

Decision Support and Data Mining for Priority Based Donation System

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ABSTRACT

Data mining has attracted an excellent deal of attention within the info business, as a result of the wide handiness of huge amounts information and to the upcoming want for turning such data into helpful information and knowledge. Data processing techniques square measure explored for economical processing of a massive quantity of data within the information tables and on-line net application known as Donation System has been developed. By exploitation data processing techniques and algorithmic program, Target choice is a crucial data processing drawback that many modeling techniques are used. The system integrates Priority primarily based job programming algorithmic program and KNN Search algorithmic program. This propose system is principally used for Donation system during which user update list of things with image and space for donation purpose to assist impoverished individuals. Requester conjointly seek for things for his or her use and send the request to administrator .Admistration department checks the genuineness of requester and send to owner of things then in step with priority item can give to impoverished. The platform directly target to owner and requester for donation purpose. This can be however we have a tendency to use AN unuseful item. And that we unbroken the worth of item by donating.

Keywords- data mining, artificial neural network, decision making, Intelligent Transport Systems (ITS)

I.INTRODUCTION

The most contribution of this paper is on the look intelligence of the Student-Trade internet application. The target is to assist the user to make your mind up on the price of the sale item. Additionally, the net application may also have options of a recommender system. That is, the mercantilism system would even have the intelligence of recommending things or merchandise to a possible emptor given his previous purchase patterns. The choice web is embedded with a hybrid neighborhood search algorithmic rule, with stress on resolution a price-recommendation drawback during a real-world web mercantilism platform. The answer to the worth recommendation Problem would need techniques from decision-support systems further as data-mining on a info of used things already listed or presently offered. User's ar usually two-faced with the matter of knowledge overload. Yet, users got to create choices so as to proceed with their hunt for data/information or process of knowledge. Samples of web applications embody the advice of shopper things like books, music albums, movies, menage and electronic merchandise. Recommendation of services includes news, restaurants, hotels,

spa shops, etc. within the field of Intelligent Transport Systems (ITS), recommendation of travel route AN exceedingly in a very vehicle navigation system is an example of ITS recommender system. In, a fuzzy neural network was wont to advocate personalized travel route with concerns that embody period, travel distance, toll charges, etc. A user must specify his preference, and recommendation on routes would incline. One specific feature is that the system may be created adjustive to the user. On a call web embedded with a hybrid neighborhood search algorithmic rule, with stress on resolution a price-recommendation drawback during a real-world web mercantilism platform. The platform is targeted for direct consumer-to-consumer mercantilism among university students. An internet web application has been developed and things for mercantilism embody books, home items, physical science, housing rental, sporting goods and tutoring services. The net application style must be fashionable, fast, and really easy to use.

One way of approaching the bundling of products with donations to charity is to view it as a method of offering consumers two distinct positive outcomes for one price. Acquiring the product provides a gain to the consumer, while the donation to charity offers an additional gain that consists of the good feelings generated from knowing that one is helping a worthy cause. In contrast to other types of incentives, such as discounts and rebates, which types of incentives, such as discounts and rebates, which which offer the utility of receiving something extra, charity incentives offer a more selfless utility that comes from giving to others.

Previous research on the evaluation of multiple outcomes has suggested that when multiple gains are of a similar nature, individuals will derive more pleasure from segregation than from integration temporal segregation by a significant proportion of the subjects, suggesting that the total value of the two positive outcomes could be increased by bundling them together.

Job scheduling policies are broadly classified as sender-initiated, receiver-initiated and symmetrically initiated . An algorithm is sender initiated if the node at which a job has arrived determines as to where the arrived job is to be transferred. In a receiver-initiated algorithm, a receiver or the target node determines from which sender it will receive a job for execution at its end. In a symmetric policy, both receiver and the sender try to locate each other.

KNN can be used for both classification and regression predictive problems. However, it is more widely used in classification problems in the industry. To evaluate any technique we generally look at 3 important aspects: Ease to interpret output, Calculation time, Predictive Power. KNN algorithm is one of the simplest classification algorithm. Even with such simplicity, it can give highly competitive results. KNN algorithm can also be used for regression problems. The only difference from the discussed methodology will be using averages of nearest neighbors rather than voting from nearest neighbors.

II. LITERATURE SURVEY

According to literature survey after studying various IEEE paper, collected some related papers and documents some of the point describe here:

1. A Personalized Product Based Recommendation System Using Web Usage Mining and Semantic Web

Author: Sneha Y. S, G Mahadevan, and Madhura Prakash

Description: To be globally competent and competitive a successful presence on the net is important to sustain and retain itself within the market. The web is a noteworthy space for information mining owing to abundance of data. net users exhibit a variety of direction interests through clicking a sequence of sites. Analysis of this information can result in discover several interesting patterns and facilitate users to find additional preferable sites. Advanced mining processes are required for this data to be extracted, understood and used. Web Usage Mining (WUM) systems are specifically designed to hold out this task by analyzing the information| representing usage data about a specific computer. The linguistics info of the Web page contents is mostly not enclosed in net usage mining. On-line recommendation and prediction is one among the web usage mining applications. During this paper we tend to gift architecture for integration linguistics info regarding the products with diary information and generate an inventory of suggest products by victimization LCS formula.

2. Towards the Next Generation of Recommender Systems: A Survey of the State-of-the-Art and Possible Extensions

Authors: Gediminas Adomavicius and Alexander Tuzhilin

Description: The paper presents a summary of the sector of recommender systems and describes this generation of advice strategies that square measure sometimes classified into the subsequent 3 main categories: content-based, cooperative, and hybrid recommendation approaches. The paper conjointly describes numerous limitations of current recommendation strategies and discusses attainable extensions that can improve recommendation capabilities and create recommender systems applicable to an excellent broader range of applications. These extensions embody, among others, improvement of understanding of users and items, incorporation of the discourse info into the advice method, support for Multi-criteria ratings, and provision of additional versatile and fewer intrusive kinds of recommendations.

3. Variable Neighborhood Search

Authors: Pierre Hansen, Nenad Mladenovic

Description: Variable neighborhood search is a metaheuristic for determination combinatorial and world optimization issues. VNS can be used for systematic amendment of neighborhood within a neighborhood search. during this survey paper we have a tendency to gift basic rules of VNS and a few of its extensions. Applications square measure shortly summarized. They comprise heuristic answer of a variety of optimization issues, ways that to accelerate actual algorithms and to investigate heuristic solution processes, also as computer-assisted discovery of conjectures in graph theory.

4. An Open Architecture for Collaborative Filtering of Netnews

Author: Paul Resnick, Neophytos Iacovou, Mitesh Suchak, Peter Bergstrom, John Ried

Description: Collaborative filters facilitate folks build selections supported the opinions of others. Group Lens could be a system for collaborative filtering of netnews, to assist folks notice articles they'll like within the vast stream of accessible articles. News reader shoppers show foreseen scores and make it simple for users to rate articles when they scan them. Rating servers, known as higher Bit Bureaus, gather and disseminate the ratings. The rating servers predict scores based on the heuristic that individual World Health Organization in agreement within the past will most likely agree once more. Users will defend their privacy by getting into ratings beneath

pseudonyms, while not reducing the effectiveness of the score prediction. The complete design is open: different code for news shoppers and higher Bit Bureaus is developed severally and may interoperate with the parts we've got developed,

III. PROPOSED SYSTEM

Something very disturbing is happening in a number of developing countries, and what makes it so troubling is that it is being done under the auspices of charity. Donated used items have long been a way for people to get rid of their unwanted items and other household items, giving them to someone who needs them more. It will make you feel rich by donating used clothes to a shelter, new shoes to foster kids, or money to a worthy organization . Propose system is mainly focused only donator and genuine requester which provide web platform for donation system.

IV. SYSTEM DESIGN

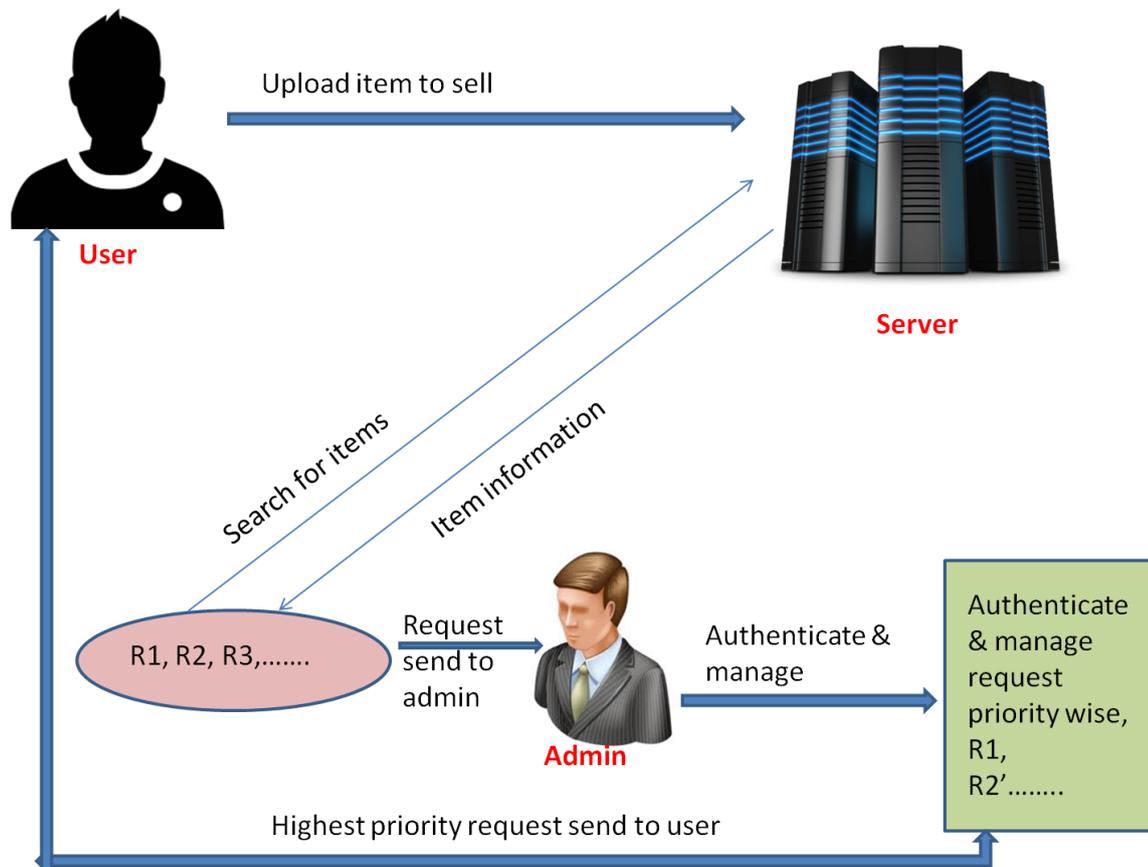


Figure : System Architecture for proposed system

The above figure depicts the architecture of our system. The components of our system are as follows:

Admin : Admin is one the important component of our system. Admin will be responsible for providing authentication to the user. He will be the one who will witness the whole encryption process in secure mode of encryption. All the functions related to modification, authentication, registration and login will be performed by the admin solely.

SQL Server : SQL Server is an open-source application server project. It is for the Java EE platform which is started by Sun microsystem. Now sponsored by Oracle Corporation. SQL Server is the reference implementation of Java EE and as such supports Enterprise JavaBeans, JPA, Java Server Faces, JMS, RMI, Java Server Pages, servlets, etc. This allows us to create unique enterprise applications. These applications are portable and scalable which can integrate with legacy technologies.

Web services: All the web services related to the SQL Server server will be included in our implementation of the project. Services are like developing of web page.

Network: Here network is cloud network. Cloud networking is a new networking paradigm for building and managing secure private networks over the public Internet by utilizing global cloud computing infrastructure. In cloud networking, traditional network functions and services which includes connectivity, security, management and control, are pushed to the cloud and delivered as a service.

Database (DB): In our system, database will store all the information related to registration, authentication and modification. It is an important part of the architecture as the first process that is login starts with the database.

V. ADVANTAGES

- System used for donate item to genuine people, keep record of data.
- The aim is to provide a pleasant trading experience for the user.
- To develop a robust and fast algorithm to deal with an online user request for selling price recommendation.
- To obtain a fair comparison of its performance.

VI. CONCLUSION

Using projected System, many folks will facilitate WHO is affably wanted some instrument or things that aren't reasonable for them to buy. It additionally facilitates physically challenge individuals to induce help from society. In propose supervisor evidence real those that is required for item and set Priority for providing facilitate to them. There square measure countless nice charities you'll be able to present to. And you'll be able to get entangled in active facilitate through those charities. Applying projected system in real word we are able to facilitate our society and lift awareness of donation campaign.

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