Project proposal:

Overview:

This app is a centralized location-based shopping app the looks at the stores in the area and finds the items that each place sells. It would work by looking into a saved data base of locations that each contain a list of items. From there you’d be able to search for items and you’d see the current price and availability for that item.

Purpose:

the point of this app is to make it so that myself and others have an easy way to look at the stores in the area and compare them without the need to look up all of their individual websites or go to each I person.

The reason for this was when I’d go shopping, I would see that an item I just purchased was cheaper at Coles where my gf just purchased what I’d payed more for at the Woolworths. Along with the need to know if an item is in stock as there is uses that can arise from having to travel to somewhere far for a product, only to find it out of stock.

It’s design is it to ultimately save time and money for those who need to save and is targeted to allow people to make choices on their purchasing long before they leave to the store with plenty of time left over to.

Target audience:

The main people that would use this app is those who are needing to save money on items. This would include uni-students, low income families and anyone who is looking to save on their every day shopping.

Creativity:

The way that apps main goal is to be centralized much like you’d use something like the petrol spy app. The ability to have everything in one location and the ability to only need one app for online shopping/ planning shopping lists.

Features:

The app is going to have a list of multiple features that would help it be worth the pricing. Below are the items that would be used to help justify the cost.

* Web crawler for tough websites
* Link to major brands
* Location based ability to search within given radius for all known grocery shops
* User based shopping lists
* Coupons/ discount register
* Api integration where possible
* History of item sale price

Design: TO BE DETERMINED

Data:

Runtime variables:

Permanent storage data:

Api/class structure:

location:

* Physical location
* Hours open
* Name
* Company
* Last updated timestamp

Item:

* ID
* Name
* Description
* Image

Shopping list:

* + Item[]
  + Total cost
  + Savings
  + Coupon[]

User:

* Id
* Name
* Shopping list[]
* History list(item[])

Coupon:

-items

-Amount

External resources required: