**Deal Manthan**

**Project Status Document**

**by**

**CMPE 297**

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**Requirements**

**Deal Manthan**

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The World of commerce today is captured by the e-commerce vendors and giants such as Amazon, eBay, Target, Walmart and many more; where finding a right deal for a desired product is challenging! Either you have to be really lucky or scavenge through all available e-commerce web sites to get a good deal. Although there are many individual vendors who claim that they get you best deal however the user can’t rely on a single vendor claiming the best deal. So the primary requirement here is to find the cheapest product deal the user is looking for across many vendors.

This project uses distributed stream processing through REST services, which will collect the continuous stream of product search results for the specific product item. Furthermore, it crunches the searched data from various vendors and filters it based on the criteria specified by the customer. The goal is to create a user centric system with user engagement analytics. Another motivation behind the project is to monitor user-shopping patterns and search history to provide recommendations based on user searches. So we are planning to offer an optional profiling for the user, where user can register through website or Google Oath.

To fulfill the problem statement, we propose Deal Manthan a web application hosted on cloud, which will search for the cheapest deals from many vendors. Another requirement is to add analytics part for to provide geographical searching patterns of users. This web site will offer rich and interactive user interface for user engagement.

**High Level Architecture:**

