Specification

The recipe helper application is a web-based application that data is stored on the remote server and runs on a web browser. This application focuses on helping users discover their desired recipe according to their specific needs. It will allow users to filter recipes based on different ingredients including but not limited to calories consumed, nutrition level, preparation time, vegan or vegetarian, etc. Users will be able to store their own recipes and vote other people’s recipes if they like. The graphical user interface is going to be used to allow human interactions by using peripheral devices and click on the icons or pull down the menus. Though graphical user interface will use large amounts of memory, it will not be a problem since most computers are getting very powerful now. For database, a relational database will be used so as to store and provide data points with defined relationships for easy access.

Graphical user interface is more concerned about the aesthetics of the application. We aim to attract more customers and lower bounce rate through our fantastic system design. We will focus more on the colors, line, spacing of the website to appeal to users on a visceral level. Usability is another important factor we will be focused on when building our website. The most important thing for usability is clarity. Our website is designed with simplicity in mind that will not distract users from finding their initial goals. We will provide with necessary information for guidance throughout the whole website and good information architectures. In addition to that, our website will be close to other similar web sites without losing our creativity in order to increase familiarity. More importantly, users will have a consistent experience when browser our web application.

In terms of accessibility, our web application will follow W3C standard to ensure a well accessible website should have. Text alternatives will be offered throughout the whole website for images, audios, or videos. Important information will be conveyed through bold or italic text. We will utilize color contrast so that users will be able to visualize things easier especially benefit people with color blindness. Simple language and focus indicator will be used for selected elements in the web application. All of design will make sure that users will stay more time in our website.