Location Based Feed Aggregator

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ABSTRACT

News and information can be gathered from different sources and moreover the fact that the world is now growing digitally ahead helps the user gather more data from different sources over the internet without spending much on buying the hard copy of newspapers, magazines etc. But to get such feeds from various sources even on the internet is a big task and involves spending the time to find the correct information. This is when the proposed Feed Aggregator comes in handy where the user will receive news from various sources without spending time on visiting each website. People need information about their present location so that they are up to date with the current scenario of the place they are living at. Getting a feed based on the user specified location and categorizing them according to the current need is what the Location Based Feed Aggregator will accomplish.

Keywords: feeds, location, RSS, reader

1.INTRODUCTION

With the advancement in technology in the developed as well as the developing countries, the Internet has played a major role in the headway of many businesses organization and also in the education system. Every person making use of the internet knows how tedious it gets to keep up with all the information offered various websites. There are chances that information can get mixed, overlooked and neglected because of continuous searching over the internet. The number of people turning to search for news headlines, search results, job vacancies, etc., continue to grow. As a result of that, people need a helping tool enable them to track and revise many websites. All of these demands can be meet through a web-based application which will help people from any section like that of business associates, educational fields, or even just to obtain information about anything. There are many ways to get information, one way is through Email notifications but then the problem that arises with them is that there is spamming and consumes time. This is when an aggregator tool comes in handy where like that of an RSS. RSS is nothing but an abbreviation for Real Simple Syndication. It can also mean Rich Site Summary. It is also used in the educational environment to enhance research methods for students. Students can use this tool to gather existing information from the online journal, weblogs, publications, and other sources hence it is not required to visit the sites every day. RSS uses XML-based parsing techniques along with the HTTP request in conjunction with other web-related parsing methods to deliver updated content on the web and also at the same time helps in providing a way to dynamically change content, but its users still suffer from information overload because of the huge chunks of online updates. Therefore, in order to filter this unorganized information, it will be segregated systematically into their respective categories.

Majority of people from different continents are eager to know about the current issues prevalent across the globe, which they can receive from Location Based Feed Aggregator but then there are those who want to know about the current affairs of their rival cooperates or is a common man wanting to stay updated with their all the current issues. The solution to this is the filtered feeds according to the requirements of the user. Also, by making use of an upcoming technology, it will help in giving an edge to our Feed Aggregator. So, by implementing the Location Based Services which provides the use real-time geo-data from a desktop device or smartphone to provide information, entertainment or security. Some services allow consumers to "check in" at restaurants, coffee shops, stores, concerts, and other places or events. By requesting the user for the Location, it will provide the user with real-time updated information and also special events conducted in that area. This will allow the user to stay up to date with all that is happening around him/her, by receiving Feeds of their City/State/Country. Even for that matter, they will be able to receive information which can be of their nearest location too. This web app will also help the users who are on a trip and wanting to know about the information around them as their smartphone will have the GPS for getting the real time location. People on weekends always try to find various other activities they can indulge themselves into like watching movies, attending events or checking in at a restaurant can be done through location services making their lives easy.
Every another technology which is developed for making the lives of the users comfortable likewise Location Based Feed –Aggregator is also making use of emerging techniques for keeping users with updated and active.

2. PROPOSED METHOD

People need information about their present location so that they are up to date with the current scenario of the place they are living at. Getting a feed based on the user specified location and categorizing them according to the current need is what the Location Based Feed Aggregator will accomplish.
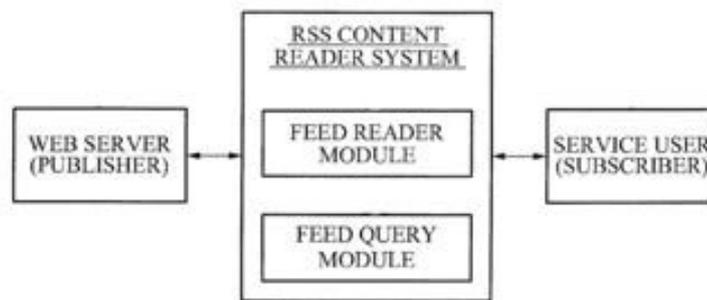

Figure 3.1 System Block Diagram

FIG. 1 is a block diagram illustrating the RSS content reader system for aggregating RSS content.
Referring to FIG. 1, The RSS content reader system consists of a proxy server which provides a web service to the subscriber through a proxy.

This RSS content reader system is connected to a subscriber and web servers via a network. The subscriber requests for feeds from the RSS content reader system along with the position requests if any. The web server is an RSS content offering method for providing a content syndication aid on the web and may provide a syndication service based on hypertext transfer protocol (HTTP)-based protocol. This is the root of all the knowledge which will be delivered on the feed aggregator. The information requested after aggregation will be delivered entirely to the subscriber. Also, the RSS content reader system keeps requesting for feeds of an updated RSS content (hereinafter referred to as an updated content') to the web server through a query using latest data or location information in the RSS content reader system. The RSS content reader system consists of a feed reader module and a query module each of whose function is: The feed reader module aggregates a feed related to an RSS content from the web server corresponding to a website address which the subscriber registered. In this instance, the feed includes one title and a unique address that is also referred to as a link along with a short description provided by the source web site of the content or the entire content of the feed. This content of the feed will be timely updated depending on the feed query module, which requests an updated content to the web server using a query base on update information of a feed.

3. LOCATION BASED SERVICES

Location-based services (LBSs) are services that take into account the geographic location of an entity. Map is the most direct representation of spatial information. Map can easily show where and how the emergency event is happening. It is apparent that time is one of the most crucial aspects of life. To be at a foreign place or maybe searching for a building, restaurant, etc., having little or no knowledge about can be time consuming. Many social Networking websites like Facebook, Instagram, Twitter allows users to add location-based posts while some sites provide location of restaurants malls etc according to the needs of user.
Similarly, we provide a website which gives us the information regarding the location of the user. For eg, if the user is Standing at some location he will get all the information regarding the offers and the schemes going on in the nearby environment. Offers such as 50% discount for going to a nearby store for shopping above 5000. We are going to use Google Maps API and JavaScript to provide the user a better and satisfying experience.

A. *Location based feeds*

In this part, the feeds which we are providing to the user are according to the course of events happening with respect to his subscription. i.e. sorted according to the respected website from where the feeds are coming. Hence we provide a feature in which there will be a drop down or a search bar wherein the user can write or select his location and

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according to his location his feeds will be prioritized. However, this feeds will only be managed or manipulated from the subscription he has made in his account.

For e.g., if the user has subscribed to CNN-TOPSTORIES the feeds first he will get are sorted by the CNN the way they have posted, but this can be changed the user can get all the feeds (in this case news) according to the location he provides in the bar.

B.Location Based features

In this section, the user can travel to another page of activities where he can get a list of various restaurants and theatres and many more such places that offer great deals to the user. So how this works is that the user gets to set his location and he will have various pin drops on the map and he can select one of them and check the offers and discounts going on at that time and on that particular day or week. This feature adds on to our project and is quite an exciting thing to do other than going through the feeds.

References

[1] M. Nottingham. (2005,Sept) . " RSS Tutorial for Content Publishers and Webmasters" [Online]. Available: http://www.mnot.net/rss/tutorial/#Intro [Accessed: 3-10- 2012].

[2] B. Hammersley, Developing Feeds with RSS and Atom, San Francisco, California: O'Reilly, 2005. [E-book]. Available: OR-eilly Media, http://shop.oreilly.com/product/9780596008819.do?sortby=publicationDate [Accessed: 3-10- 2012].

[3] E. Finkelstein , Syndicating Web Sites with RSS Feeds For Dummies , Toronto, Canada: Wiley Publishing, 2005. [E-book].   Available: Wiley http://eu.wiley.com/WileyCDA/Section/id-WILEYEUROPE2_SEARCH_RESULT.html?query=Syndicating%20Web%20Sites%20with %20RSS%20Feeds%20For%20Dummies [Accessed:1-10-2012].

[4] D.Ayers and A.Watt,Beginning RSS and Atom Programming, Toronto, Canada: Wiley,2005[E-book]. Available: Amazon, http://www.amazon.com/Beginning-Atom-ProgrammingDannyAyers/dp/0764579169/ref=sr_1_1?s=books&ie=UTF8&qid=133495162   7&sr=1-1 [Accessed:111- 2012].

[5] What is an RSS feed?, Medicineworld.org,. [Online]. Available: http:Medicineworld,p://medicineworld.org/cancer/rss/what-is-an-rss-feed.html [Accessed:4- 11- 2012].

[6] Hogzhouliu, Venugopalan, EminGum.client "Behavior and Feed Characteristics of RSS, a Publish-Subscribe System for Wem Micro News".[online]. Available: http://www.cs.cornell.edu/people/egs/papers/rsssurvey.pdf [Accessed ,29-9-2012].

[7] H. Melville, The A to Z about RSS . [E-book].Available: Free-EBook, http://www.free- ebooks.net/ebook/A-toZ-about-RSS .pp 13-26 [Accessed: 1-10- 2012]

[8] Z. Çelikbas," What is RSS and how can it serve libraries?",2004.[online].Available: http://eprints.rclis.org/handle/10760/5617 [Accessed: 28-9-2012]

[9] B. Hammersley, Content Syndication with RSS, San Francisco, California: O'Reilly, 2003. [E-book]. Available: http://shop.oreilly.com/product/9780596003838.do [Acssed,4-10- 2012] " Why MySQL" Internet: http://www.mysql.com/why-mysql/, [Accessed: 30-11- 2012]