OPTIMIZED ALUMNI DATA MANAGEMENT SYSTEM

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Abstract— Maintaining the data history of the students is a typical functionality in any institution. It is always an added advantage to have an automated, Organization-specific data management system. Unlike other online solutions for alumni data management which either focuses on data management or communication, this system focuses on both data management and communication. The proposed system provides an optimized solution for collecting and managing the alumni data. The system targets a wide range of audience since it is a web application. The system will be an all-in-one place to handle alumni data, to enable communication between alumni and the institution and provides great flexible features to keep track of the data. It will enable quick and easy communication through the built in forum where the user can share or post information and privacy can be achieved through private chat facility. The user can update their information by simply filling out forms and uploading their file. Admin gets the privilege of viewing the weekly, batch wise, location based and role based reports. One more advantage of the proposed system is that, generally alumni forum will be managed by group of alumni which would be an overhead to them, this system is automated hence does not require maintenance effort from the alumni side.

Keywords— Alumni, forum, chat, data, reports

I. INTRODUCTION

Communication between graduates and the institution can be very beneficial in many situations. For instance, the institution may be interested in extending an invitation for a guest lecture to one of its alumni who is a very successful entrepreneur now. But without having proper contact, the institution will have to spend time tracing the contact. Thus maintaining consistent data goes hand-in-hand with establishing proper communication.

Building a good professional network is the base for anyone desiring to be successful in career. The proposed system helps in accomplishing this, where alumni can communicate among themselves, with their juniors and with the organization. This way they can build a strong network of professionals. This system proves to be beneficial to the current students of the institution since they get the contacts of their seniors from whom they can seek for opportunities and guidance.

The worth of any institution is measured by evaluating the success of the students passing out from that institution. Hence, the system provides an easy way of documenting their student's achievements through profiling. Users can view their profile and can make changes to their profile as and when required. The profile information includes basic personal information, contact information, information about the organization they work in and information about their achievements. Each achievement of the user can be supported by uploading a certificate. The uploaded certificates are maintained in a centralized server so that they can be accessed by the admin as and when required.

On the other side, the admin can communicate with the alumni as well and be notified of any update made by the users to their profile through weekly reports. This is a greatest advantage for admin since they don't have to scan through thousands of records in the database or spend their valuable time in writing query to retrieve the records of those who have updated their information, the system does it all for the admin. The admin also have the privilege of selecting the type of report to be viewed. The system is capable of generating weekly, batch wise, role based, gender based and location based report.

Apart from communication and admin report, the system also allows users to create events. The upcoming events would be displayed in the home page, thus the user would be reminded of the events to be happening so that they would not miss out any important event.

II. IMPLEMENTATION

2.1 Web Application

This concept is implemented as a web application so that it targets a wide range of users where the user can access the system from anywhere and at anytime through internet. The implementation is done in such a way that it reduces load on the administrator's side in maintaining the updates made by the users.
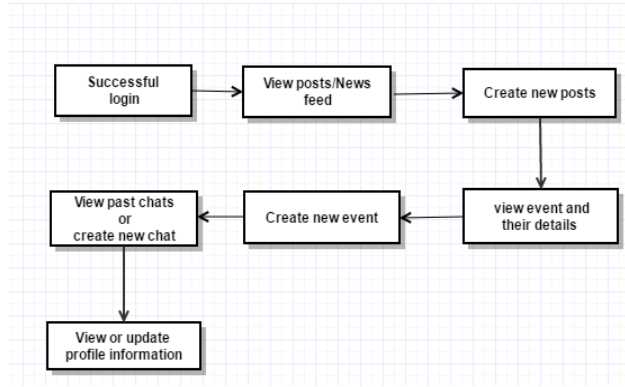
2.2 Notifications and Databases

The notifications are sent to the user and the admin via email. Email notification is sent to the user whenever a new chat message is received. The database tool used for the application is MySQL5.5 which is connected to the web application using Java Server Page (JSP) scripts.
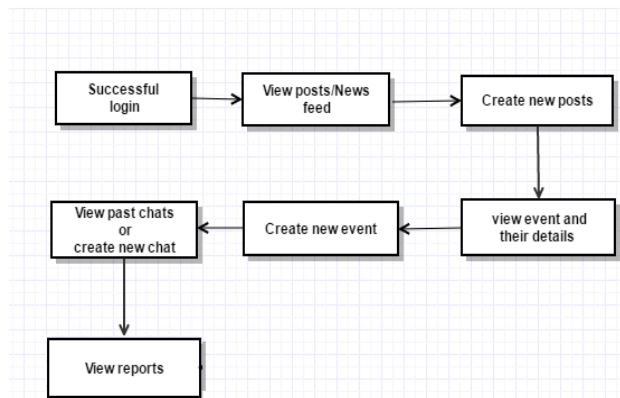
III. WORKFLOW

Workflow is the start-to-finish process from the service request registering to the service request closing. The flow of this project begins with the user successfully logging into the system can view the news feeds page and from there the user can navigate to profile page, chats page and create events page. Admin views the weekly report which states the information of the user who have made update to their profile in the past week.

3.1 Workflow Diagram

The general workflow for an user is as follows:

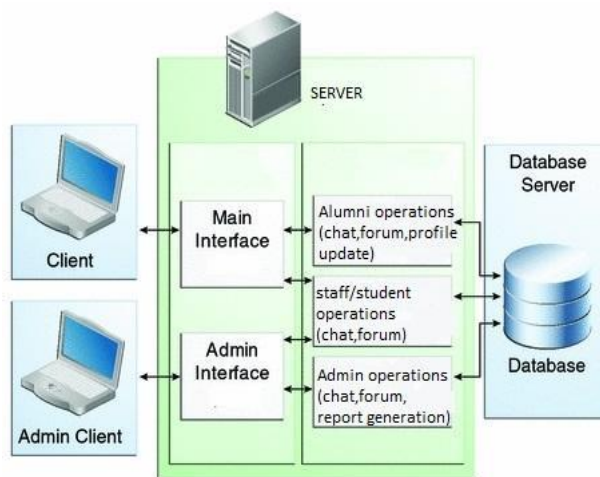The general workflow for an admin is as follows:

3.2 Important features

- Different report generation for the admin to conveniently view the changes made to the user profile.
- Enable public communication through forums and private communication through chats.
- Event reminders for the users, so that, they don't miss out any important events.
- Easy profile update feature for the users to keep their data up to date.

IV.   ARCHITECTURE

4.1 Diagram

4.2 Report Generation

Report generation is the most important aspect in this system where the reports can be generated based on role, location, gender and batch wise. The following information about the user is displayed in the report:

- Roll No
- Username
- email
- location
- role
- organization name
- branch
- batch

V.   Conclusion

The alumni data management process that includes receiving user information and enabling easy communication between the alumni and the institution, it provides more benefits to the administrator in fetching the user data than the existing applications. It mainly focuses on managing time efficiently and providing better service to the users, thereby managing time effectively and efficiently.

VI.   Acknowledgements

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[3] International Journal for Research in Applied Science & Engineering Technology (IJRASET) ©IJRASET 2015: www.ijraset.com -Volume 3 Issue VIII, August 2015 IC Value: 13.98 ISSN: 2321-9653All Rights are Reserved 301 KIOT "Alumni Web Portal Management and Maintenance System Using PHP" Mr.S.S.Aravinth1, Mrs.A.Priyadharshini2, Ms.S.Sowmya3, Mr.E.Arun4, Mr.B.Balaji5-1,2Assistant Professor, CSE Department, 3,4,5III Year - CSE Knowledge Institute of Technology, Salem.

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