A picture containing fruit, flower

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# Introduction

The following report analyses various aspects of the IT industry and how they relate to group members and their career paths. It outlines each member and their experience, analyses industry data and how it impacts each member, as well as the project idea that will be explored through to Assignment 5.

# Team profile

## Introduction

Meet **RECLAIM**, a group of like-minded students working together to produce an application to motivate and assist individuals to reduce their weekly household waste and get the most out of their weekly spending. The name **RECLAIM** has been chosen because it is memorable and directly relates to our message of making the most of household waste and reclaiming materials that would otherwise be thrown away.

The following section of the report will outline the students involved in producing this project and will compare the test outcomes and ideal jobs identified in Assignment 1. Information has been reviewed based on prior feedback and new learnings within the team.

## Personal Information

**Blair Horgan**  
s3868252

text

**Justin King**  
s3266310

I am 38, born and reside in Brisbane, Queensland. My hobbies include weightlifting, hiking, sports motor bikes, electronics and gardening. I manage the family business manufacturing liquid fertilizers for use in Agriculture. My studies have been in Chemistry and Biology and this is the first experience I have with IT. I have a passion for electronics and robotics which was sparked when I was in primary school and a friend’s father who was an electronics enthusiast showed me how to solder and helped me make my first project, a simple blinking light that I thought was the coolest thing in the world. I have no background in the IT industry however I do have experience with coding in Python and use of Raspberry PI. I hope to move into robotics and AI from here.

**Justine Frost**  
s3862333

text

**Kirby Schwenke**  
s3866528

My name is Kirby Schwenke! I am an Event Coordinator based in Sydney and looking to transition into the IT Industry with a specific interest in UI/UX Design. I have previously completed a Bachelor of Management in Events and Leisure and worked in the event's industry since graduating. I have worked on events from conferences, to music festivals to food festivals. Alongside my studies and work I can be found spending time with my pets, turning my one bedroom apartment into a plant sanctuary, walking my way around Sydney or using my creativity to create anything from a chair to a new planter box.

I was drawn to study in the IT industry as I have always been someone that thrives in an environment that fosters creativity and analytical thinking, and the IT industry presents many opportunities to apply this. In my previous roles, I used drag-and-drop website editors to create event and registration websites and often found myself lost in an internet rabbit hole researching HTML and CSS so that I could alter my websites and make them more dynamic and engaging.

I have also worked with several technologies including, event registration software, project management software and file management software. All of which helped to reduce my mundane tasks, however, often I found gaps where the software did not match the skillset of its users or wasn’t intuitive. This has driven a passion in me for improving the everyday life of people, particularly professionals, creating easy to use software and UI/UX design will allow me to do so. I would love to learn more about how the front-end and back-end of websites interact and more about design principles within the IT industry.

**Stephanie Briggs**  
s3383506

Text

## Team Profile

* Test outcomes for everyone and how this info will be helpful to the group.

## Ideal Jobs

A screenshot of a cell phone

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* A screenshot of a cell phone

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* Comparison of ideal jobs across all group members.
* Para on common elements
* Differences
* Similar or different across the group.

# Group Website

* Link to group website
* Link to repository
* Describe what has been done
* Comments on how the audit trail reflects on group work.

# Industry Data

Text

# IT Work

Text

# IT Technologies



## Clouds, Services and Servers

Text

## Cybersecurity

Text

## Blockchain and Cryptocurrency

Text

## Raspberry Pi’s

Text

# Project Ideas

Upon consideration, the team has decided to move forward with the idea of sustainability in the form of an application. Global warming and the environment is an ongoing discussion being had across the world, with countless suggestions and plans of attack to halt the decline of our world. Our aim is to encourage users to be more mindful about their contributions and do their part in the fight towards it. Bringing easily accessible information and education to everyday people is essential in this goal.

The application has a few features, one would allow the user to input their weekly (optional) grocery lists and purchases, the extent of which is completely up to them. If the user decides that they want assistance in ways that they can reduce food waste, they can input these items accordingly. Alternatively, the user can also input any purchases made on items (food or other house-hold items) that come in packaging for material waste purposes.

The food input side would not be restricted to new purchases, if the user already has items in which they are struggling to find what to do with them, these can be entered as well. In result, users would be getting more of their money’s worth out of their purchases and encouraging zero-waste cooking and consumption, there for reducing their food wastage!

This function would provide users with suggestions which would see them through using the extent of their fresh produce where possible. Whether it be recipes that include use of the individual items and their not always desired elements or suggestions in how to combine products from the inputted list in a collaborative way. Users would have the ability to input the amounts of what they already have from previous weeks that are still of use and get the same information, providing a level of education to the user if they are unaware of what is and is not edible from their fruit and veggies!

For non-perishable items (or ones with a little bit longer of a lifespan) with majority left over or completely un-opened, if the user simply does not want to use or necessarily need this item anymore, using their device location, they would be connected to local food drives and charities where these items could be donated and passed on to people who are in need, thus contributing to reducing food poverty.

Another function of the program allows users to input any purchases made on items that have come in packaging. Whether it be cans/tins, boxes, resealable bags, plastic bottles etc, the user will have the ability to enter the quantity in which the material is in. In return, will be presented with a number of different resources.

* Based on location, connect to local reuse and repurpose facilities or locations where these materials can be taken and passed on for better use or to where these materials are needed.
* DIY ideas and ‘how to’ procedures where the user themselves can repurpose these materials.
* Connect user to ‘Clean Up Australia’ or their state’s government/local council resources to retrieve information on how to properly dispose of these items, so that once your weekly trash night comes, the council can sort and recycle/dispose items correctly.

The application would hold an index of the suggestions/recipes/resources that it connects the user to. Although more efficiently would have the ability to scan the web, similar to a reverse image search, with the use of key/’trigger’ words to return pieces of information that are associated with what is entered.

Also included would be the utilization of the device’s camera software, to scan items and barcodes for retrieval of this information, for more of a time efficient experience. This saves the user from having to manually look up and enter all of their desired inputs. This would not limit packaged items, this function could be used on fresh produce as well, all that would be required would be a quantity.

Another use of this tool would be providing an estimated lifespan of your fresh produce, programming the camera to identify indicators of ripeness or optimal quality– giving you a time frame to use the products before they spoil.

Scanning your package barcodes would also return the user information about materials, and how they need to be broken down for proper disposal.

Further development of this application would see the use of Geolocation/location services on the device in which is being used. Allowing this application to be more usable and accessible to people from all over. Location services would also play a crucial part in implementing a forum where communities can come together and contact and hold discussions, for their every day solutions, advice and ideas. Whether it be to local households or local businesses, it gives individuals an opportunity to be apart of, and connect with their community.

Sustainable packaging is where business are slowly but surely moving towards. RECLAIM could not only be for the common household, but an application that businesses might deem as useful as they make their moves in keeping up to date and relevant to their customers wanting to support sustainable companies. Businesses that do not already use sustainable packaging for their products, could be provided a platform in which they can connect to already sustainable businesses – and where they can access their eco friendly products and initiatives.

House-hold sustainability implies that gardening is involved to some extent, RECLAIM would provide a platform for gardeners and gardening businesses to be of service to communities for where they see fit, for either part of the re use of food elements like planting seeds/propagation, or providing information on how composting and food scrap bins.

The list of things that could feature on this application are endless considering the amount of steps that people can take to live more sustainable lives, but ultimately as long as the resources are accessible to people, they are willing to give it a go.

# Group Reflection

* 200 words from everyone – own perception
* 400 words describing following:
  + What went well
  + What could be improved
  + At least one thing that was surprising
  + One thing you have learned as a group.

# References

# Appendices