

Alumni Social Networking Site

Eileen Mona¹, Hari Ranjani M¹, Sowmya V¹, Mrs. S. Sivakumari²

¹Department of Computer Science and Engineering, School of Engineering, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, Tamil Nadu, India

²Professor & Head, Department of Computer Science and Engineering, School of Engineering, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, Tamil Nadu, India

ABSTRACT

Article Info

Volume 7, Issue 3

Page Number: 467-472

Publication Issue :

May-June-2021

Article History

Accepted : 04 June 2021

Published: 05 June 2021

A social networking site is an online platform that allows users to create a public profile and interact with other users. In this constantly updating world, there's a need of a network that helps the institution to keep track of their alumnae and vice versa. And also, there might be a need of a friendly guidance to the students regarding their career. The main objective of this project is to build an alumni website and social networking site that establishes a link between the present students and the alumnae of the institute. This helps the institution keep a record of their old students. Also, it does not have much staff involvement and thus, will cleanly act as a bridge between the alumnae and the present students. This website provides a user-friendly interface that facilitates the user to understand the working of the site easily. The user will be able to register or sign up and log in to their timelines and interact with other users. The user can share ideas, digital photos and videos, posts, personally chat, and inform others about online or real-world activities and events.

Keywords: Alumni Data, Social Networking, Alumni Networks, Alumni Management System.

I. INTRODUCTION

Every year a great number of students pass out from each institution, and the institution needs to stay in touch with those students as they represent the institution and become direct or indirect real-time marketers of the institution.

All the institution treasures their alumni students and tries to stay in touch with them. As a result, most of the institution tries various methods to keep the track of their alumnae. This is also one of the methods which would help the institution to hold on to the alumni's present professional status. Present students of the institution will also be allowed to hold an account/ID on this site.

As this system has both alumnae and present graduating students, it would benefit both types of users to expand their professional network among known people. Alumni students will be updated with all the happenings of the institutions through this site's announcement column. Presents students will have the great opportunity of directly contacting their seniors who already have professional experience in their fields. In simple, this site acts as a bridge between present students and alumnae of the institution. Alumni social networking site wouldn't have staff involvement unless they themselves are alumnae of the institution and the present students' account/ID in this site would automatically be updated by the system/admin into alumni account/ID once the student graduates from the institution.

II. EXISTING SYSTEM

The existing system of alumni management system has a registration facility that connects the alumna to the staff in charge of the alumni association activities. It provides the user with a registration form, later they can log in and update their personal and occupational details. Through this, the Institute has a track on their alumnae. But this system does not have the complete details of their alumnae. The system also has an alumni feedback form which helps in collecting feedback from the users and upgrading the system accordingly. But, this kind of website cannot be a bridge between the alumna and the present students of the Institution.

III. PROPOSED SYSTEM

Nowadays, social networking sites are widely used by all people. It provides a more efficient and convenient way of interaction. Our proposed system of alumni management is also a social networking site, that enables the user to share any kind of information then and there with other users. It does not have much staff involvement and thus, will cleanly act as a bridge

between the alumna and the present students. We get the users' basic information using a registration form and later provide them with their login credentials. They can log in to the site and further start interacting with other alumnae or present studying students of the Institution.

IV. ADVANTAGES OF THE PROPOSED SYSTEM

- This management system provides a network that connects alumnae and present students of the Institute at a single point allowing them to interact, share ideas, and other information.
- This system helps both alumnae and present students in their professional network.
- The system is an application for managing and accessing Alumni information regularly.
- This also gives information about the current events held in the organization to the alumni.

V. LIST OF MODULES

1. Frontend Flow Diagram Description

1.1 Module 1 – Home Page.

This module has various sub-modules that display login and sign-up options, information about the site, the purpose of the website, who is allowed to use it, and how to use it. Announcements of various upcoming and important news about the institution and recent achievements of the institution, alumni, and present students are also displayed. A link that takes the user to the website of the institution is also included.

1.2 Module 2 - User registration and login

1.2.1 User registration

- The registration process for the user is very simple, the user has to fill the details in the registration form and once the data is filled, it will be saved in the database. Login credentials will also be created

by the users themselves.

- Once after present student’s graduation, their details in the database are updated as alumni and others.
- Professional details (if provided by the user) are filled in.

1.2.2 User login

Users can log in just by entering the login credentials created by them during the registration process.

Forgot password:

If the user forgot the login credentials they can use this feature to recreate their password. The system will use the mail ID provided by the user to send the password reset link. The password is updated in the database.

1.3 Module 3 – Dashboard

Dashboard is a place where the user will have features to maintain their account. It includes a profile picture option where the user will be able to change or remove their account profile picture. The user can also view the list of people the user is following and others who are following the user.

1.4 Module 4 – Timeline

1.4.1 Post

Like all other social networking sites, the user can upload any post related to career opportunities, internships, technical information, and so on, but can’t post any personal things.

1.4.2 Like and comment

This feature allows the user to like the post and express their opinion on it through comments.

1.5 Module 5 - Personal chat

- Personal chat is a very important feature as this helps to bridge the gap between other websites and a social networking site.

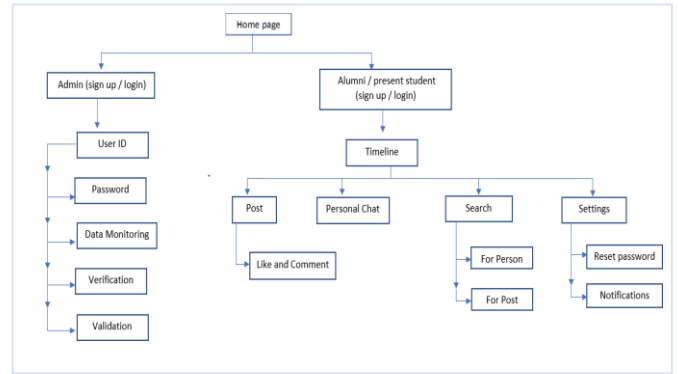


Fig. 1 Frontend Flow

- A personal network can be developed among students of various batches.
- The socket is established between two users who want to interact with each other through text messages.
- This is done mainly using the socket.io module of node.js.
- The personal chat will be end to end encrypted.

1.6 Module 6 – Search

1.6.1 For people

The user can search for other users by typing their names in the search bar.

1.6.2 For post

Users can search any post with the help of keywords. The user will be displayed with multiple posts from the database.

1.7 Module 7 – Settings

1.7.1 Notification settings

- The user can turn on/off the notification indicator according to their convenience.
- If the user turns on notification settings, the user will receive a notification whenever other users like/comment on their posts. And also users will be notified whenever they receive a message from other users.

1.7.2 Reset password

- Whenever the user feels like changing their login password, reset password settings can be used.
- Once the user reset their password, it is updated in the database for further login validations.

2. Backend Flow Diagram Description

2.1 Module 8 - New registration

- Whenever the new user undergoes the registration process all the information provided by them will be saved in the database.
- And the login credentials given by the users during registration process will also be saved in the database.

2.2 Module 9 - Updating data

Once the user log in to their account, they will be allowed to change their login credentials and update other data and in that case the changes done will be updated in the database.

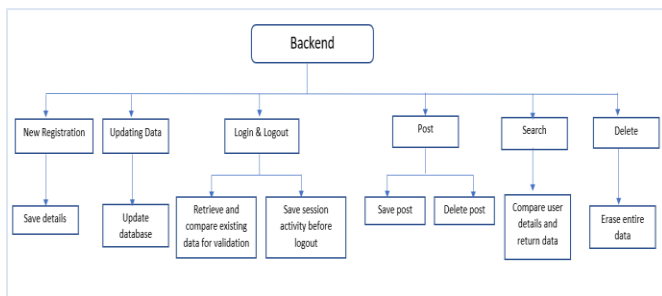


Fig. 2 Backend Flow

2.3 Module 10 – Log in and Log out

- When the user undergoes the login process by entering the login credentials, the details will be retrieved from data base and the existing data will be compared for validation.
- Cookies are used to handle the logging in and logging out session of users.

- The data processed during a particular login session is again stored in the database before logging out.
- Cookies here are used as temporary storage to handle HTTP modules.

2.4 Module 11 – Post

Whenever the user uploads a new post to their account, that post will be updated in the database. If the user deletes the existing post from their account, that will also be updated in the database.

2.5 Module 12 – Search

- The details given or entered in the search bar are compared to the database.
- After comparing the details, the matched details are displayed to the user.
- If there is no similar data found in the database, the users are displayed with a “NOT FOUND” message.

2.6 Module 13 – Delete account

Deleting an account and its data can be done only by the root user (admin) and it is done to secure the alumni data.

VI. SCREENSHOTS



Fig. 3 Home Page

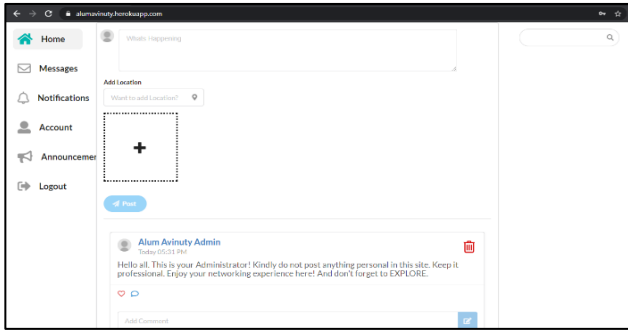


Fig. 4 Timeline

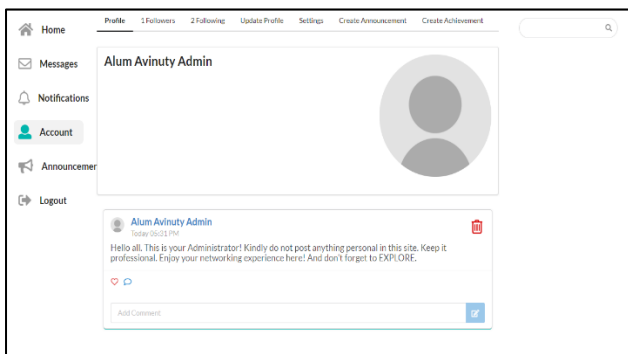


Fig. 5 Dashboard

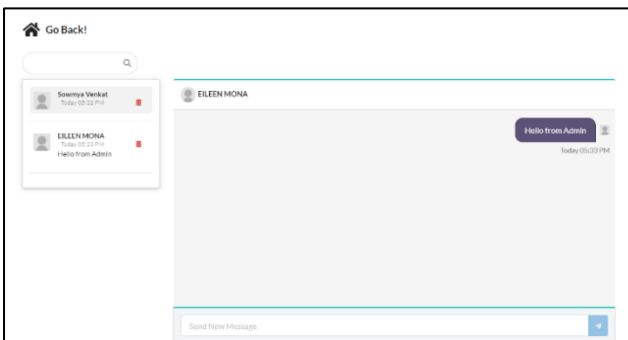


Fig. 6 Personal Chat

VI. CONCLUSION

Nowadays, Social networking sites are widely used by all people. It provides a more efficient and convenient way of interaction. Thus, our proposed system of alumni management is also a social networking site, that enables the user to share any kind of information then and there with other users. It helps to maintain the alumni directory up-to-date, build an online community for alumni and present

students to network, communicate, provide mentorship opportunities for students, job boards for both alumni and graduate students, and serve as an epitome of the kind of people that the institution brings up.

VII. FUTURE WORK

As future scope we can add location settings and provide users with an option to share their location to other users; connect with Gmail and LinkedIn APIs for easier signing up and Logging in. Options to save other users' posts for reference, can be implemented. Events to be held in future can be linked to users' calendar for easy reminders. Finally, a mobile application can also be developed for this website that would come handy to the users

VIII. REFERENCES

- [1]. Mukherjee, A., Adrita Roy, Manish Kumar Lath, A. Ghosal, and Diganta Sengupta. "Centralized Alumni Management System (CAMS) - A Prototype Proposal.", Amity International Conference on Artificial Intelligence (AICAI) (2019)
- [2]. Tarun Kumar, YeeshuPrateek, Prajwal Atharga, Dr. Rajashekarappa, Prof. V. K. Parvati, "Alumni Database Management System", INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT) NCRACES – 2019 (Volume 7, Issue 10).
- [3]. Chaitanya Patil, Niraj Patil, Kunal Kapse, Neha Joshi, Shekhar Chavan, "Alumni Interactive System Using Mining", IJESC 2017(Volume 7, Issue 11)
- [4]. Debao Dai and Yusen Lan, "The Alumni Information Management Model Based on Internet +", Proceedings of the 7th International Conference on Education, Management,

Information and Mechanical Engineering (EMIM 2017).

- [5]. Ahmad, A. R., Jameel, A. S., & Raewf, M. B., "Impact of Social Networking and Technology on Knowledge Sharing among Undergraduate Students", International Business Education Journal (2021).
- [6]. Matthew N. O. Sadiku, Adedamola A. Omotoso, Sarhan M. Musa "Social Networking", International Journal of Trend in Scientific Research and Development (IJTSRD), April 2019, ISSN: 2456- 6470, Volume-3 | Issue-3.

Cite this article as :

Eileen Mona, Hari Ranjani M, Sowmya V, Mrs. S. Sivakumari, "Alumni Social Networking Site", International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), ISSN : 2456-3307, Volume 7 Issue 3, pp. 467-472, May-June 2021.
Journal URL : <https://ijsrcseit.com/CSEIT2173104>