Course: CS 4523

Semester: Spring 2015

Advisor: Professor Strauss

Project Name: DropCop

“Drop a deal, Cop a deal”

An app to aggregate and generate deals.

Team B12

Team members:

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**Problem Description/Project Motivation**

How many times have you wanted something such as electronics, clothes, and other necessities but couldn’t afford to buy or “cop” it? Every time you search the web for different types of things that serve the same purpose but would be cheaper. Pretty much what I’m saying is you look for some sort of deal. You have to understand you aren’t the only person in the world with this problem, there’s a billion of others. If there is a high demand for something, the general rule is that the supply will come short at some point. Wouldn’t it be better if we got a poll of how many people wanted something specific and talked to the company for you for a better deal. I’m talking about group discounts. The more people we get together that want something, a better deal on the product. Not only that, companies can post deals on this application themselves. Doesn’t it seem like an application that will help people save money, time, and effort do wonders for this world?

In a world where the price of milk has changed from .50 cents to 4 dollars and a snickers bar from .25 cents to 1 dollar, one can realize its hard to save money when the prices of everything are rising quicker than wages are. The internet has grown tremendously in the past years and now its time to take advantage of what it helps us the most with, connecting with one another. From speaking to many numerous people about things they have and they don’t, it’s clear some people can’t afford the stuff they would want or like to have. Not only that, people waste so much time surfing the web for a pair of good headphones, or a good tie, and even shoes for a good deal that in the end they don’t even find.

On a larger scale, everyone in the world is beginning to have access to the internet or own smart phones. We can use this to our advantage, and connect with everyone else who have similar interests in the same product and get a cheaper deal than the original price. As a person, we want the best quality, and for the cheapest price. This will be only one step closer to our goal. For people who live in busy cities, like New York, we don’t have time to waste or any effort. For people who live poor countries or come from a not well settled background, they don’t have money to waste. This will bring everyone together as one and get good deals on products people desire. What if an application can bring together people that have similar interests? What if an application can get you the things you desire or need at a cheaper price? Well the only thing I would say is where is this app, I need to go get or “cop” it.

**Project Purpose and Goal/Proposed**

The general goal/purpose of our project is to build an application that will allow its users to pick things they would like to buy. It will generate polls of specific items that are available in the world and get cheaper and more efficient deals on them. The more people that want an item, the lower its price should be. Not only that, companies and individuals can post about deals they have on certain products. This will help satisfy the three background goals we desire to get. The first being reducing time for searching for products. Since, so much technology is available in the world, people nowadays often shop online and get things shipped to their house in order to reduce time they spent shopping. No only that, they surf the web for specific deals or coupons, and then go back to the site and add the coupon. Our application will be a all in one kind of deal. You add to the poll of an item, and you get the best price that can be offered to you by the company and of course shipped right to your doorstep. The more, the merrier. The idea is that once we get a certain number of votes for a particular item, we contact the vendor to negotiate a better price. For example, we have a hundred people wanted to buy an item, we will try to get a scaled percentage discount. This will not only benefit you but also the company selling the product because you get a discount, and their sale rates go up, hence, adding value to the company.

In addition to, the second being, reducing the human effort. Are you tired of waiting on long lines or going store to store for a particular product but you can’t find it? Well, DropCop will try to fix that. DropCop will do the work for as well as adding to the third goal, saving you money.

**Project Deliverables**

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| **Project Component** | **Due Date** |
| Project Proposal | February 13, 2015 |
| Requirements and Analysis Documentation (RAS) | February 27, 2015 |
| Project Plan (SPMP) | March 6, 2015 |
| Design Description (SDD) - Initial | March 20, 2015 |
| Design Description Final (w/Code) | April 17, 2015 |
| Implementation/Demonstration | April 24, 2015 |
| Formal Oral Presentations | April 24 - May 4 2015 |
| Project Portfolio | Final Week |