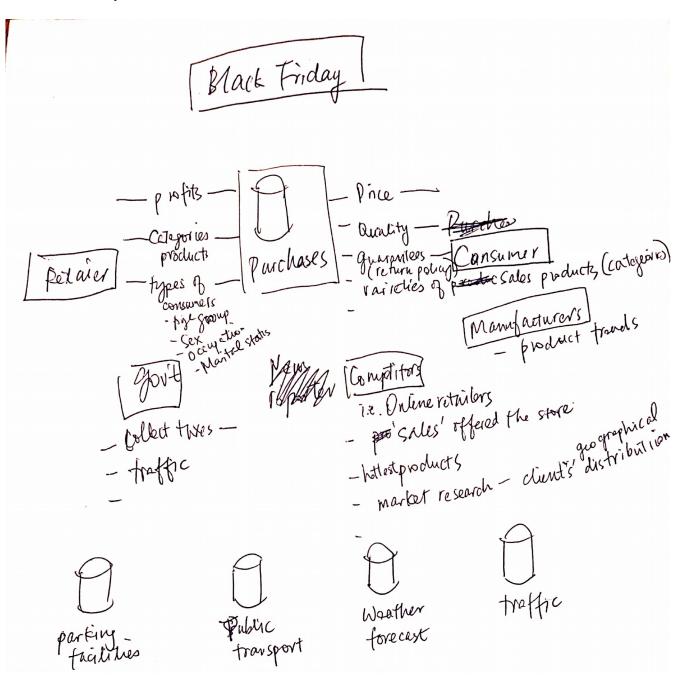
CEBD 1260 - Spring 2019 - Team Project

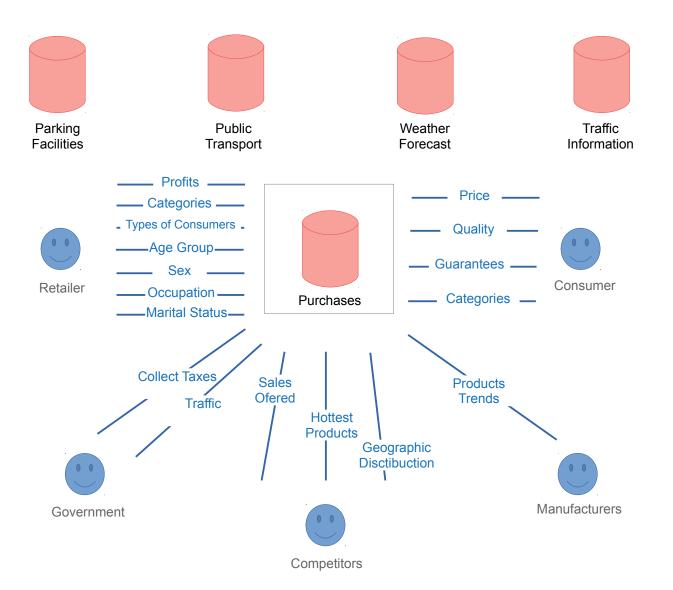
Functional Map, Use Cases and Mockup

Team Members

Ho Tak So (Frank) Ricardo Luis da Costa Rocha

Functional Map





List of Use Cases

Thes - Expected revenues in collected taxes - How profit with int ad a re	table - so	Price if pri wants for inge sales til pr > (rice is no pet too hi demigraphics ex Age group Occupations marital status	Consumers Scottomers Consumers With the hessels best price possible all year whireh store to so to for the local deal fraffic store reputations need is want products accessibition
			(big TV!)

TAXES	0
Expected revenues in collected taxes	
PRODUCTS DETAILS	2
Big ticket items	
Sales products varieties	
Hottest items	
Complementary products	
Manufacturers/Brands	
PRICE	0

If people wait for huge sales until purchase some products	
PROFIT	0
If people wait for huge sales until purchase some products	1
CLIENT DEMOGRAPHICS	2
Sex	,
Age group	
Occupations	
Marital Status	
CONSUMERS	2
Worthy the hassle?	
Best price possible all year?	
Which store to go for the best deal?	
Traffic?	
Store reputations?	
Need vs Want products	
Accessibility (Big TV?)	
STORE	0
Opening Hours	1

Mockup

Data application

To develop the most effective sales strategy for Black Friday sales

Objective

To predict the purchase amount based on sex, age and marital status using regression. As well, to predict the purchase amount for a specific product group per area using classification. Based on the two predictions, we would make recommendations to the retailer as to how to target their sales efforts to their customers in various area.

Audience

- · Procurement department
- Operations / Logistics

Dashboard and Metrics

Descriptive analytics

To show the purchase amount based of sex, age and marital status of customers. Alternately, customer can see the sales distribution for a particular category of product (based on product_id coupled with category1_id) by regions.

Diagnostic analytics

To present to the department manager the profitability and demand of each product category sold by region.

Predictive analytics

To predict the demand of each product category to be sold by region for next year's Black Friday.

Prescriptive analytics

To present the possible product categories (along with its complementary products) which have the highest purchase amount to anticipate demand.

