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C4.5 QUERY BASED SEARCH OVER DATABASE

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Abstract: Per-set keyword's search is an intuitive paradigm for searching linked data sources on the web. We propose to route keywords only to relevant sources to reduce the high cost of processing Pre-set search queries over all sources. We propose a novel method for computing top-k routing plans based on their potentials to contain results for a given Pre-set query. We employ a keyword-element relationship summary that compactly represents relationships between pre-set keywords and the data elements mentioning them. A multilevel scoring mechanism is proposed for computing the relevance of routing plans based on scores at the level of keywords, data elements, element sets, and sub graphs that connect these elements. Experiments carried out using 150 publicly available sources on the web. That valid plan (precision@1 of 0.92) that are highly relevant (mean reciprocal rank of 0.89) can be computed in 1 second on average on a single PC. Further, we show routing greatly helps to improve the performance of Pre-set Keyword search, without compromising its result quality.

Keywords: Pre-set keyword, Data element, Top-k algorithm, Searching linked data source, C4.5query, Rank aggregation.

I.INTRODUCTION

The paper concerns with the intermediate server development methodology we use c4.5 algorithm for setting pre-set keyword order. This standard provides assurance for the designed information technology (IT) product or system. Assurance means that the product or system meets its objectives. In other words, it means that the implemented measures will be able to counter threats when they occur. The sources of assurance are the rigor applied during development and manufacturing processes, independent third-party evaluations as well as operation and maintenance according to the obtained certificate. These specially developed and evaluated IT products (hardware, software, firmware) and systems can be applied in a higher risk environment. The C4.5 methodology has been used only in recent years. In this paper we are reducing the work load of user and organization. By using intermediate server resume validation process done in easy and efficient way. Nowdaysmany organization getting resume of the candidates through consultant services.In Existing System, third party provider for process all given keyword's So they take favor for income. We propose to route keywords only to relevant sources to reduce the high cost of processing keyword search queries over all sources. We propose a novel method for computing C4.5 routing plans based on their potentials to contain results for a given Pre-set query. We employ a keyword-element relationship summary that compactly represents relationships between keywords and the data elements mentioning them. A multilevel scoring mechanism plans based on scores at the level of keywords, data elements, element sets, and sub graphs that connect these elements. Based on modeling the search space as a multilevel inter-relationship graph, we proposed a summary model that groups keyword and element relationships at the level of sets, and developed a multilevel ranking scheme to incorporate relevance at different dimensions.

II.LITERATURE SURVEY

Mining and summarizing customer reviews
Minqing Hu and Bing Liu

Merchants selling products on the Web often ask their customers to review the products that they have purchased and the associated services. As e-commerce is becoming more and more popular, the number of customer reviews that a product receives grows rapidly. For a popular product, the number of reviews can be in hundreds or even thousands. This makes it difficult for a potential customer to read them to make an informed decision on whether to purchase the product. It also makes it difficult for the manufacturer of the product to keep track and to manage customer opinions. For the manufacturer, there are additional difficulties because many merchant sites may sell the same product and the manufacturer normally produces many kinds of products. In this research, we aim to mine and to summarize all the customer reviews of a product. This summarization task is different from traditional text summarization because we only mine the features of the product on which the customers have expressed their opinions and whether the opinions are positive or negative. We do not summarize the reviews by selecting a subset or rewrite some of the original sentences from the reviews to capture the main points as in the classic text summarization. Our task is performed in three steps: (1) mining product features that have been commented on by customers; (2) identifying opinion sentences in each review and deciding whether each opinion sentence is positive or

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negative; (3) summarizing the results. This paper proposes several novel techniques to perform these tasks. Our experimental results using reviews of a number of products sold online demonstrate the effectiveness of the techniques

Cross-domain co extraction of sentiment and topic lexicons
Fangtao Li, SinnoJialin Pan, OuJin, QiangYangandXiaoyan Zhu

Extracting sentiment and topic lexicons is important for opinion mining. Previous workshave showed that supervised learning methods are superior for this task. However, the performance of supervised methods highly relies on manually labeled training data. In this paper, we propose a domain adaptation framework for sentiment- and topic- lexicon co-extraction in a domain of interest where we do not re- quire any labeled data, but have lots of labeled data in another related domain. The frame- work is twofold. In the first step, we generate a few high-confidence sentiment and topic seeds in the target domain. In the second step, we propose a novel Relational Adaptive bootstrapping (RAP) algorithm to expand the seeds in the target domain by exploiting the labeled source domain data and the relationships between topic and sentiment words. Experimental results show that our domain adaptation framework can extract precise lexicons in the target domain without any annotation.

Mining opinion features in customer reviews
Minqing Hu and Bing Liu
It is a common practice that merchants selling products on the Web ask their customers to review the products and associated services. As e-commerce is becoming more and more popular, the number of customer reviews that a \ product receives grows rapidly. For a popular product, the number of reviews can be in hundreds. This makes it difficult for a potential customer to read them in order to make a decision on whether to buy the product. In this project, we aim to summarize all the customer reviews of a product. This summarization task is different from traditional text summarization because we are only interested in the specific features of the product that customers have opinions on a nd also whether the opinions are positive or negative. We do not summarize the reviews by selecting or rewriting a subset of the original sentences from the reviews to capture their main points as in the classic text summarization. In thispaper, we only focus on mining opinion/product features that the reviewers have commented on. A number of techniques are presented to mine such features. Our experimental results show that these techniques are highly effective.

Extracting and ranking product features in opinion documents
Lei Zhang, Bing Liu, Suk Hwan Lim, Eamonn O'Brien-Strain

An important task of opinion mining is to extract people's opinions on features of an entity. For example, the sentence, " I love the GPS function of Motorola Droid" expresses a positive opinion on the " GPS function " of the Motorola phone. " GPS function " is the feature. This paper focuses on mining features. Double propagation is a state-of-the-art technique for solving the problem. It works well for medium-size corpora. However, for large and small corpora, it can result in low precision and low re-call. To deal with these two problems, two improvements based on part-whole and " no " patterns are introduced to in- crease the recall. Then feature ranking is applied to the extracted feature candidates to improve the precision of the top-ranked candidates. We rank feature candidates by feature importance which is determined by two factors: feature relevance and feature frequency. The problem is formulated as a bipartite graph and the well-known web page ranking algorithm HITS is used to find important features and rank them high. Experiments on diverse real-life datasets show promising results.

III.EXISITING SYSTEM

In Existing System ,There are third party provider for process all given keyword's, they analysis all keyword's and take own decision making before send to actual server. So they take favor for income. Existing work can be categorized into two main categories: There are schema-based approaches implemented on top of off-the-shelf databases. A keyword query is processed by mapping keywords to elements of the database (called keyword elements).Then, using the schema, valid join sequences are derived, which are then employed to join ("connect") the computed keyword elements to form so-called candidate networks representing possible results to the pre-set keyword query. Schema-agnostic approaches operate directly on the data. Structured results are computed by exploring the underlying data graph.

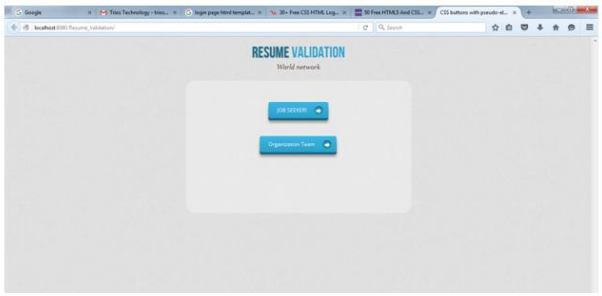
IV.PROPOSED SYSTEM

In this paper we introduce the new system for validating the resume. Our project consist of three parties. First party is user, Second party is intermediate server and the third party is organization. In this project, the job seeker resume is directly send to the organization portal via intermediate server. Here job seeker resume is referred as data element and organization criteria is referred as pre-set keyword.

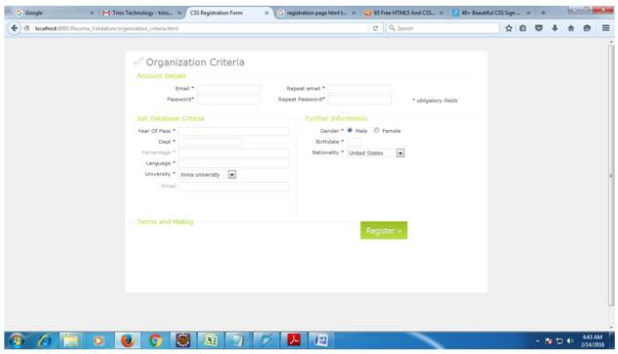
The resume validation process happens as follows, the organization will set the criteria and which is stored in a database, whenever job seeker has upload their resume based on the criteria set by the organization it will be send to the company portal. Incase the resume does not matches the organization criteria, it will be filter automatically. Here the comparison and filtering process is done via intermediate server. We use two types of algorithm. One is C4.5 algorithm for setting the criteria and other one is Rank aggregation algorithm for prioritorise the resume of the user based on the experience. The acknowledgment mail will be automatically send to the users mail id whose resume is selected based on the organization criteria.

ADMINISTRATOR:

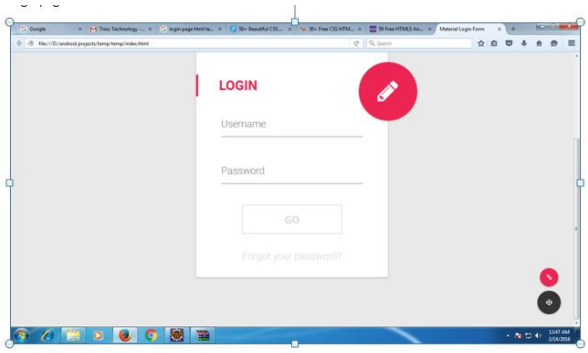
Welcome page:



ORGANIZATION CRITERIA



LOGIN PAGE



V. CONCLUSION

In our project resume validation is done easily and efficiently .By proposing our project there is no need for any consultancy service. The resume will be automatically send to the organization portal via intermediate server and acknowledgment mail will be send to the users mail id whose resume matches to the company criteria.It's a time conserving process through this method the organization does not need to pay the money for consultancy service for getting candidate resume.

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