ANDROID BASED APPLICATION TO PROVIDE PLATFORM FOR SMALL SCALE INDUSTRIES

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ABSTRACT

The share of the Android app framework is about 80% of a piece of Indian pie. Now a days most of the number of people are using a high-end cell phone. The purpose after the advent of Android in India has improved cells advertising their reasonable, and low cost. The Internet India’s trade show has seen significant progress in recent years. Be that as it may, the E-business ad is controlled by monsters like Flipkart, Amazon. These categories are used for rooted products / firms and is processed through competent negotiation efforts in general representatives. An Android-based app for category delivery for small paid businesses the effort to provide an easy route for many people in small businesses so combine with a large customer hover and raise them a general sector clip. Businesses and individuals is associated with a different orderly Achar, papad, different edible, articulate, home decors, and so on the next one will benefit the most, as it can connect the most trade show has seen significant progress in recent years.

Keywords: Business Structure, LESK, Apriori.

I. INTRODUCTION

In upcoming days, self-confidence will be the key to contentment. Everyone is trying to be equipped to buy at any time to meet his needs. This app gives every category one of the soft feet needed to expand their business ideas and developing their small businesses. It’s a way of a common stage where people can get used to their new surroundings companies that have a showcase and build a foundation for progress forward.

The idea of our Android application is enabling the client to streamline its business belief systems. In addition, it will help people to find each other city goods and services. This will help children with disseminating information about their business and activities too much profit for it. This application duplicates the file client from the problem of physically informing them new businesses and assure them of the success of their new companies. The main thing that rings the bell when we talk about it. ECommerce is an online business that happens between the provider and the client. While it is possible that the view is correct, rather than clear variables include four Commerce orders remarkable species. All of these types are varied highlights and features.

A. Business-to-Business (B2B)

This type of eCommerce contains all electronics exchanges and transactions identified by sales as well businesses. This is basically directed at the middle organizations also include regular retailers as well manufacturers-owned retailers.

B. Business-to-Consumer (B2C)

Business-to-Consumer Commerce is identified as exchange and communication between organizations and endings clients. This is mainly one with eCommerce sales exchange happening on the web. With web origins,
B2C eCommerce has improved all he considerations. Today, we find dozens of electronic and virtual shopping malls web stores distributing bulk items from PCs.

C. Consumer-to-consumer (C2C)

This includes trading in electronics as well management between two customers. This is for the majority the section is aimed at an outsider who provides in online section to these conversations. Places, where old things are handled, are example of C2C eCommerce.

D. Consumer to Business (C2B)

In this case, a complete overhaul of the travel and purchase process it happens. This is especially true for public support businesses. In this case, people do their own thing or manage and place them in organizations. A few models are recommendations for the organization’s site or logo, free high-quality images, It is very different from Quikr which uses C2Cshow, where the craftsman moves his objects. This application provides the B2C application in the smallest detail businesses. it seems like amazon and flipkart, but this emphasizes more on small scale enterprises, new organizations, and new artists.

II. LITERATURE SURVEY

Sentiment analysis assumes a critical job in BI’s (Business Intelligence) applications which has been clear in the ongoing business sector exercises. Towards feeling examination for the greater part of the well-known sites like Amazon, Facebook, Twitter require the audit of the clients which are utilized as an input. It’s assumes essential job for item audit, Business knowledge just as in basic leadership. The fundamental issue that emerges to the perspective of clients/clients is that, it is for all intents and purposes in-doable to peruse each one of those online surveys one by one, since a portion of the items may have a huge number of audits. In this paper, surveys are gathered from the sources like Amazon, Flipkart, and after that utilized a strategy to consolidate both NLP (Natural Language Processing) and machine learning approach. Word sense disambiguation is likewise considered for this examination. An extemporized leks calculations is utilized for evacuating clamor in the information.

Distinctive sorts of information have diverse kinds of properties and in this manner are suited to various strategies correspondingly. This issue is firmly identified with the expansive scale nature of informal organizations and the need to perform total activities, which results as Pie-Chart. In this manner, we total a large number of surveys into more easy to understand design.

Fig. 2: Sentiment Analysis approach

Fig. 3: Reviews in Graphical Way
Setting mindfulness is progressively picking up pertinence in intuitive omnipresent versatile computing frameworks. Every setting mindful application has its very own arrangement of practices to respond to setting modifications. Thus, every product build need to unmistakably comprehend the objective of the improvement and to sort the setting in the application. We join setting-based changes into the appearance or the conduct of the interface, either at the plan time or at the run time. In this paper, we present application conduct adaption to the setting change by means of a setting-based UI in a versatile application. We are keen on a setting-based UI in a cell phone that is naturally adjusted dependent on the setting data. We utilize the adaption tree, named in our strategy, to speak to the adaption of cell phone UI to different setting data. The setting incorporates the client's area data and dynamic environment changes. Every way in the adaption tree, from the root to the leaf, introduces an adaption rule. A web-based business application is picked to delineate our methodology. This versatile application was produced dependent on the adaption tree in the Android stage. The programmed adaption to the setting data has improved human-PC associations. Sites like Amazon, Flipkart utilize the suggestion framework for helping the client just as expanding benefit margin. Recommendation framework helps the client in picking the most appropriate item from a gigantic pool of items. Utilizing proposal framework can likewise build the clearance of an item that is connected or can be sold together with an item which has a higher deal. Accordingly, legitimate utilization of suggestion framework can prompt both business development and consumer loyalty.

Fig. 4: Recommendation System of Flipkart

III. MODELLING AND ANALYSIS

A. Proposed Architecture

Fig. 5: System Architecture of Proposed System
A client needs to purchase new pieces of clothing on the web to go to a wedding in 4-5 weeks. She looks through a particular retailer on the web. The retailer offers the stock both on the web and in retail locations in the shopping center. The retailer additionally keeps up new fashioner garments for unique events. This outlines the stream of this run of the mill situation for the advanced change of the retailer’s business empowered by cloud.

The client peruses data about the required piece of clothing utilizing a cell phone. She discovers that there will be another plan of the piece of clothing accessible in about fourteen days. The client enrolls on the site to get data about the accessibility of the new plan. The client’s essence on explicit versatile pages and inclinations entered as a major aspect of the enlistment procedure are caught through the trade investigation and advertising segments. A couple of days after the fact, the retailer presents the new structure in their item index. The item is propelled through a showcasing effort on different channels, including an e-crusade. The refreshed internet business indexes are accessible through different channels. The client gets an email from the retailer about the new piece of clothing plan. The client opens the email and taps on a connection to become familiar with the item. Computerized encounter segments, for example, advanced informing, are utilized to lock in the client.

In view of the client profile, three distinct varieties of the item are appeared on the site. At the point when the client shows up on the site, advertising dynamic inclinations can be rendered utilizing the client’s inclinations (caught in stages 1 and 3).

The client utilizes an uncommon advancement offered to her as a favored client. This depends on the past buys and request catch segment of the web-based business applications.

The retailer puts in her request (installment prep3aring happens) utilizing the web-based business applications. The particular client arranges catch data is sent to circulated arrange the executives.

The retailer satisfies the request, ships it to the client, and sends an email to the client with following data. Production network the board is called by circulated arrange the executives to satisfy the caught request. The retailer likewise checks the stock so as to renew from their agreement provider by utilizing the stockroom the board. The retailer conveys fitting buy orders, outsource demands, and administration asks for, and gets shipment notification, affirmations, and solicitations. The production network and coordination’s the board segments empower these means. Data acquired from social examination (counting an overview from this client) recommends that the new structure of the item is more well-known than the first plan. The trade examination subcomponents social business and assumption investigation are utilized for this reason. Data acquired from social examination is passed to stock for further investigation and advancement. The promoting is balanced dependent on criticism from trade examination and distribution center administration.

B. Algorithms

1) Apriori Algorithm

The apriori standard can reduce the quantity of item sets we have to inspect. Put basically, the apriori guideline expresses that

If an itemset is infrequent, then all its supersets must also be infrequent. This implies if \{beer\} was observed to be rare, we can expect \{beer, pizza\} to be similarly or much progressively rare. So, in merging the rundown of prominent item sets, we require not consider \{beer, pizza\}, nor some other itemset arrangement that contains beer. Utilizing the apriori rule, the quantity of item sets that must be inspected can be pruned, and the rundown of well-known item sets can be acquired in these means:

- Stage 0. Begin with item sets containing only a solitary thing, for example, \{apple\} and \{pear\}.
- Stage 1. Decide the help for item sets. Keep the item sets that meet your base help edge, and evacuate item sets that don’t.
- Stage 2. Utilizing the item sets you have kept from Step 1, create all the conceivable itemset arrangements.
- Stage 3. Rehash Steps 1 and 2 until there are not any newer item sets.
2) Lesk Algorithm

The Lesk count is a set up estimation for word sense disambiguation displayed by Michael E. Lesk in 1986. In Simplified Lesk figuring, the correct noteworthiness of each word in a given setting is settled autonomously by finding the inclination that covers the most between its dictionary definition and the given setting.

As opposed to at the same time deciding the implications of all words in a given setting, this methodology handles each word separately, autonomous of the significance of alternate words happening in a similar setting. function SIMPLIFIED LESK (word, sentence) returns best sense of word

best-sense <- most frequent sense for word
max-overlap <- 0
context <- set of words in sentence
for each sense in senses of word do
    signature <- set of words in the gloss and examples of sense
    overlap <- COMPUTEOVERLAP (signature, context)
    if overlap > max-overlap then
        max-overlap <- overlap
        best-sense <- sense
    end return (best-sense)

The COMPUTEOVERLAP function returns the number of words in common between two sets, ignoring function words or other words on a stop list.

3) Conjunction Method

This strategy naturally grows etymological assets for supposition mining. This technique considers an investigation of abstract corpora that gather phonetic highlights which consider the examination hypothesis of a notion include. Combination between at least two modifiers gives an aberrant data in regards to audits, this examination got from a speculation that "combination for the most part has same in nature, with the assistance of that they can without much of a stretch discover closeness and distinction in the given combination".

The system finds and utilized the indirect information with the below steps:

1) Step 1: Find all conjunction of an adjective that are taken or extract from the given reviews and find relevant morphological relations.
2) Step 2: Apply loglinear regression model which combines needed information from conjunction.
3) Step 3: After collecting all the relevant information from conjunction find out which word has the similar and relative meaning in a particular sense.
4) Step 4: Result in the form of a graph.
5) Step 5: Rehash iteratively all means.

Taking decisions on individual words (whether they are positive or negative in nature) and the aggregated words to provide decisions of which group belongs to a particular class. Thus, the overall result is more accurate and non-redundant.

C. Results

![Image of Navigation Drawer]

**Fig. 7: Navigation Drawer**

![Image of Empty Cart]

**Fig. 8: Empty Cart**

![Image of Product Details]

**Fig. 9: Product Details**
**IV. CONCLUSION**

The main objective of this study was to how to design an effective application that helps users about online product, items and any other item that are being sold or for selling one-commerce sites. And also, how to make user friendly interface for illiterate users. This study has led us to devise the way so that we can create recommendation system using review analysis and apriori algorithm. It will assist buyers to buy good quality of product. Several techniques like localization and context-based user-based interface design to create UI that helps illiterate users.

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