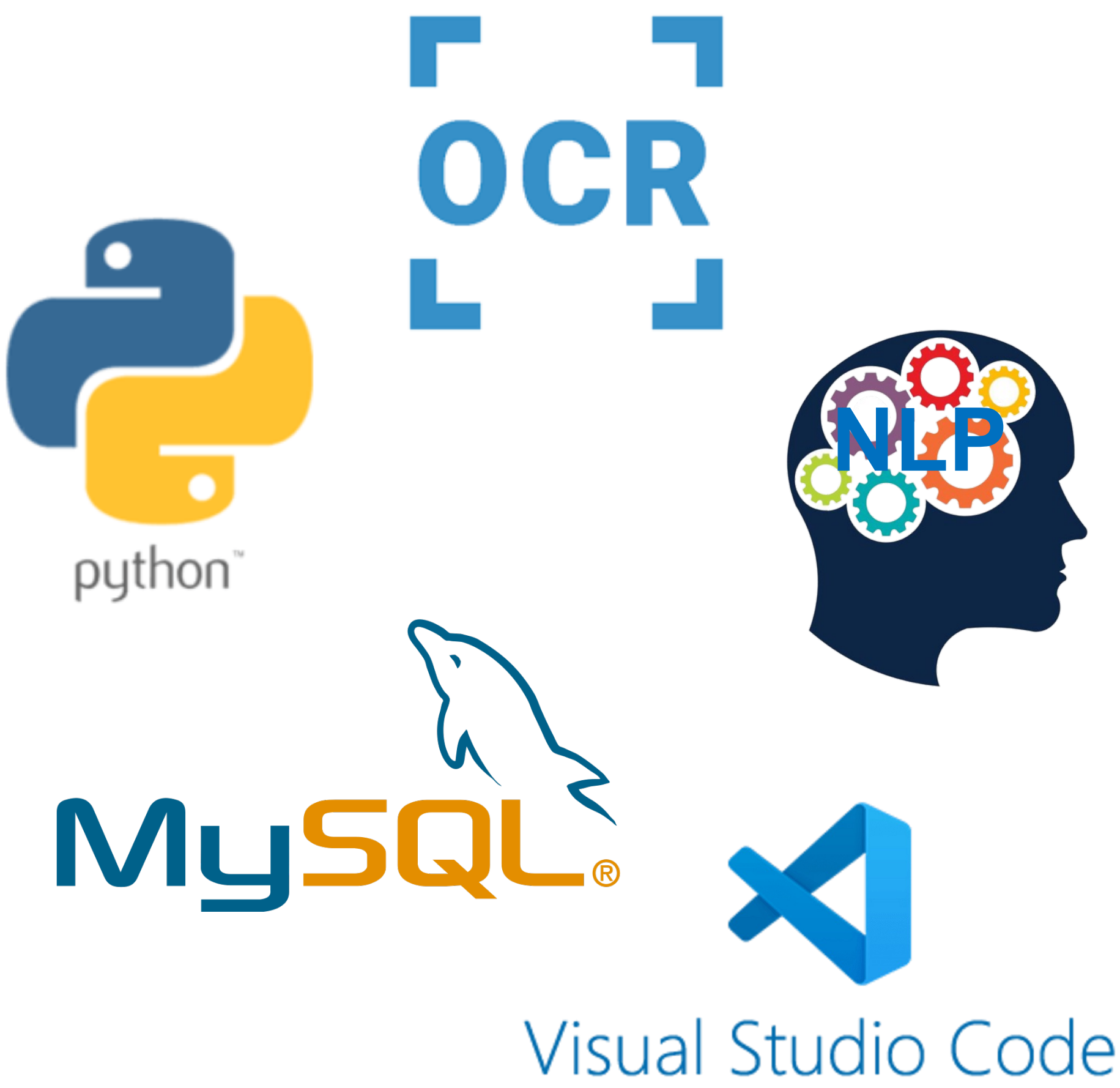
- Providing an easy technical way to facilitate the search for prohibited products
- Increase Muslims' awareness of forbidden food additives to avoid them.
- Helping the user who has food allergies by detecting the unsuitable ingredients in any product in an easy and fast way
- Establishing a method that combines the detection of forbidden food additives and causes of food allergies
- Enable users to search for E-numbers of a specific country
- Analyzing the text on the ingredients and classifying it as HALAL, HARAM, or MUSHBOOH, and if an ingredient causes an allergy to the user.
- Alert the user if an ingredient causes the user to be allergic and mention that ingredient.
- The user can search for E-number/code to get more details about it by selecting a specific country

## 03 METHODOLOGY

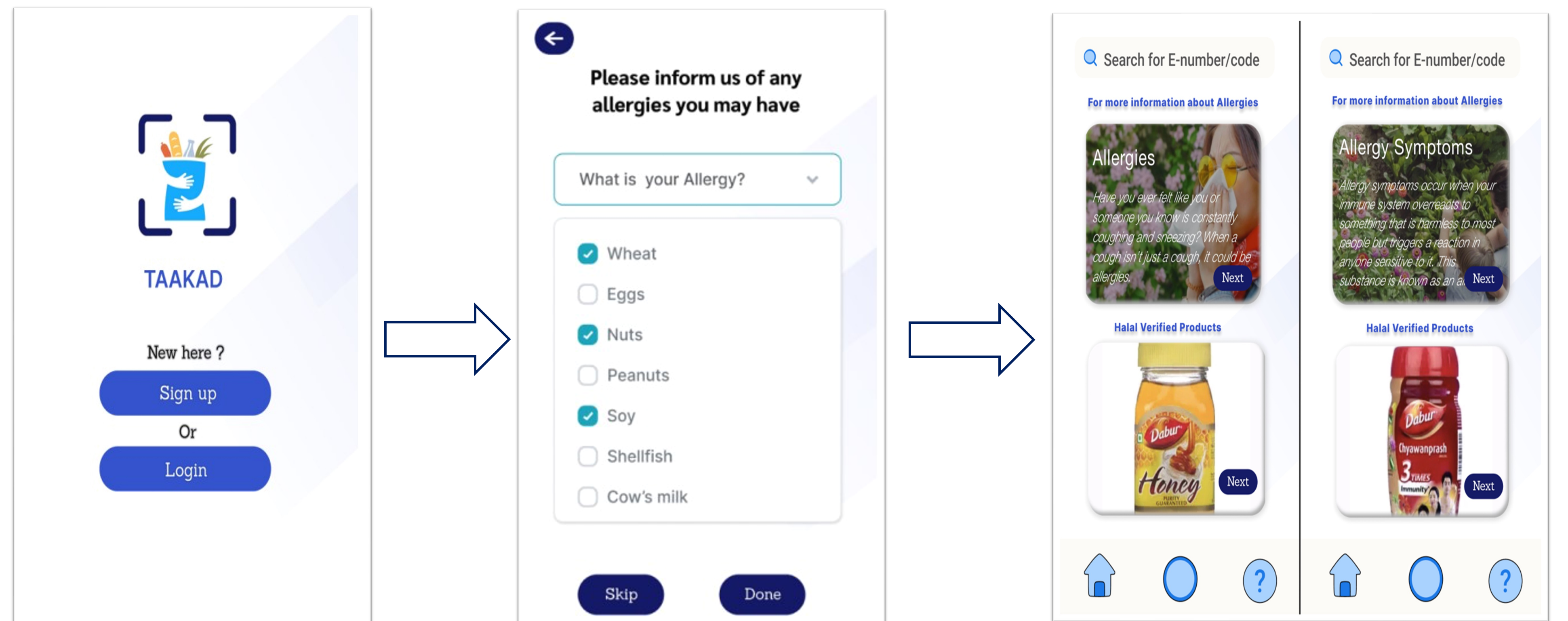
We used to develop this software the waterfall model is a written practical model that divides development processes into phases.



## 04 TECHNOLOGIES/TOOLS USED



## 05 INTERFACES



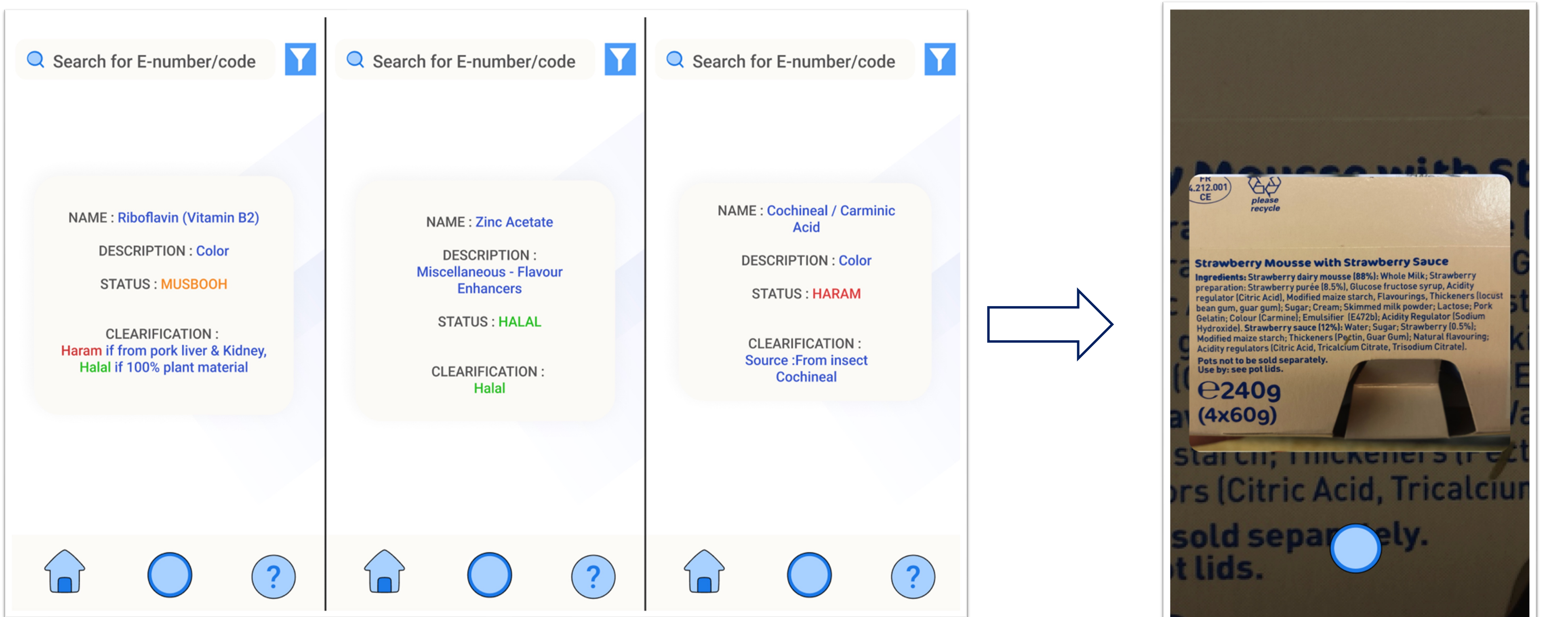
Welcome page

Select Allergies

Home page

## 06 FUTURE WORK/PLANS

- Scan food packaging QR codes to obtain all necessary product information and examine previously scanned products.
- locate nearby HALAL restaurants and groceries.
- Provide alternative items if the existing product contains components that are forbidden.
- Save all the products that users scan to be able to refer to them again or share them.
- Scans the e-codes of the foods.
- Provide more country
- Support several languages.



Search by E-Number

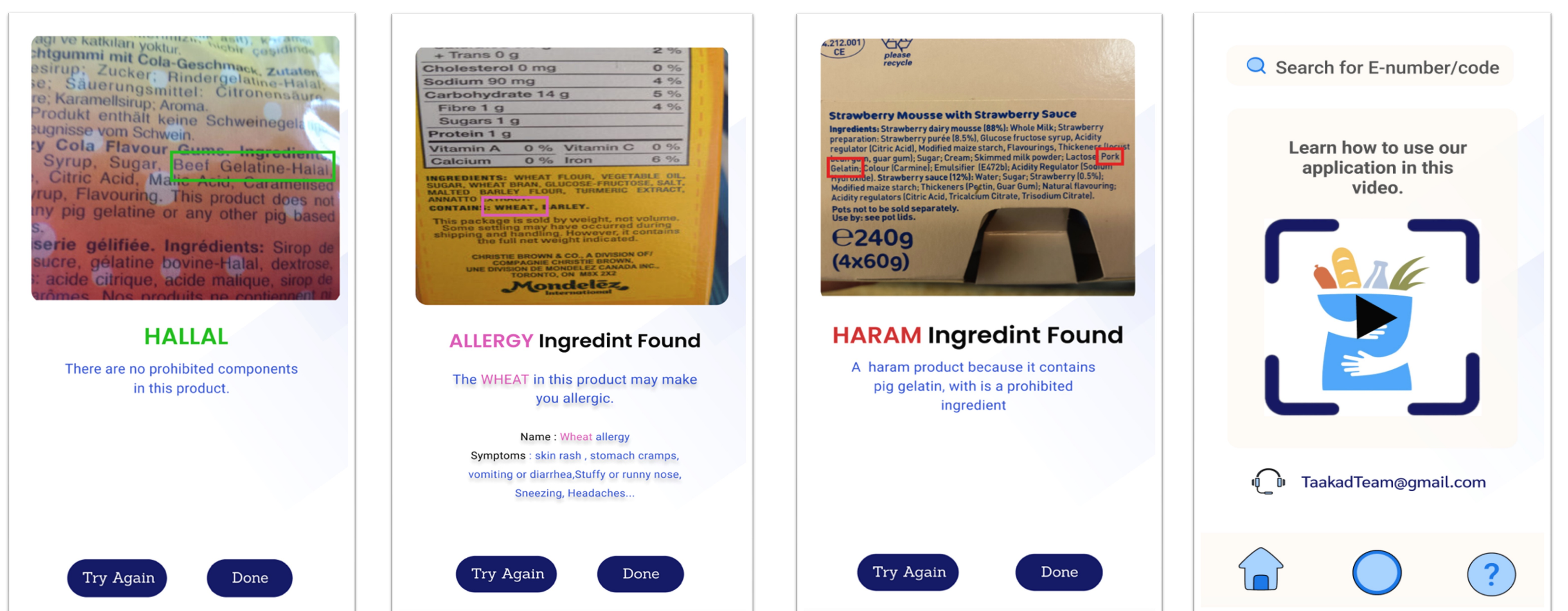
Scan Page



Demo

Presentation

Survey



Halal result

Allergy result

Haram result

Instruction video