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A Novel Computational Approach to Develop Participating Village Charity Application Using dot Net

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ABSTRACT

A Novel computational approach to develop participating village charity application using dot Net technology based project which is a charity group of professionals for those users who wanted to voluntarily contribute for the development of their village/town. In this project, issues like primary education, people's health, government policies awareness and availability of basic facilities/infrastructure are on main focus among others.

This .Net project is a web based project. Main aim of this project is to develop voluntarily help to village/town. Depending on website a group wants to help their members collaborate, to plan and implement different activities and learn with others experience/feedbacks/ suggestions. Group also wants to encourage others to join their initiatives and recognize their contributions.

This .Net Web application is fully integrated with customer relationship management (CRM) solution and developed in a manner that is easily manageable, time saving and relieving one form semi-automated.

In this project users will register to the website. They will upload all the information necessary regarding the application. Users of this application will gather the entire requirement so the village or town to be developed in this site. This information will be viewed by everyone who is registered with this website. They can give their views about the development.

INTRODUCTION:

A Novel computational approach to develop participating village charity application using dot Net technology based project is a web application where the charity group of professionals will communicate over the internet to plan and track the developmental activities which are undertaken by the organization. The members should actively participate in the meetings and formulation of the developmental activities which are to be implemented. The members should contribute funds for the financial support of the organization to implement the developmental activities [1]. The people can also take part in the organizational activity by joining as volunteers in the organization and can actively participate in the group meetings and other activities. The group also runs a monthly magazine which is mailed to all the members and anyone who visits the website can subscribe it for free.

The anonymous user can check for the updates in the site and can join as the volunteer in the organization. Feedback can be given by any person who has visited the web site. The application is completely developed in struts framework and it uses the database to store the details of the members and other organizational details.

OBJECTIVE OF THE WORK:

The project is a charity group of professionals those want to voluntarily contribute in their village/town's

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development. Issues like Primary education, people's health, government policies awareness and availability of basic facilities/infrastructure are on main focus among others. Through the website group want to help their members collaborate, to plan, assess and implement different activities and learn with others experience/feedbacks/suggestions. Group also wants to encourage others to join their initiatives and recognize their contributions [2].

INFORMATION SUPER HIGHWAY

A set of computer networks, made up of a large number of smaller networks, using different networking protocols. The world's largest computing network consisting of over two million computers supporting over 20 millions of users in almost 200 different countries. The Internet is growing a phenomenal rate between 10 and 15 percent. So any size estimates are quickly out of date.

Internet was originally established to meet the research needs of the U.S Defense Industry. But it has grown into a huge global network serving universities, academic researches, commercial interest and Government agencies, both in the U.S and Overseas. The Internet uses TCP/IP protocols and many of the Internet hosts run the Unix Operating System.

INTERNET INFORMATION SERVER (IIS):

A web server is a program connected to the world wide web(www) that furnishes resources from the web browser.

Microsoft IIS is a web server integrated with Windows.NET server that makes it easy to publish information and bring business application to the web. Because of its tight integration with Windows NT server, IIS guarantees the network administrator and application developer the same security, Networking and administrator functionality as windows NT server. Above and beyond its use of familiar Windows NT server Tools and functionality, IIS also has built-in capabilities to help administer secure websites, and to develop server-intensive web application.

FEATURES OF IIS:

IIS provides integrated security and access to a wide range of content, work seamlessly with COM components, and has a graphical interface-the Microsoft Management Console (MMC) –that you can use to create and manage your ASP application.

IIS Provides Integrated Security:

On the internet, most sites allow anybody to connect to the site. The exceptions are commercialists where you pay a onetime, monthly fee to access the site. Sites that are restrict the access called secured site. Secured site use either integrated security or login, password security. IIS support both of these methods [3].

IIS provides Access to Content:

All web servers can deliver HTML files, but they differ widely in how they treat other types of content. Most servers let you add and modify Multi-purpose Internet Mail Extensions (MMIE) types, but integrate directly into the windows registry. That means IIS natively understands how to treat most common windows file format, such as text (TXT) files, application initialization (INI) files, executable (EXE) files and many others

IIS provides an Interface FOR COM

You can control many parts of IIS using COM, IIS exposes many of the server's configuration settings via the IIS Admin objects. These objects are accessible from ASP and other languages.

That means you can adjust server configuration and create virtual directories and webs programmatically. IIS 4 and higher store settings and web information in a spoil database called the Metaphase. You can use the IIS Admin objects to create new sites and virtual directories be alter the properties of existing sites and virtual directories [4].

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EXISITING SYSTEM:

The existing system is a semi-automated at where the information is stored in the form of excels sheets in disk drives. The information sharing to the Volunteers, Group members, etc. is through mailing feature only. The information storage and maintenance is more critical in this system. Tracking the member's activities and progress of the work is a tedious job here. This system cannot provide the information sharing by 24x7 days.

Problem in Existing System

1. Lack of membership and login facility in the website.
2. Lack of registration and profile management
3. There is no communication between the members
4. The course of development of plan of action is not automated.
5. Feedback is not considered

PROPOSED SYSTEM

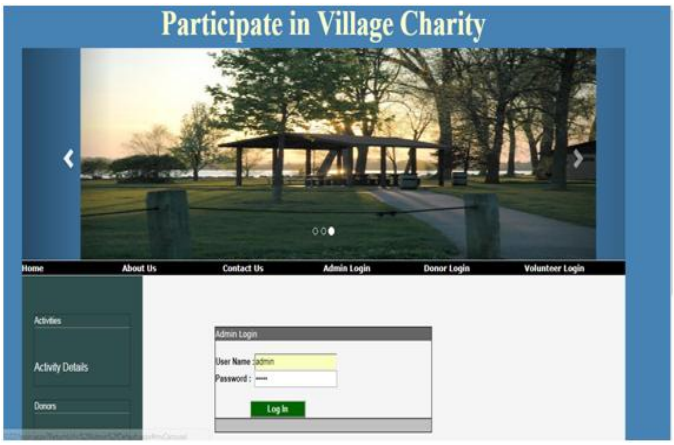
The development of this new system objective is to provide the solution to the problems of existing system. By using this new system, we can fully automate the entire process of the current system. The new system would like to make as web-enabled so that the information can be shared between the members at any time using the respective credentials. To track the status of an individual process, the status update can be centralized using the new system. Being a web-enabled system, the process can be accessed across the world over net. This system also providing the features like Chatting, Mailing between the members; Images Upload – Download via the web site; updating the process status in centralized location; generated reports can also be exporting to the applications like MS-Excel, PDF format, etc. In this new system, the members like Donors can give their valuable feedback to the Volunteers so that the Volunteers can check their progress of the tasks. The entire process categorized as different modules like Admin module, Volunteer module, etc. at where we can classify the functionality as an individual process. Using the new system entering into Admin module we can perform. In this new system using the Volunteer module we can do. In the Reports module we can generate reports like Weekly Status Report.

SCREEN SHOTS

Home page:

About us:

Admin Login:



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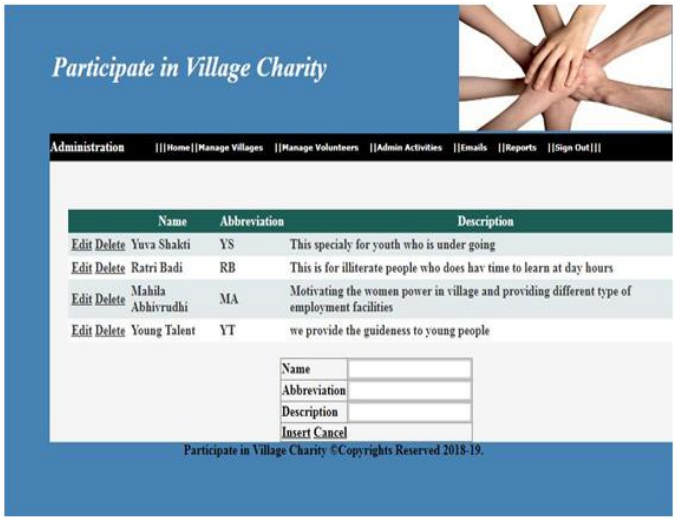
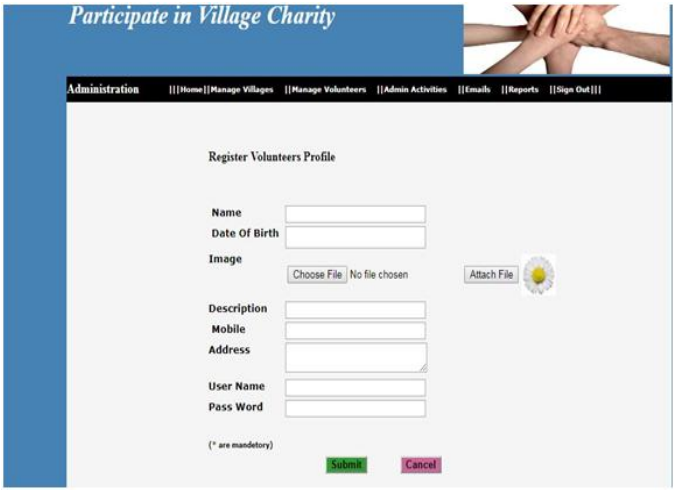
Welcome Admin:

Add Village:

Add Activity:



Add Volunteers:



Assign village to Volunteers:

Manage Banks:

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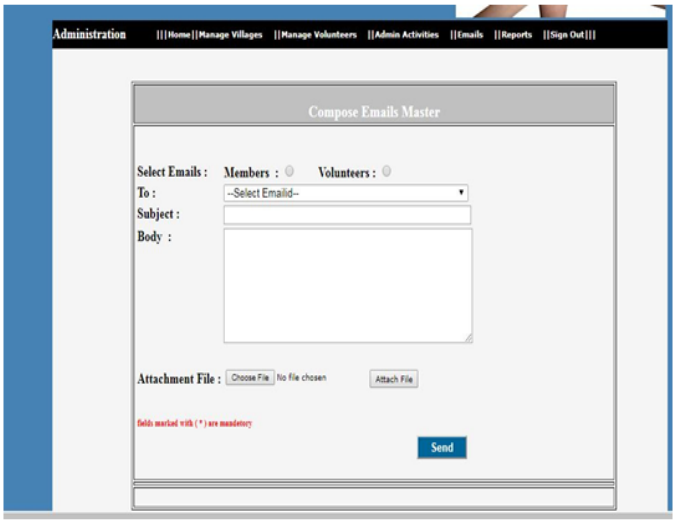
Payment Types:

Compose Mail:



Change Password:

Inbox Details:

Activity budget:

Out Box Details:

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Donor Report:

Report For Volunteer Activities:

Report For Donations By Donors:

Report For Activity Completion Details:

Report For Registered Donors:

Admin logout:

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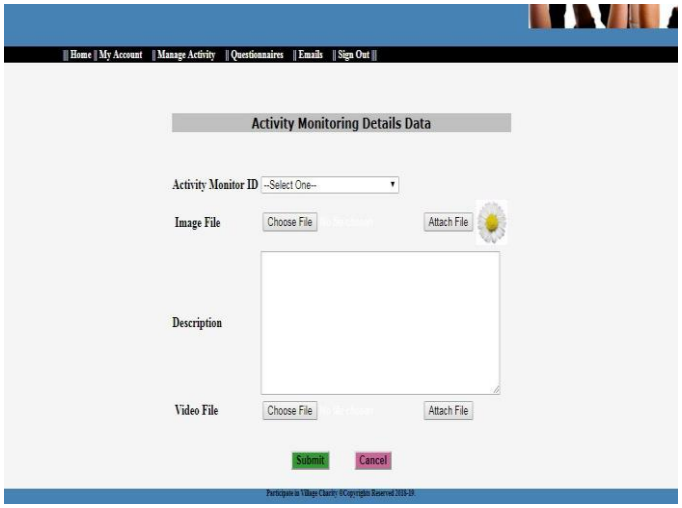
Volunteer Login:

Activity Monitoring Data:

Volunteer welcome page:

Activity Monitoring Data:



Change Password:

Report For Activity Completion Details:

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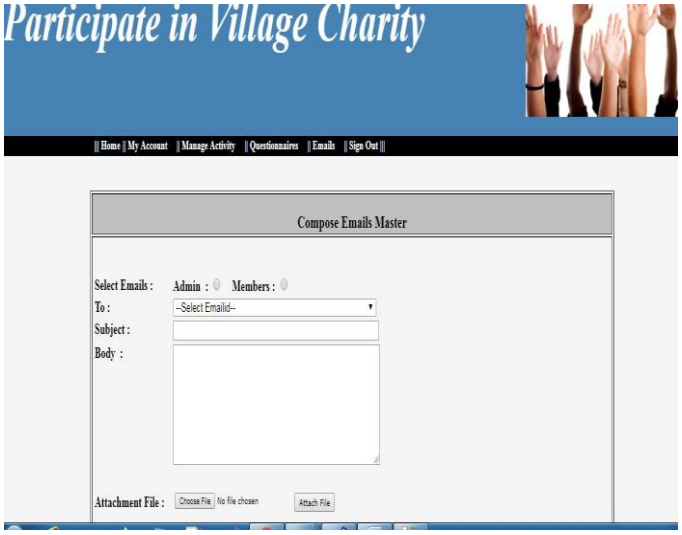
Questions an activity:

Compose Email master:



News Letters:

Inbox Details:

Discussion Forum:

Sent Mails:

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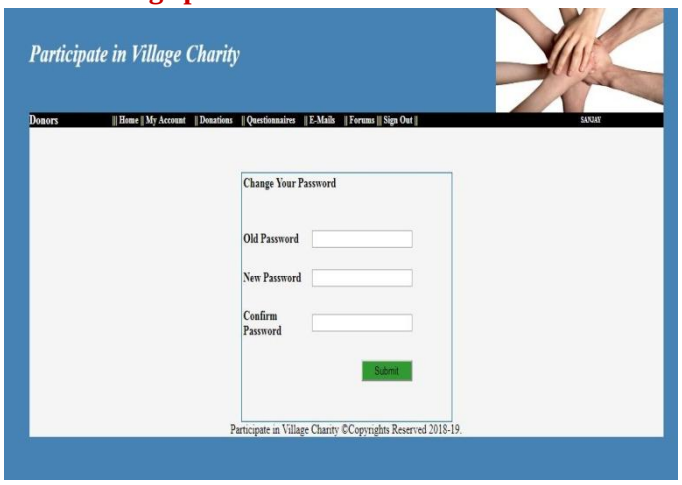
Volunteer Available to chat:

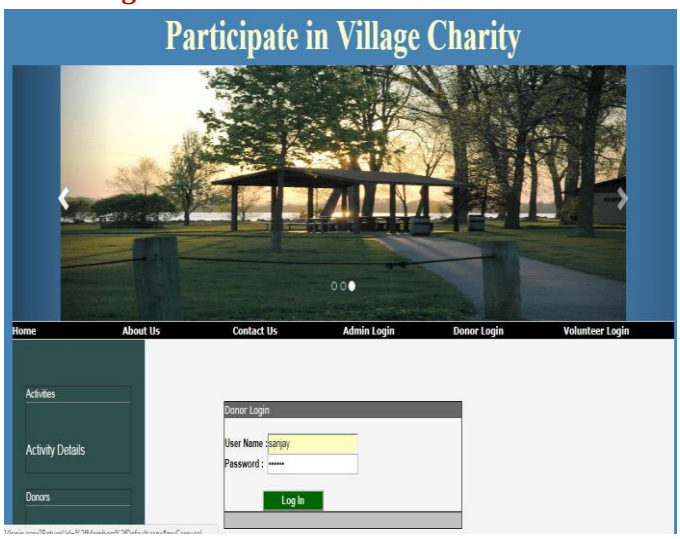
Donor Home:

Sign Out:

Donor change password:



Donor Login:



Activity Monitoring Details:

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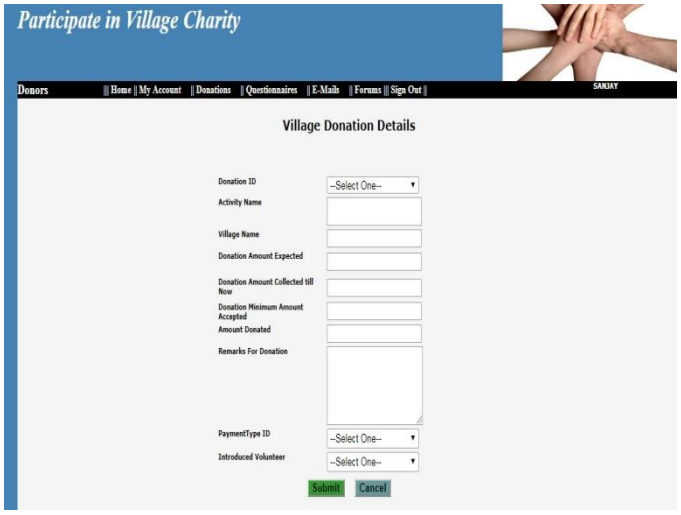
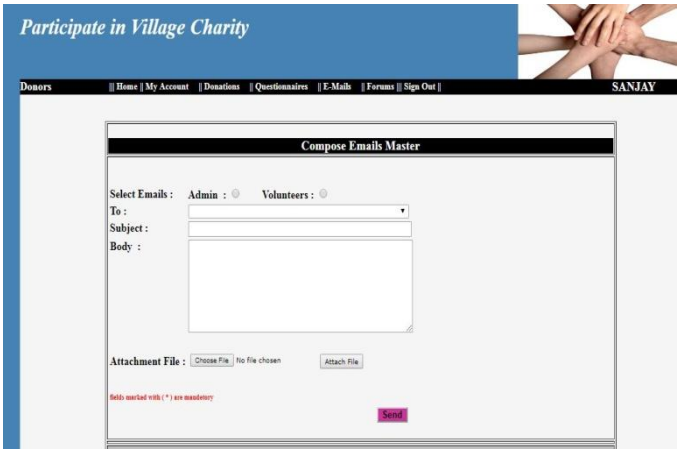
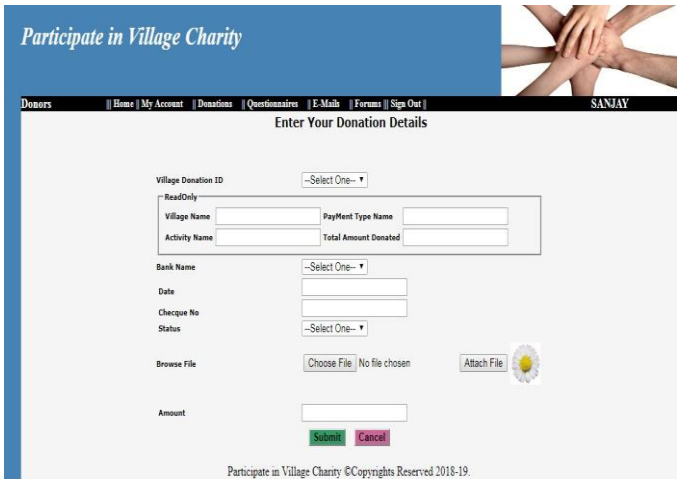
Village Donation Details:



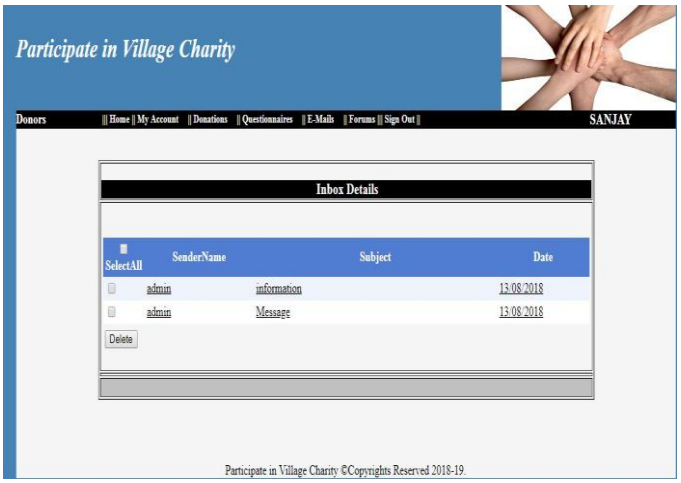
Compose Emails:



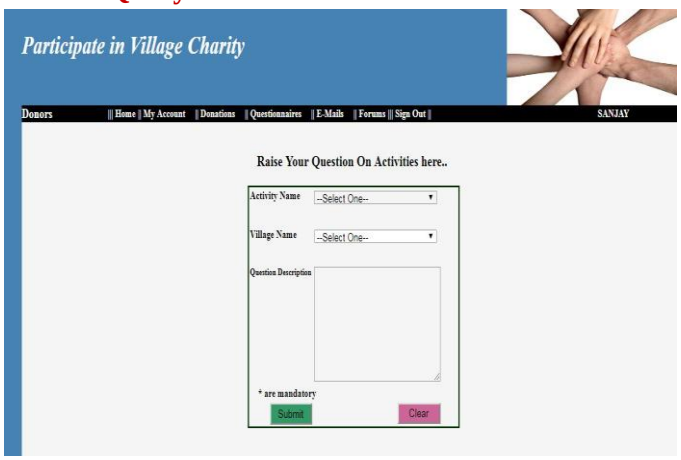
Donor Donation Details:



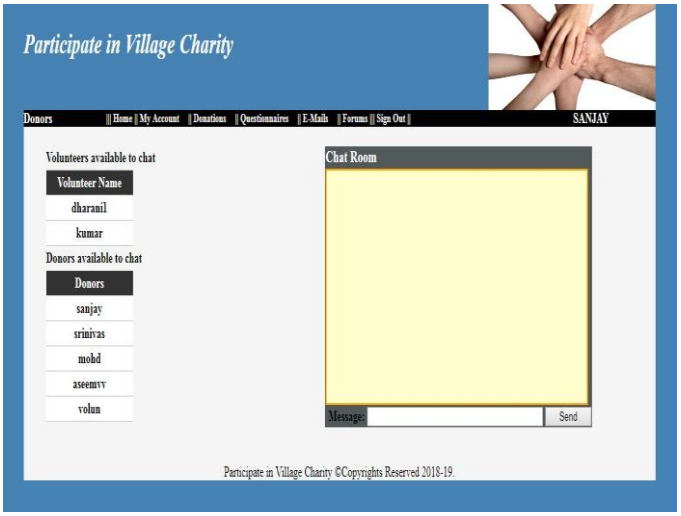
Inbox Mail:



Post the Query:



Group Chat:



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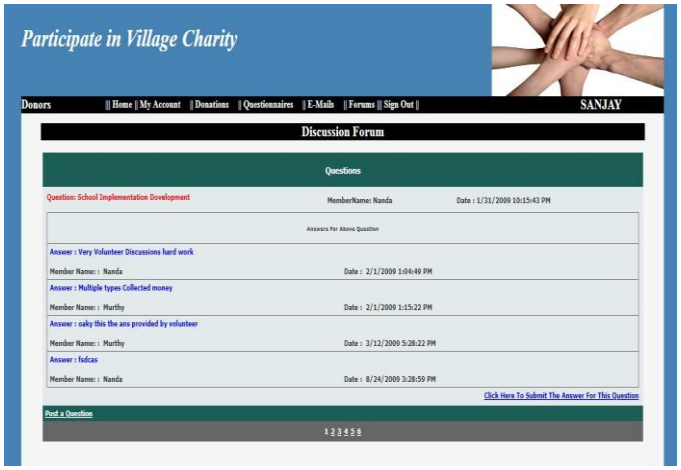
Discussion Form:



CONCLUSION

The entire project has been developed and deployed as per the requirements stated by the user, it is found to be bug free as per the testing standards that are implemented Any specification -untraced errors will be concentrated in the coming versions) which are planned to be developed in the near future. The system at present does not take care of lower level check constraints in accessing the file types in distributed environments)which is to be considered in the future up gradations.

As per the present status the project is well equipped to handle the central file system of an organization in the server and provide access to the users with various privileges as prescribed in the system.

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[2] Programming in C# 1st Edition By Harsh Bhasin

[3] Asp.Net: The Complete Reference 1st Edition By Matthew MacDonald

[4] SQL: THE COMPLETE REFERENCE 3rd Edition By James Groff, Paul Weinberg, Andy Oppel.