Online Newspaper Distribution System

**Prof. K. Chandwani[1], Minal Sankale[2], Snehal Ambildhuke[3], Sonam Diwate[4],
Krunal Kolhatkar[5], Atul Gaurkhede[6]**

Professor, Department of Computer Science & Engineering[1]
Student, Department of Computer Science & Engineering[2,3,4,5,6]
K. D. K College of Engineering, Nagpur, Maharashtra, India

Abstract: *There is one industry in modern society where technology is not yet fully integrated with automation mechanisms for Distributing Newspapers. The distribution mechanism for online newspapers is what we use. For Vendors and Customers who fall under the distributor's management. Based on the distribution of online newspapers utilizing technologies akin to the internet buying system. The Internet and the usage of new technologies enhance the newspaper delivery system. Present-day newspapers are distributed by newspaper vendors manually, with the various issues with the manual system are described in more detail. There are several issues with manual approaches', including the high likelihood of adding human error and other outside factors. These customer and newspaper delivery issues may both be resolved by using our system.*

Keywords: News Paper Distribution

I. INTRODUCTION

Newspapers were once the country's lifeline and were acclaimed as the fourth estate for their unmatched ability to shape public opinion and spark a revolution on a variety of problems. The project's goal is to improve the newspaper distribution system. Printing press depots agents, vendors, and delivery boys manually distribute newspapers in the lanes that the vendors have designated for them. This automated system for distributing newspapers might be a useful replacement for the laborious manual method. This management system for newspapers aids in online newspaper distribution. When the administrator logs in, they may manage the newspaper online and create invoices. Once logged in, the vendor may also add the delivery guy and seek for client subscriptions.

II. OBJECTIVES

A system with roles that can be controlled much like a genuine newspaper to keep a standardized, organized website. Creating a website that is updated continuously, to make people more accessible to news of higher quality, to provide details on the many businesses in the nation that have registered to utilize our directory, and to develop a search engine for the directory and articles.

III. LITERATURE SURVEY

The newspaper industry has undergone the most drastic changes as a result of the growing, more sophisticated, and effective use of the internet. Understanding the technology, distribution procedures and problems, customer's expectations, etc., is important for the effective exploitation of these developments. Numerous issues plague the current newspaper system. Some of them are listed below:

1. **Manual system:** All tasks performed in a manual system are unreliable, and keeping backup records is less effective. The manual records updating is a hassle.
2. **Wastage of papers:** Because the number of customers changes, it's possible to produce more newspapers than necessary. So much time and effort are lost.
3. **Bills and payments:** Vendors' and customers' bill payments are manually recorded in the records.
4. **Risk:** For newspapers with diverse billing methods, the manual approach has many issues with managing the system. Some of the systems attempted to address the aforementioned issue, but they had little success.

IV. METHODOLOGY

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 distributer
  - Distributor to company

V. SOFTWARE ENVIRONMENT

4.1 Visual Studio® 2008 Overview

Microsoft® Visual Studio® 2008 enables developers to quickly produce linked apps that provide the best quality, and richest user experiences, therefore delivering on Microsoft's vision of smart client applications. Organizations will find it simpler than ever with Visual Studio 2008 to collect and analyse data to support them in making wise business choices. With the aid of Visual Studio 2008, businesses of all sizes can quickly produce applications that make use of Windows Vista™ and the 2007 Office system and are safer, more manageable, and more dependable.

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

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

In the following technological categories, this white paper explores the many user experiences that support these three pillars.

- **Developing Smart Client Applications**. For developers to create intelligent clients, Visual Studio 2008 offers novel and simple methods. In addition to enabling local data caching for disconnected circumstances, it offer's a rich collection of tools and classes that make it easier to integrate smart clients with new or existing Web applications.
- **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.
- **Developing Windows Vista Applications**. By seamlessly integrating new Windows Presentation Foundation capabilities into both current Windows Forms applications and new apps, developers can take advantage of new platform innovations and provide their clients with more engaging products.
- **Effective Data Management**. Developers may now execute data access using new data-design surfaces, use built-in classes for the sometimes connected design pattern, and apply a consistent programmatic approach to data handling thanks to the introduction of Language Integrated Query (LINQ) and other dataaccess advancements.
- **Facilitating Fresh Web Experiences.** With Visual Studio 2008, developers can quickly build effective, interactive Web apps. The well-known ASP.NET AJAX programming methodology is seamlessly integrated, allowing for more effective client-side execution and a more responsive Web experience for end users. Debugging and JavaScript
- IntelliSense both enhance the development process.
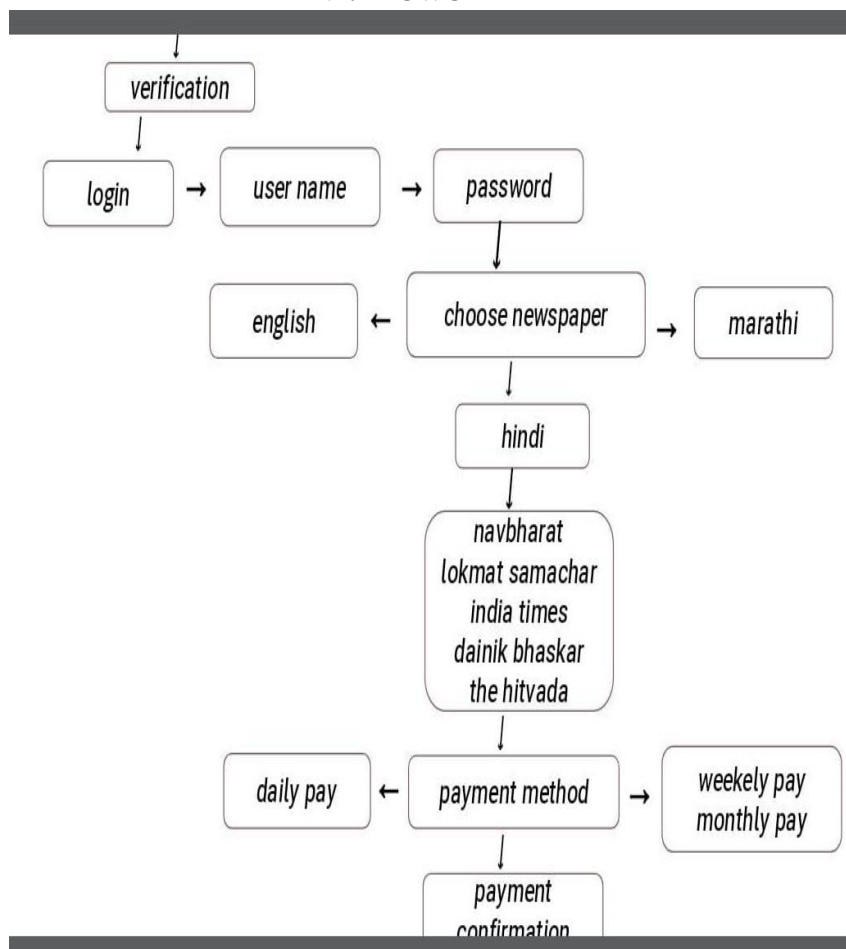
5.2 Microsoft SQL Server 2008

Microsoft SQL Servers are 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. Relational databases, with which SQL is compatible, all arrange data into tables, rows, and columns that correspond to files, records, and fields.
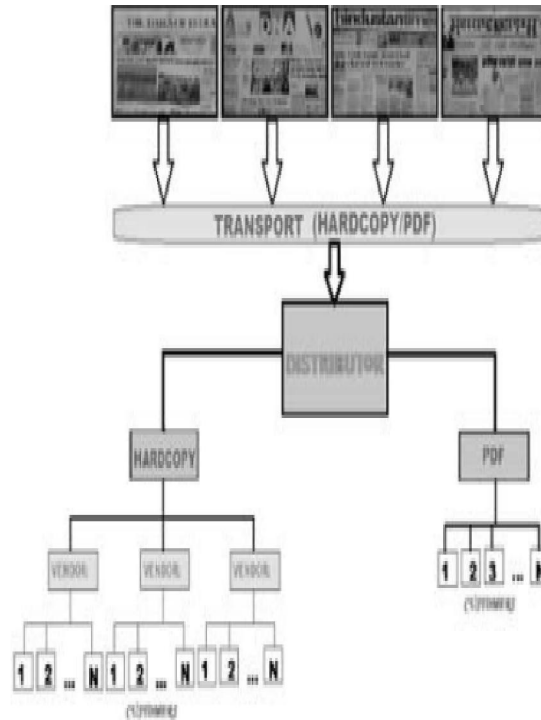
5.3 Free Tools and Resources

People could think that I am promoting Visual Studio 2008 as a salesperson, however, the software comes with a tonne of free tools and resources.

- Free.NET 3.5 control libraries with free demo applications.
- Microsoft BDLC offers a tonne of free video courses for learning. Learn Center for Beginning Developers.
- A library for developing games in C++, Many e-Books are available from Microsoft.
- P2P library.
- Microsoft is providing Coding4Fun sample program kit.

VI. FLOWCHART

VII. SYSTEM DESIGN

Figure: Architecture Design

VIII. 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.

VIII. CONCLUSION

The literature review that was carried out to acquire data for this study has given us insight into the difficulties that developers confront while trying to successfully implement any project in a brand-new and emerging sector. This study would be significant in the field of newspaper distribution because of the numerous benefits networking and inline transactions offer. We have also found a solution to the issue of a broken stack of papers.

1. Since we use a database system to store all of our records, the issue of paper copies may be identified.
2. The usage of online databases and electronic publication by newspaper firms is discussed from many angles.
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.

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