Sydney Ramen

By Seigo Miyake

Overview of Sydney Ramen App 1.

Features & How it used

My App is used for the Ramen lovers in Sydney. Price of Ramen in this shop here are little bit more expensive than other Ramen shops. However, the ingredients for all Ramen is made from organic and no MSG. The owner of the Sydney Ramen wants to focus on making good ramen but was having an issue when customers visit him, it was taking lots of his time handling the customers payments by stopping his hands making or serving Ramen to his customers.

He was looking for the web developer who can develop Ramen order system to automate the payment handling so that customer can choose any ramens they want from the application, order it and pay it from an app. This saves lots of time for owner as well as customers. Currently we are encountering the COVID-19 condition and people wants to eat out but do not want to put them on the risk of touching the menu, credit card, cash or some other electronic devices that have been touched by many people.

Overview of Sydney Ramen App 2.

Main Features

This terminal app is allow user to choose from the list of Ramen from the menu. At the moment, it has only 5 choices but it is easy to add another ramens to the list as the CSV file is used to store the type of Ramens and prices. It can be written by Iterator and Hash method but it will be harder to add to the code later.

Then when the user choose the Ramen from the list, It shows you ;

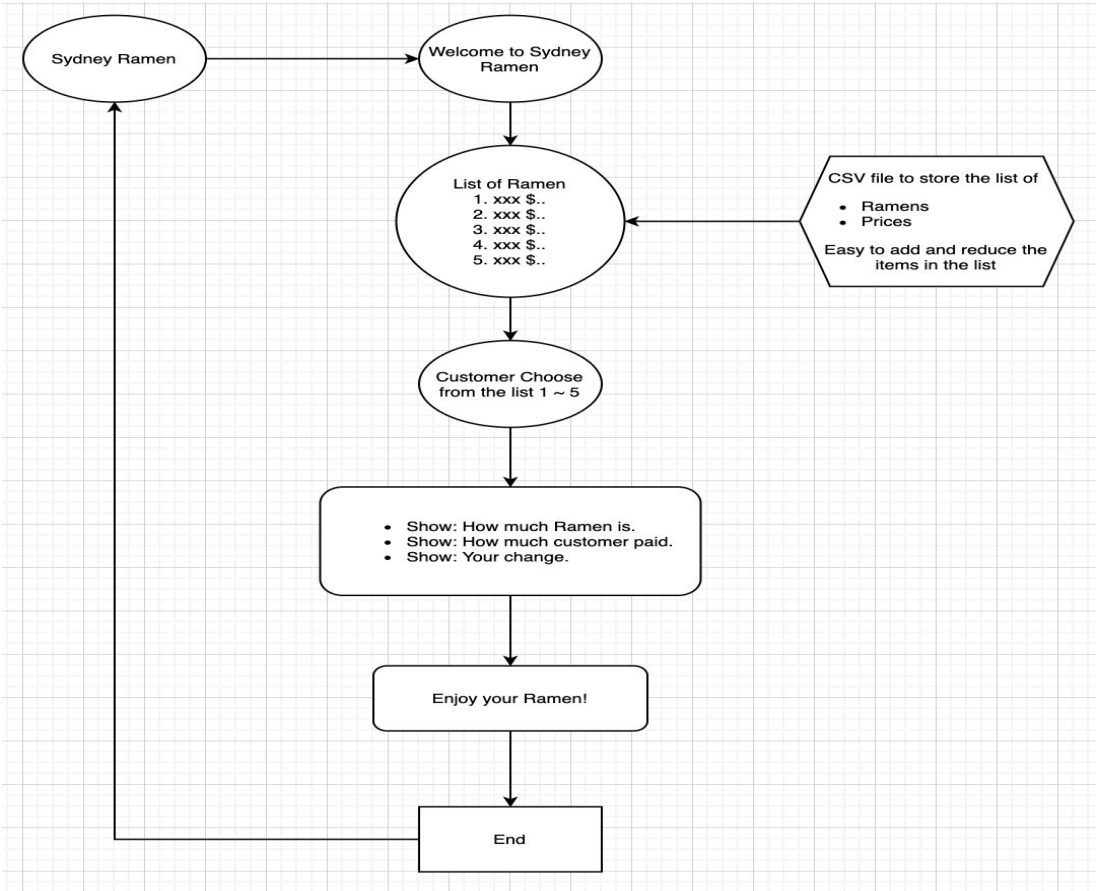
- “What Ramen you have chosen”
- “How much the Ramen is”
- “How much you have paid”
- “How much your change is”

How much you have paid is currently set up for $100 as default but it can be changed to any amount, and it can also be improved for user to input how much to pay.

This app does not have the feature to show the invalid message when user chooses the Ramen that is not in the list. This feature can be improved in the future and it returns to the list of menu.

Overview of Sydney Ramen App 3.

Overall Structure



Overview of Code 1.

Important parts of my code

3 x Classes

- Item Class - it is not hard corded in the ruby file but rather in csv file
- Shop Class - putting the shop products to the shop
- User Class - reflect on the user's action e.g. which ramen is used, etc.

All classes are created with the 3 x different files so it will be easier for other developer to review and what has been done.

CSV file

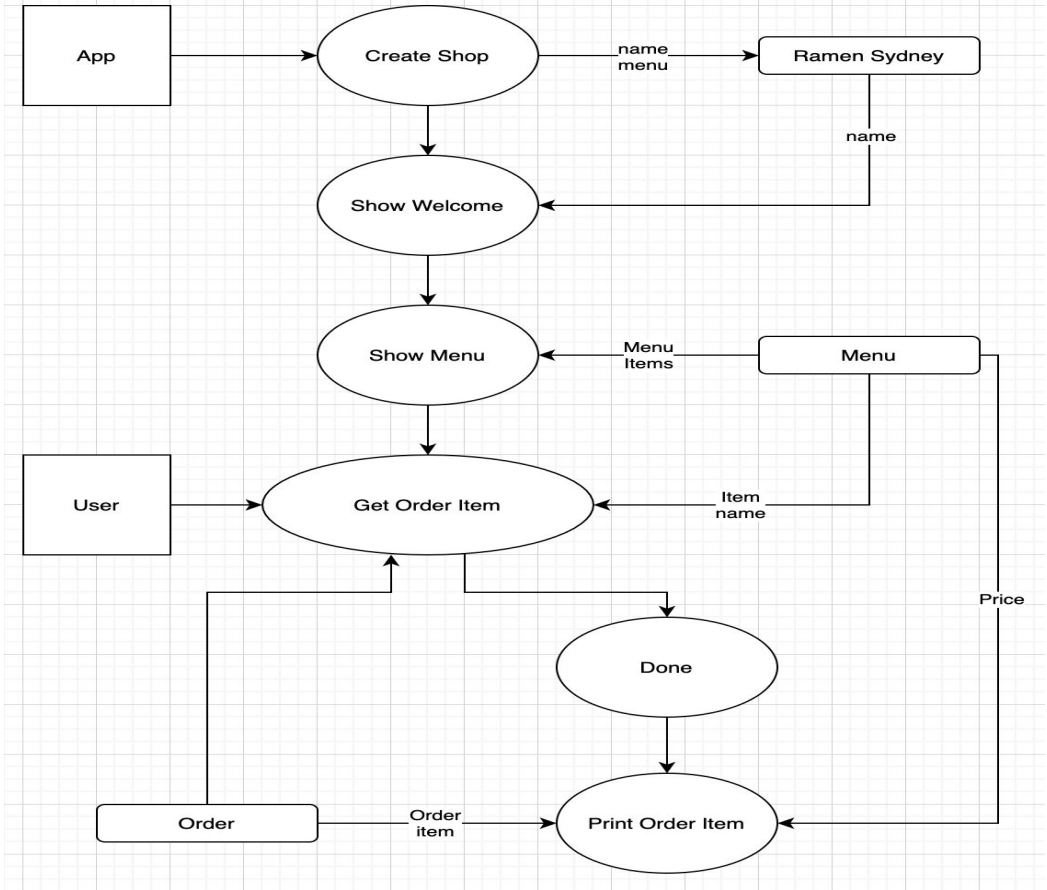
This file makes easier for you to manage data, e.g. if you want to add another ramen and price, you just need to hard cord to csv file.

Gems

- Colorized Gem - changing the color of the text
- Pry Gem - for debugging tool

Overview of Code 2.

logic of my Terminal App and Code (Data Flow Diagram)



Overview of Code 3.

Challenges, Ethical Issues, Favourite parts.

Challenges;

- to use the Class method and
- including the CSV file to extract the datas from CSV.

Ethical issues;

- I will be able to add more feature to this app and collect the data from customers name, contact details, what Ramen is ordered, and what time customer ate the ramen, etc. So that I will be able to help the shop owner to sell more Ramen to the customer and make them repeat coming to the shop or push direct notification to customer mobile, sns, email with coupons to get discount. This activity will be ethical issue because Ramen shop is using the customers personal datas to sell more of the products. The shop needs to have an agreement with customers when they sign in to the app for first time.

Favourite Parts;

- My favourite parts for this app is where you can add, reduce and chage Ramen items and prices so easily as all datas are stored in the CSV file. Whereas if it is written with Iterator and Hash then it will be harder, more complicated code, and not DRY.