

# Web Development – Alumni Management System for Strengthening Connections and Streamline Database

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**ABSTRACT** - The system benefits institutions, alumni coordinators, and graduating alumni students. The alumni coordinator can add information about previous students using the software system. The personal information of past pupils is viewable, editable, and updated. The alumni receive the link via the mail from the administrator to update their personal information. Alumni can use the URL provided by the administration to update their current information. The graduates receive birthday greetings from the administrator. Alumni are able to publish job offers and course offerings from their present employer. Via the alumni website, the student can view the uploaded information and updates

## INTRODUCTION

PHP and My SQL Database are used in the development of the student alumni administration system. For system login, alumni have their own username and password, which is managed by the alumni coordinator. Every student has a unique account and password to view the alumni details. The alumni coordinator can now upload the details of graduated students and verify their current employment status to this new system. This new system helps alumni to upload their details through the email remained by the administrator. The administrator sends the birthday wishes to the alumni by collected data of birth data. The current pursuing student can able to search the particular company wise profile on the alumni pages. To remain in touch, see the most recent information on an alumni page, and interact with other alumni, check in as a student using your credentials. Fill out the Alumni Registration Form to become a member of our network, discuss your accomplishments, job offers from your place of employment, availability of free courses, easily get touch with former classmates. After completing their registration, coordinators log in to the designated page to supervise and assist alumni engagement within designated departments, guaranteeing smooth communication and cooperation and updating alumni details. They also send birthday greetings to alumni and email links for future updates when necessary

## 2. FRONT END

### 2.1 HTML

The standard markup language for building websites and web applications is called Hypertext Markup Language, or HTML. Together with JavaScript and cascading style sheets (CSS) it forms the basics of web technology, web browsers acquire .HTML documents from local storage or a server, and creates multimedia webpages out of the data. A web page's structure is described in HTML. semantically and initially contained hints for the document's presentation. The key components of an HTML page are HTML elements. Images and other objects, including interactive forms, can be embedded into the created page using HTML structures. By expressing structural semantics for text elements like headers, paragraphs, lists, links, quotations, and other objects, HTML offers a way for creating structured texts.

### 2.2 CSS

The style sheets language used to express how a page produced in a markup language like HTML looks is called Cascading Style Sheet (CSS). A key element of the world wide web, CSS is used in conjunction with HTML JavaScript. The objective of CSS is to make it possible to separate looks from content, including design, color, and font. This section can offer greater flexibility and improve content accessibility. And control in the presentation characteristics definition, allowing multiple web pages to share formatting by defining the pertinent CSS in a different CSS file, and decreasing the structural content's complexity and repetition.

## 2.3 JAVASCRIPT

JavaScript is a reactive programming language utilized by computers. It usually appears in web pages whose implementations permit client-side scripts to create dynamic pages and interact with the user. It is lightweight. It is an object-oriented programming language that may be interpreted.

## 3. BACK END

### 3.1 PHP

The following is taken directly from PHP's the main page: "PHP is an HTML embedded programming language. Its syntax is largely derived from C, Java, and Perl, with a few unique characteristics peculiar to PHP thrown in. The language's purpose is to allow it easy for web developers to quickly create dynamically generated pages. In general, this definition of PHP is accurate. It does, however, include a few pieces of terminology that you may not be aware with acclimated to. PHP can also be thought of as a potent, invisible scripting language used behind the scenes that your visitors won't see! The PHP code is processed by the web server when a visitor visits your PHP webpage. Upon identifying which components (text and images) it needs to show to visitors and suppressing the rest (file actions, computations in mathematics, etc.,) it converts your PHP code into HTML. Your guests web browser obtains the webpage once it has been translated into HTML.

### 3.2 MY SQL

MYSQL is an Oracle-developed relational database management system (RDBMS) build on structured query language (SQL). A organized collection of information is called a database. It might be everything from an easy shopping list to an image gallery or a location to store the huge amounts of information found on the company's network.

## 4. LITERATURE REVIEW

The following chapters give an overview of the various methodologies used by various authors for Alumni Management System for Strengthening Connections and Streamline Database.

### 4.1 Centralized Alumni Management System-A prototype Proposal

Author: Aritra Mukherjee; Adrita Roy;

Published In:2019 Amity International Conference on Artificial Intelligence (AICAI)

The prototype of the Integrated Alumni Management System seeks to improve engagement and communication between the institute and its alumni. This technology promotes a strong network by facilitating easy event planning, career guidance, and knowledge sharing. The plan seeks to increase university pride, foster collaboration, and advance the institute's overall goals through alumni involvement by offering a central platform for alumni contacts.

### 4.3Customized Alumni Portal implementing Natural Language Processing Techniques

Authors: Ashmi Achu Shinu; V. Keerthi;

Published In:2019 International Conference on Intelligent Computing and Control Systems (ICCS)

Personalized and easy-to-use communication is the goal of the Customized Alumni Portal that uses the latest Natural Language Processing Techniques to transform alumni relationships. Through the use of NLP, the portal improves user experience, making it easier for alumni to interact, exchange experiences, and look for specialized job advice. Through the use of alumni data and a dynamic and flexible platform, this creative approach allows the institute to continuously improve its offers and encourage meaningful participation. Creating a state-of-the-art alumni ecosystem that accommodates personal preferences and promotes a strong feeling of connection and cooperation is the ultimate goal.

## 5. MODULE EXPLANATION

### 5.1 STUDENT LOGIN

To remain in touch, get the most current data on alumni profiles, and engage with other alumni, login as a student utilizing your login credentials.

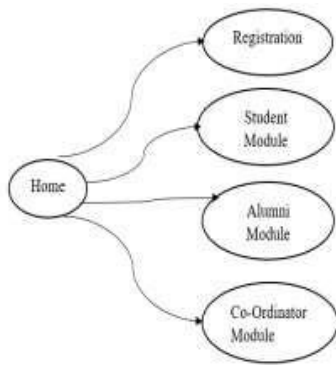
### 5.2 ALUMNI LOGIN

Fill out the alumni registration form to become a member of our network, discuss your achievements, job offers, and availability-free courses, and effortlessly keep in touch with old classmates.

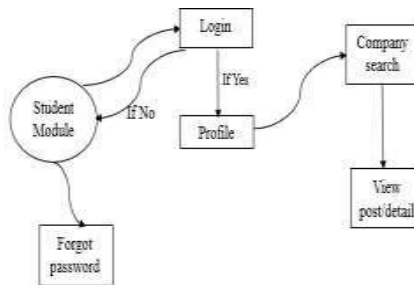
### 5.3 COORDINATOR LOGIN

After completing their registration, coordinators login to the chosen page to oversee and support with alumni engagement within designated departments. They also make sure that communication and collaboration are effortless, update alumni knowledge, wish alumni happy birthday, and send links via email for future updates as needed.

## 6. DATA FLOW DIAGRAM LEVEL 0

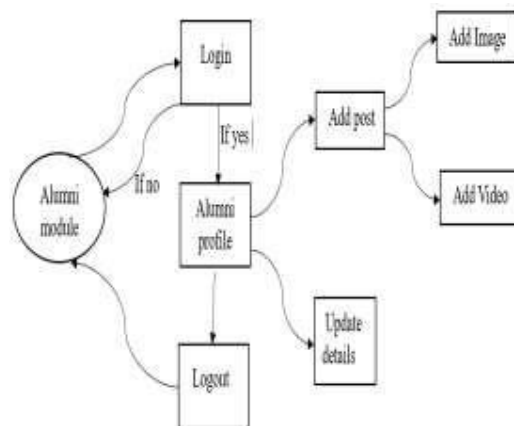
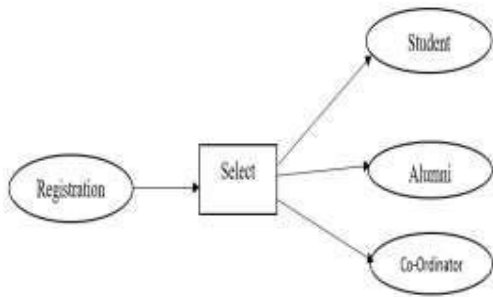


LEVEL 1

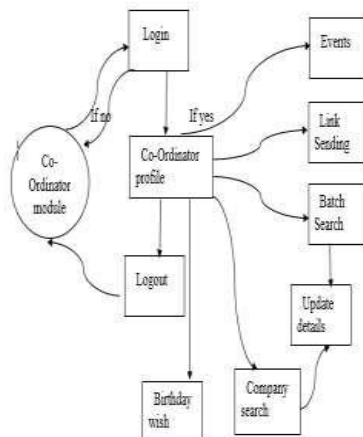


LEVEL 2

LEVEL 3



## LEVEL 4



## CONTRIBUTION

1. Establish a Strong Alumni Management System that guarantees effective Alumni Information Structuring and Storage, making it simple to access and analyze it for tactical decision-making
2. For 2019 Williams, M., and Brown, K. "A Case Study of Putting in Place a Sturdy Alumni Management System: Strategies for Alumni Engagement." *International Journal of Educational Technology*, 15(2), 134–149.
3. Encouraging continued involvement with the institution by providing contact, Networking, and event participation.

## CONCLUSION

Students can stay connected with their peers, alumni, and updated profiles by logging into the platform. Alumni can also reconnect with former classmates by submitting a brief registration form and sharing their achievements and job opportunities. Coordinators use the platform to oversee and assist with alumni interaction, ensuring good academic communication and teamwork. They offer birthday greetings, keep track of alumni information, and use links in emails for future updates. By streamlining communication, the platform creates a sense of community and makes it easy for coordinators, alumni, and students to stay connected.

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