

January 2009

## ONLINE NEWSPAPER DISTRIBUTION SYSTEM

Vijayalaxmi Kadroli

*Terna Engineering College, Nerul*, vijayalaxmi.kadroli@gmail.com

Vikas Khanase

*Terna Engineering College, Nerul*, khanasevikas@ymail.com

Jalpesh Shelar

*Terna Engineering College, Nerul*, jalpeshshelar@gmail.com

Atul Bhaisare

*Terna Engineering College, Nerul*, atul18989@gmail.com

Gaurav Pawar

*Terna Engineering College, Nerul*, gaurav2690@gmail.com

Follow this and additional works at: <https://www.interscience.in/imr>



Part of the [Business Administration, Management, and Operations Commons](#), and the [Human Resources Management Commons](#)

---

### Recommended Citation

Kadroli, Vijayalaxmi; Khanase, Vikas; Shelar, Jalpesh; Bhaisare, Atul; and Pawar, Gaurav (2009) "ONLINE NEWSPAPER DISTRIBUTION SYSTEM," *Interscience Management Review*. Vol. 2 : Iss. 1 , Article 9.

DOI: 10.47893/IMR.2009.1024

Available at: <https://www.interscience.in/imr/vol2/iss1/9>

This Article is brought to you for free and open access by the Interscience Journals at Interscience Research Network. It has been accepted for inclusion in Interscience Management Review by an authorized editor of Interscience Research Network. For more information, please contact [sritampatnaik@gmail.com](mailto:sritampatnaik@gmail.com).

---

# ONLINE NEWSPAPER DISTRIBUTION SYSTEM

Vijayalaxmi Kadroli

Vikas Khanase(khanasevikas@ymail.com)

Jalpesh Shelar(jalpeshshelar@gmail.com)

Atul Bhaiare(atul18989@gmail.com)

Gaurav Pawar(gaurav2690@gmail.com)

[ Terna Engineering College, Nerul, University Of Mumbai ]

## Abstract:

*In today's world where we have automation in all the areas, there is one field where technology is not entered yet that is newspaper distribution system. Our system is the Online Newspaper Distribution system for vendors and customers under the administration of distributor. Online newspaper distribution is based on technology similar to that of online shopping system. Internet and use of new technologies would enhance the newspaper distribution system.*

*Nowadays newspaper vendors are used to distribute papers manually. This manual system consisting of many problems mentioned in further description. Due to many problems of manual methods there are great chances of introducing human errors and other external issues.*

*Our software can resolve these problems of newspaper distribution and also of customer and will find the easiest way to place an order and methods of payments in case of billing stuffs. Our software uses the existing technologies such as online transactions via credit cards. We have also added few new features.*

## **Keywords:**

**Registration of customers and vendors, allotment of customers to vendors, credit card payment, services of pdf copy of newspaper.**

## 1. INTRODUCTION

### FEATURES :

- Are easily reconfigurable by changes in software.
- Can be used by anyone with credit card.
- Are highly interactive and adaptive.
- Make use of a wide variety of schemes in newspapers and few of online transaction systems.
- The user becomes highly immersed in the computer synthesized environment and experiences a lot than in usual manual system.

The main goal of the software is to provide the user with following options:

- To give comfort to customer to get information about various schemes in various newspapers.
- To give comfort for vendors in collection of money from each customer.
- Allotment of customers to nearest vendor by location.
- Provide pdf copy of news papers to respective customers.

We may struggle in having the detailed knowledge of each and every scheme that is available with different newspaper. Using our website all required information can be obtained with ease. Vendors have to face many problems in the process of collection from every customer by visiting their home. Our system uses credit card transactions for such collection and billing issues, in case of any emergency.

## 2. Literature Survey

The Use of Internet is increasing is getting more advanced and efficient which has made most radical transformations in the newspaper system. Effective exploitation of these changes requires adequate attention to understanding the technology, the distribution processes and issues, customer requirements, etc. The existing newspaper system consists of various problems. Some of them are listed below:

### 1. Manual system:

All activities present in manual system are not reliable and there is a less efficiency of having backup records. It is inconvenient to update the manual records.

### 2. Wastage of papers:

As the no of customers varies, there are possibilities of producing more no of newspapers than required. Hence lots of stationary and efforts are wasted.

### 3. Bills and payments:

The records of Bill Payments of vendors and customers are manual

### 4. Risk:

For newspaper with different schemes, the manual system consists of various problems for handling billing system. Some of the system tried to solve the above mentioned problem but hardly succeeded.

Demand for Newspaper:

In order to check for the future demand of newspapers we had a survey on past records of surveys on same topic. One of them was indicating that there's also more urgency to get the news first in this group, McKinsey found, with about 40% saying they needed to be the first to hear breaking news. This need for immediacy is reflected in younger news consumers' choice of media: they overwhelmingly prefer to get their news from television and the Internet," the report says [1].

But newspapers remain the most trusted medium, with 66% of respondents describing the paper as "informative and confidence inspiring." That compares with 44% for television and just 12% for the Web.

"This suggests that newspapers have further scope to go beyond news, to drive reader interest and advertising revenues at the same time," Nattermann writes [1].

And "interest" in getting news from newspapers has grown, the survey found. Among people aged 16 to 24, interest in newspaper news grew to 68% from 53% in a 2009 survey. In the 25-34 cohorts, interest grew to 61% from 51%. Hence we can say that in future there will be a huge demand for newspapers. So it is very important for us to improve the methodologies used in these fields.

The Literature survey conducted in order to gather information for this paper has helped us gain an insight into the challenges faced by the developers for successful implementation of any project in a new and developing field. Due to various advantages networking and inline transactions, this paper would have significance importance in the field of newspaper distribution. We have also solved out the problem of break of naked stack of papers [2]. The problem of number of copies of papers can be determined as we are using the database system for the storage of all records [3]. Various aspects related to the use of online databases and electronic publishing by newspaper companies are outlined [4].

3. Methodologies of System Development

The application of the system is to be designed as per the needs if customer as well as vendors. The protocol for the same is given in step by step format:

- Step 1: Registration and authentication for Vendors and Customers.
- Step 2: Selection of services and schemes.
- Step3: Allocation of areas and services to customers and Vendors.
- Step 4: Distributor places orders to companies.

- Step 5: Company delivers the order.
  - Step 6: Distributor distributes hardcopy to vendors and softcopy to customer's accounts
  - Step 7: Vendor distributes hardcopy to customers.
  - Step 8: Payments can be made to respective vendors or by credit cards.
  - Step 9: Daily payment is currently being made by
- Customer to vendor  
 -Vendor to distributor  
 - Distributor to company

The all authentication and authorization is being done by distributor since he is the only administrator of the entire system.

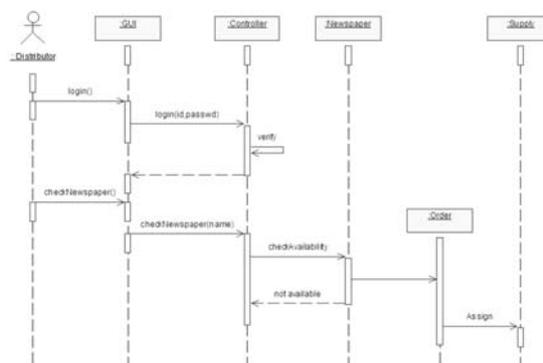


Fig. 1: Sequence Diagram

4. Software Environment

1.1 VISUAL STUDIO® 2008 OVERVIEW

Microsoft® Visual Studio® 2008 delivers on Microsoft's vision of smart client applications by enabling developers to rapidly create connected applications that deliver the highest quality, rich user experiences. With Visual Studio 2008, organizations will find it easier than ever before to capture and analyze information to help them make effective business decisions. Visual Studio 2008 enables organizations of every size to rapidly create more secure, manageable, and reliable applications that take advantage of Windows Vista™ and the 2007 Office system.

Visual Studio 2008 delivers key advances for developers in three primary pillars:

- Rapid application development
- Effective team collaboration
- Breakthrough user experiences

This white paper discusses the different customer experiences that deliver on these three pillars through the following seven technology areas.

- Developing Smart Client Applications.

Visual Studio 2008 delivers new and easy ways for developers to build smart clients. It provides a comprehensive set of tools and classes that simplify integrating smart clients with new or existing Web applications, and it enables local data caching for disconnected scenarios.

- **Creating Microsoft Office Applications.**  
Visual Studio Tools for Office (VSTO) is fully integrated into Visual Studio 2008 Professional Edition. Developers can now customize various Office applications, such as Outlook® and PowerPoint®, to improve user productivity and simplify deployment.
- **Building Windows Vista Applications.**  
Developers can easily leverage new platform technologies, and deliver more compelling applications to their customers, by effortlessly incorporating new Windows Presentation Foundation features into both existing Windows Forms applications and new applications.
- **Handling Data More Productively.**  
The introduction of Language Integrated Query (LINQ) and other data-access improvements enable developers to apply a consistent programmatic approach to data handling, perform data access with new data-design surfaces, and use built-in classes for the occasionally connected design pattern.
- **Enabling New Web Experiences.**  
Developers can easily create efficient, interactive Web applications with Visual Studio 2008. Seamless integration of the familiar ASP.NET AJAX programming model enables more efficient client-side execution, giving end users a more responsive Web interface. JavaScript IntelliSense and debugging further improve the development experience.

4.2 Microsoft SQL Server 2008

Microsoft SQL Server is a relational database management system (RDBMS) produced by Microsoft. Its primary query language is Transact-SQL, an implementation of the ANSI/ISO standard Structured Query Language (SQL). SQL (“Structured Query Language”) is an ANSI Standard computer language commonly used to access data stored in databases. SQL is a tool for managing, organizing, and retrieving data stored in a computer database. SQL works with relational databases which all organize data into tables, rows, and columns which correspond to files, records and fields

4.3 Free Tools and Resources

People may feel that I am a promoter to Visual Studio 2008 as a salesman, but we get plenty of free resources and free tools with Visual Studio 2008.

- Free .NET 3.5 control libraries with free sample programs,
  - You can get plenty of free video training tutorials from Microsoft BDLC - Beginner Developer Learning Center
  - C++ games development library,
  - Microsoft has provided lot of e-Books,
  - P2P library and
  - Microsoft is providing Coding4Fun sample program kit.
- Visual Studio Registration Discounts: If you register the Visual Studio you get Free Control Libraries, Books, Images, and Discounts.

1. SYSTEM DESIGN

Architectural design:

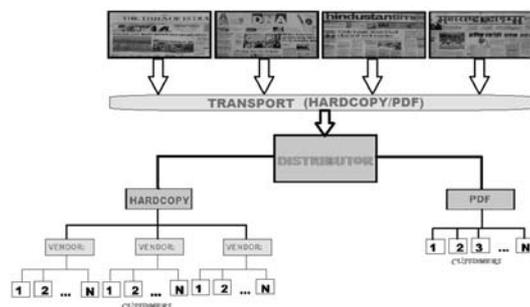


Fig. 4: ARCHITECTURE-The expected overview of system

6. Discussion and Conclusion

6.1 CONCLUDING REMARKS

The Literature survey conducted in order to gather information for this paper has helped us gain an insight into the challenges faced by the developers for successful implementation of any project in a new and developing field. Due to various advantages networking and inline transactions, this paper would have significance importance in the field of newspaper distribution. We have also solved out the problem of break of naked stack of papers [1]. The problem of number of copies of papers can be determined as we are using the database system for the storage of all records [2]. Various aspects related to the use of online databases and electronic publishing by newspaper companies are outlined [3].

This paper is an attempt to produce a platform for Vendors and customers to have interactions within each other for important purposes such as payment and subscription of services and to find any knowledge needed by them.

6.2 FUTURE DEVELOPMENT

- This paper can be implemented for the same system as that of milk distribution which also involves same kind of problems.
- Currently the software does not support for any issue regarding the paper stalls as the number of copies

may vary as per the calendar. This can be improved upon by having the observation over the stall records of newspaper being sold as per days or weeks.

- The software is currently meant to work only for distributor and vendors. This can be updated in future for stall vendors.
- We can also provide extra facilities such as SMS alert, e papers and videos of recent news for respective customers.

## 7. REFERENCES

- [1]. *McKinsey Survey: Some Hope for Newspapers in Greater News Consumption by Young 2010 01:58:00 PM By Mark Fitzgerald EditorandPublisher.com IEEE papers*
- [2]. *Namita, Masahide (JP) Application Number: EP19990119909 Publication Date:04/12/2000 Filing Date:10/08/1999, Newspaper distribution method, newspaper distribution system, and assembly type box for newspaper distributions .*
- [3]. *Paper appears in: Education Technology and Computer, 2009. ICETC '09. International Conference on Issue Date : 17-20 April 2009 On page(s): 339 – 343 Location: Singapore Print ISBN: 978-0-7695-3609-5 INSPEC Accession Number: 10798987 Digital Object Identifier : 10.1109/ICETC.2009.67 Date of Current Version : 21 July 2009, Newspaper Vendor Sales Prediction Using Artificial Neural Networks*
- [4]. *Paper appears in: Large Databases in Press and Publishing: The Present and the Future, IEE Colloquium on Issue Date : 12 Jun 1990 On page(s): 2/1 - 2/11 Location: London INSPEC Accession Number: 3754659 Date of Current Version : 06 August 2002, Customer considerations for database vendors*