

International Journal of Computer Science and Mobile Computing



A Monthly Journal of Computer Science and Information Technology

ISSN 2320-088X

IJCSMC, Vol. 4, Issue. 11, November 2015, pg.159 – 163

RESEARCH ARTICLE

AN APPROACH TOWARDS NEWS ALERT SYSTEM

Madhura Baporikar¹, Sayali Salvi², Vaishnavi Sowany³, Prof. Nikhil S. Sakhare⁴

^{1,2,3,4} Department of Computer Science & Engineering, Rajiv Gandhi College of Engineering & Research, Nagpur, Maharashtra, India

¹madhurabaporikar@gmail.com; ²sayali23.1994@gmail.com; ³vaishnavisowany@gmail.com; ⁴nikhilsakhare.06@gmail.com

Abstract— Recently, there has been a dramatic increase in the use of XML data to deliver information over the Web. Nowadays, personal weblogs, news web sites, and discussion forums are publishing RSS feeds for their subscribers to retrieve new postings. It is most important to provide the improved mechanism to extract the information quickly and effectively. RSS feeds to receive updates from various websites to provide updated content to users. But, this news is not category specific. So, we propose a method to provide users with the choice of a category.

Keywords— “RSS, HTML, XML, .NET”

I. INTRODUCTION

Alert is basically a machine-to-person communication that is important and/or time sensitive. An alert contains user-requested content such as a reminder, a notification, and ultimately an alert. Alert notification is the delivery of alerts to recipients. News alert system^[1] accepts and processes request from users. This system integrates information from online news and newspapers. Users will subscribe this service where they will be notified with any latest news about their favourite category choice.

For example, the system will extract news from other website using RSS^{[3][4]} which delivers rapidly changing content on the internet and then summarize it into notification format and notification is send to several subscribers. The subscriber will get the latest news in a timely manner. This proposed system will check any latest news in several website that allow other people to extract information from their website. Then, if there is any new updates, it will extract the news^[4] and convert into notification and send to subscriber's mobile phone.

The major objective of our project is to develop a news alerts system that will provide category specific news alerts to the user.

There are existing news alerts systems on various existing platforms that provide latest news alerts to user, but they are not category specific. So we intend to build a news alerts system that will provide category specific news alerts to the user. For example, if a person is much more interested in sports then he/she will receive only sports related notifications.

In our system there are six categories of news:

TABLE I
CATEGORY LIST

Sr. No.	Category Name
1.	All Breaking
2.	Politics
3.	Sports
4.	Technology
5.	Entertainment
6.	National

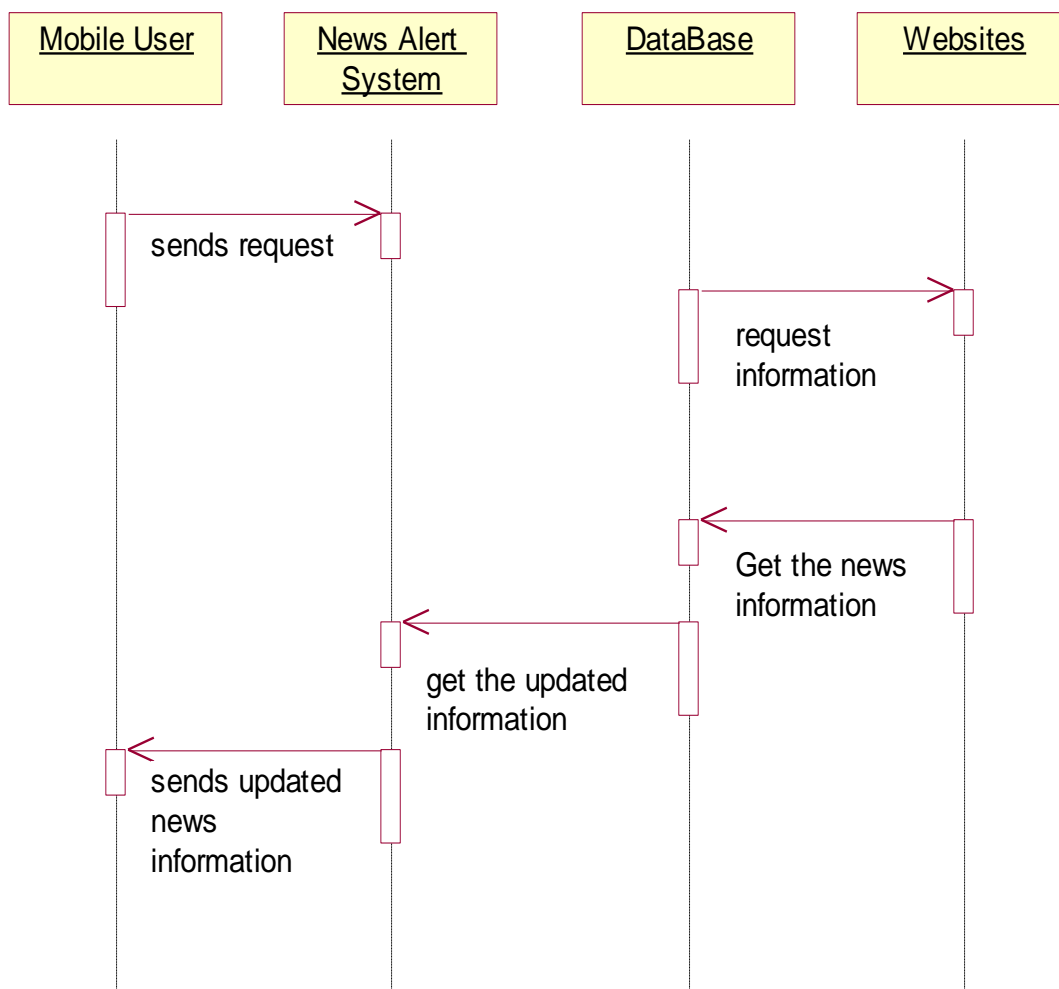


Fig. 1 Sequence System Diagram

II. PROPOSED WORK

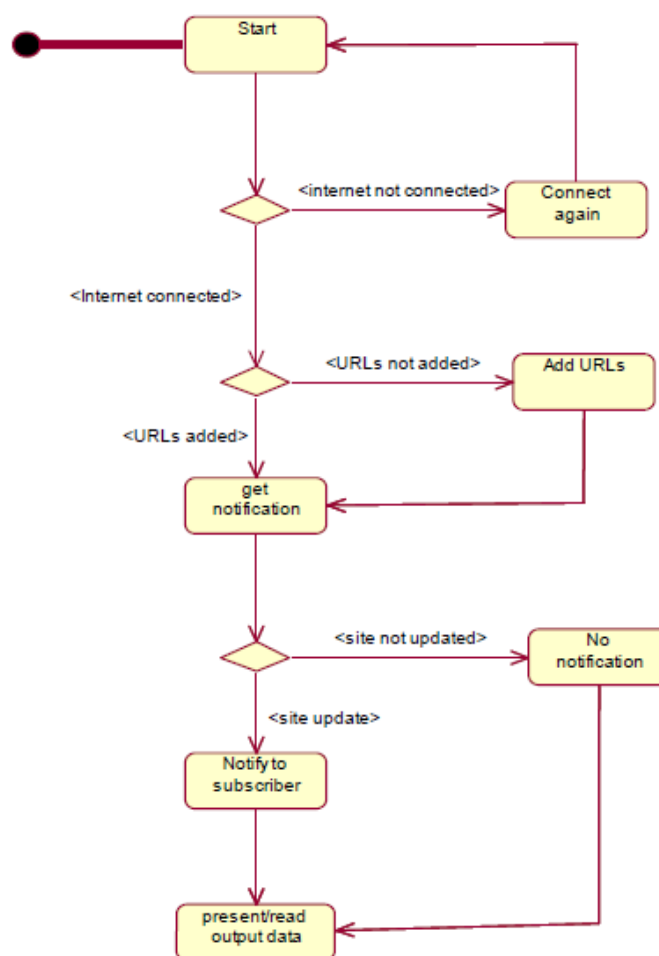


Fig. 2 Proposed System Activity Diagram

The project is a news alerts system where we intend to send timely notifications to the user regarding the breaking news for a specific category only that the users will subscribe to. For our project that is based on fast and effective breaking news alerts, we surveyed the following papers regarding RSS feeds and news retrieval.

Recently, there has been a dramatic increase in the use of XML data to deliver information^[1] over the Web. Personal Weblogs, news Web sites, and discussion forums are now publishing RSS feeds for their subscribers to retrieve new postings. As the popularity of personal Weblogs and RSS feeds grows rapidly, RSS aggregation services^{[2][4]} and blog search engines have appeared, which try to provide a central access point for simpler access and discovery of new content from a large number of diverse RSS sources.

III. IMPLEMENTATION

As a news alerts system, it needs a proper internet connection to receive the notifications and for updation. The retrieval system for the software needs to be adept so that timely notifications^[4] are received properly by the user with his selected choice only. Also, it is decided that the number of choices given to the user will be limited to five or six for smooth working and updation of the database. After implementation of front end following are the snapshots of its front end design:

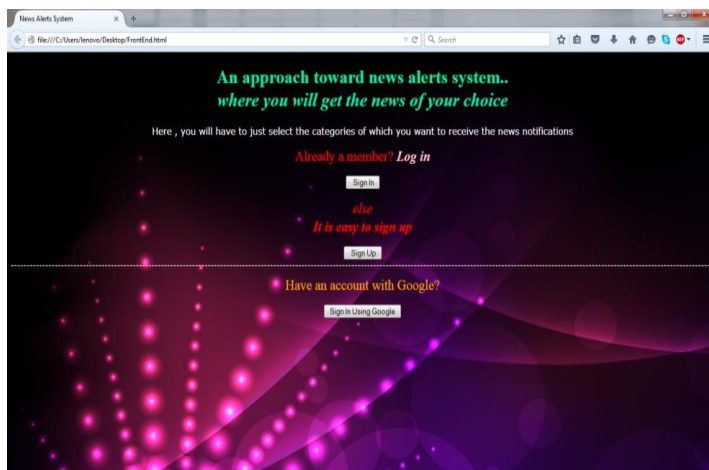


Fig. 3 Illustrates the main page

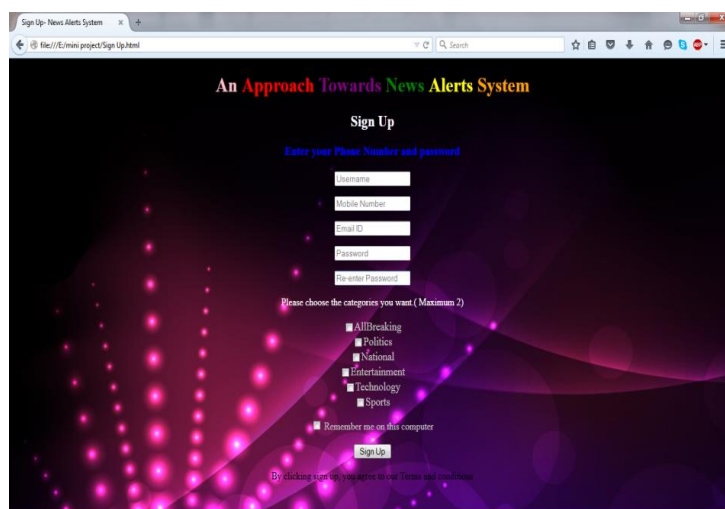


Fig. 4 Illustrates the sign up page

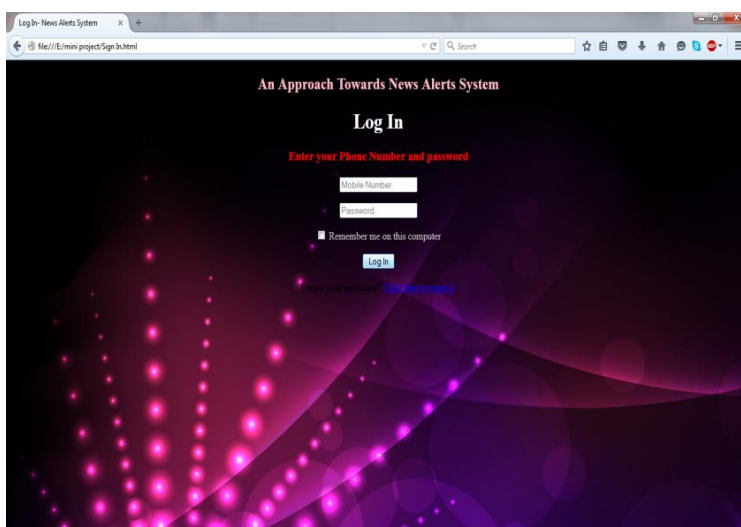


Fig. 5 Illustrates the Log in page

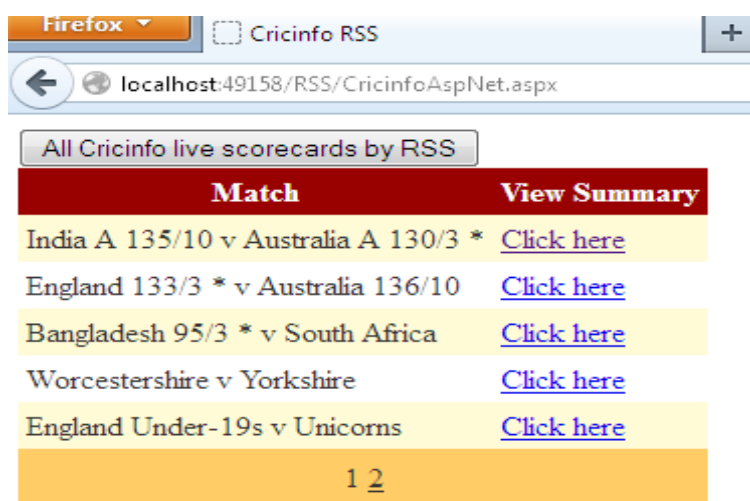


Fig. 6 Shows the RSS feeds of a cricket information site

The design of the start up page is written in HTML and JavaScript^{[5][6]}. This design was necessarily light and simple so that the new users will be able to navigate the page without any problems. The project will eventually be an app for the users as they will use this app in their cell phones for the notifications.

IV. CONCLUSIONS

Our goal is to design and implement a news alerts system that will provide category specific alerts to its user. For ease of implementation we sub divided our system into four modules namely front end, retrieval, database and notification. Thus, we successfully created the front end user interface of our project. Further implementation includes designing notifications for the user and creating the database. Along with creation of the database, we also will constantly update the database for recent news alerts.

V. REFERENCES

- [1] Ka Cheung Sia, "Efficient Monitoring Algorithm For Fast News Alerts", page 950-961, IEEE International Conference 2007 Volume 19 Issue 7, ISSN 1041-4347.
- [2] Iva Chavhan, Priyanka Pavar, "Detailed study of aggregator for updates", pages 302-304, International Journal of research and Technology, 2014, ISSN 2319-1163.
- [3] S.V Bharthi, Angelina Geetha, "RSS feed and News Content categorization", pages 51-57, IRD India, 2013 Volume 1 Issue 1, ISSN 2347-2812.
- [4] George Adam, "Efficient extraction of news articles based on RSS crawling", Machine and Web Intelligence International Conference, 2010 Print ISBN 978-1-4244-8608-3.
- [5] Thomas A. Powell, "HTML and CSS-The complete reference", McGraw Hill Publications, Fifth Edition, Chapter No.3, Page no.133, 727,765.
- [6] Marjin Haverbeke, "Eloquent JavaScript", Second Edition, Chapter No.1, 2, 3.
