Background

## Describe the chosen domain/area (from education, wellbeing, sustainability, hobbies, local businesses, and charities – you can select one of these or combine)

Chosen Domain/Area: Wellbeing

Idea: Shopping Assistant webapp/app

Purpose:

* Address dietary and religious requirements by identifying and alerting users to specific ingredients in products.
* Aid individuals with lower vision in reading the small print on product labels.
* Assist users in making healthier and more informed product choices.
* Convenience in general.

Features:

* Ingredient list reading
* Character recognition to scan and convert text on product labels into readable text.
* Barcode scanner to read the item and display ingredient list using third-party tools.
* Alert:
* User-configurable settings to specify dietary requirements/restrictions.
* Alert the user if a product contains any ingredients outside of requirements.
* Accessibility for lower vision:
* Adjustable font sizes and high-contrast settings.
* Voice-based reading?

*Draft*

In the domain of **Wellbeing**, our group has chosen to focus on the development and implementation of a Shopping Assistant web app. There are three key areas that our solution is intended to help. Firstly, by identifying and alerting users about specific ingredients in products, it allows users to make choices that align with their dietary and religious requirements. Secondly, it helps those who have impaired vision by making it easier for them to see the often-intricate small print on product labels, ensuring their shopping experience remains seamless. Finally, our web app guides users to make healthier and more informed product choices, which eventually helps improve their overall physical and mental wellbeing. In addition to these key functions, it also provides general convenience for users as the web app streamlines the decision-making process.