



**INSTITUTE FOR ADVANCED COMPUTING AND
SOFTWARE DEVELOPMENT AKURDI, PUNE**

Documentation On

**“ALUMNI INFORMATION MANAGEMENT
SYSTEM”**

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Submitted By

Group No: 41

Roll No.

1048

1052

Name:

Dhanshri Arun Durge

Neha Prakash Dongare

Mr. Prashant Karhale

Centre Coordinator

Mr. Kashinath Patil

Project Guide

ABSTRACT

The main aim of the project is to build an interaction between alumni, admin and the students; a system that will be able to manage alumni data of a college and provide easy access to the same. The alumni will also be interested to maintain relations with their institutions. The alumni and the student can communicate only through the admin permission. A system that will be able to manage alumni data of a college and provide easy access to the system. Access to the system can help them in building connections to their projects or for placements. The system will automatically list all Alumni information (name, passing year, company currently working in, contact number) and their status will be transferred from the student module to the alumni module.

ACKNOWLEDGEMENT

I take this occasion to thank God, almighty for blessing us with his grace and taking our endeavor to a successful culmination. I extend my sincere and heartfelt thanks to our esteemed guide, **Mr. Kashinath Patil** for providing me with the right guidance and advice at the crucial junctures and for showing me the right way. I extend my sincere thanks to our respected **Centre Co-Ordinator Mr. Prashant Karhale**, for allowing us to use the facilities available. I would like to thank the other faculty members also, at this occasion. Last but not the least, I would like to thank my friends and family for the support and encouragement they have given me during the course of our work.

Dhanshri Durge(1048)

Neha Dongare (1052)

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1. INTRODUCTION

The greatest asset any institution can have is the Alumni system. Alumni are the people who represent the institution in the real world. Alumni website is created for the students that have graduated from the institution. This is an online website that allows former students to take advantage of the benefits and services that an institution offers after graduation.

The alumni network is becoming important in the development of the institution because of their vast potential that benefits both the institution and the students. There are many benefits for being an alumni member of a college or institution. Some of these benefits are: keeping a person informed on the events that are organized by the institution, and when some important events are going to be held in the institution. Another benefit is that the information concerning a former student can easily be received and other members of the alumni community can be located without much stress.

1.1 PURPOSE

This document is meant to delineate the features of Alumni Information Management System, so as to serve as a guide to the developers on one hand and a software validation document for the prospective client on the other. The main aim of the project is to build an interaction between alumni, admin and the students, a system that will be able to manage alumni data of a college and provide easy access to the same. The alumni will also be interested to maintain relations with their institutions. The alumni and the student can communicate only through the admin permission. A system that will be able to manage alumni data of a college and provide easy access to the system. The administrator module will enable a system administrator to approve and reject requests of new register students and alumni. And maintain lists of student and alumni.

1.2 POBLEM STATEMENT

Nowadays, the education became one of the desired need of the people, but unfortunately what if the student is sincere but unaware about the current market status and the market requirement. This is the major problem with the students that they are unable to get more and more information about the surrounding "What is going on..?" The Problem occurred with the students at the time of career guidance, Project title selection, Internships, Domain related queries, any query related to the syllabus or something which is very new concept for them.

Because of the lack of knowledge the students decided on their own ways may be wrong or right. If luckily they get the desired goal then no issue but imagine what if they have selected something very wrong. After the wrong choice the thing which has been done is only the wastage of time. Always remember "Your golden advice can save others precious times."

The proposed architecture offers a solution to those problems. Problem can be solved by reducing the distance between the students with their alumni and the faculties so that they can get the correct guidance or the advice and can utilise their time in best way. The implemented Alumni Portal will provide the features for all the Alumni and the Students.

1.3 PROJECT SCOPE

It is not possible to develop a system that makes all the requirements of the user. User requirements keep changing as the system is being used. Some of the future enhancements that can be done to this system are:

- As the technology emerges, it is possible to upgrade the system and can be adaptable to desired environment.
- Because it is based on object-oriented design, any further changes can be easily adaptable.

- Based on the future security issues, security can be improved using emerging technologies.
- Attendance module can be added o sub admin module can be added
- Students also can see the campus interview details..

1.4 PROJECT OBJECTIVE

The main aim of the project is to build an interaction between alumni, admin and the students, a system that will be able to manage alumni data of a college and provide easy access to the same. The alumni will also be interested to maintain relations with their institutions. The alumni and the student can communicate only through the admin permission.

1.5 STUDY OF THE SYSTEM

1.5.1 MODULES:

The system after careful analysis has been identified to be presented with the following modules and roles.

The modules involved are:

- Administrator
- Student
- Alumni

1.5.1.1 Administrator:

The administrator is the super user of this application. Only admin have access into this admin page.

- The system will allow the administrator to select, add, delete,update students and alumni's.
- The system will allow the administrator to select "students, alumni's" and check their details.
- The system will allow administrators to select, add, delete,update events.
- The system will allow the administrator to view the list of students and alumni's

1.5.1.2 Student

- The system will allow the students to enter the Name, Email, Phone no, Password, PRN No, Branch etc.
- The system will allow the students see current and future events.

1.5.1.3 Alumni

- The system will allow the Alumni to enter the Name, Email, Phone no, Password etc.
- The system will allow the students see current and future events.

2. OVERALL DESCRIPTION

Overall description consists of background of the entire specific requirement. It also gives explanation about actor and function which is used. It gives explanation about architecture diagram and it also gives what we are assumed and dependencies. It also support specific requirement and also it support functional requirement, supplementary requirement other than actor which is used. It also gives index and appendices. It also gives explanation about any doubt and queries. Once a student graduates from the institute, his/her professional life or career begins, with higher education playing an important in establishing himself/herself in the profession. In respect of college, it has been our experience that from the very beginning, the alumni have maintained personal contact with one another, rather than use the channel of Alumni Association.

2.1 EXISTING SYSTEM

The Existing system is a computerized system but which is maintained at individual databases i.e in excels sheets, it's a time delay process. And maintaining all the records in Excel sheets is difficult. If they want any record they have to search all the records. It doesn't provide multiple user accessibility and also doesn't have different user privileges. So the system is not accessible for all the employees of the organization.

2.2 PROPOSED SYSTEM

The Proposed system is a computerized system but which is maintained at Centralized databases i.e. in automated forms it's a very fast process. And maintaining all the records in online systems database which makes it very easy to access and retrieve data from the database. If they want any record they can easily search all the records. It provides multiple user accessibility and also has different user privileges. So the system is accessible for all the employees of the organization.

3. REQUIREMENTS SPECIFICATION

3.1 INTERFACE REQUIREMENTS

Various interfaces for the product could be –

1. Login page
2. Registration form
3. There will be a screen displaying information about events organized by admin.

3.1.1 SOFTWARE INTERFACE

1. Operating System: Windows 7 ultimate which supports networking.
2. Java development toolkit.

3.1.2 HARDWARE INTERFACE

Hardware requirements for insurance on internet will be same for both parties which are as follows:

- Processor - Dual Core
- RAM - 2 GB
- Hard Disk – 320 GB
- NIC – For each party 4.3 Communication Interface

3.2 FUNCTIONAL REQUIREMENTS

This section provides requirement overview of the system. Various functional modules that can be implemented by the system will be- Description

3.2.1 Registration: If Students and Alumni wants to see the details about upcoming events organized by admin then he/she must be registered, unregistered user can't see the upcoming events details.

3.2.2 Login: Students logins to the system by entering valid user id and password for the seeing the events and job added by alumni and admin.

3.3.3 Logout: After seeing the job the student has to logout

3.3 NON-FUNCTIONAL REQUIREMENTS

Following non-functional requirements will be there in the insurance to the internet:

- (i) Secure access to consumer's confidential data.
- (ii) 24X7 availability.
- (iii) Better component design to get better performance at peak time.
- (iv) Flexible service-based architecture will be highly desirable for future extension.
- (v) Nonfunctional requirements define system properties and constraints.

Various other nonfunctional requirements are:

- Security
- Reliability
- Maintainability
- Portability
- Extensibility

IACSD

- Reusability
- Compatibility
- Resource Utilization

4. SYSTEM DIAGRAM

4.1 ACTIVITY DIAGRAM

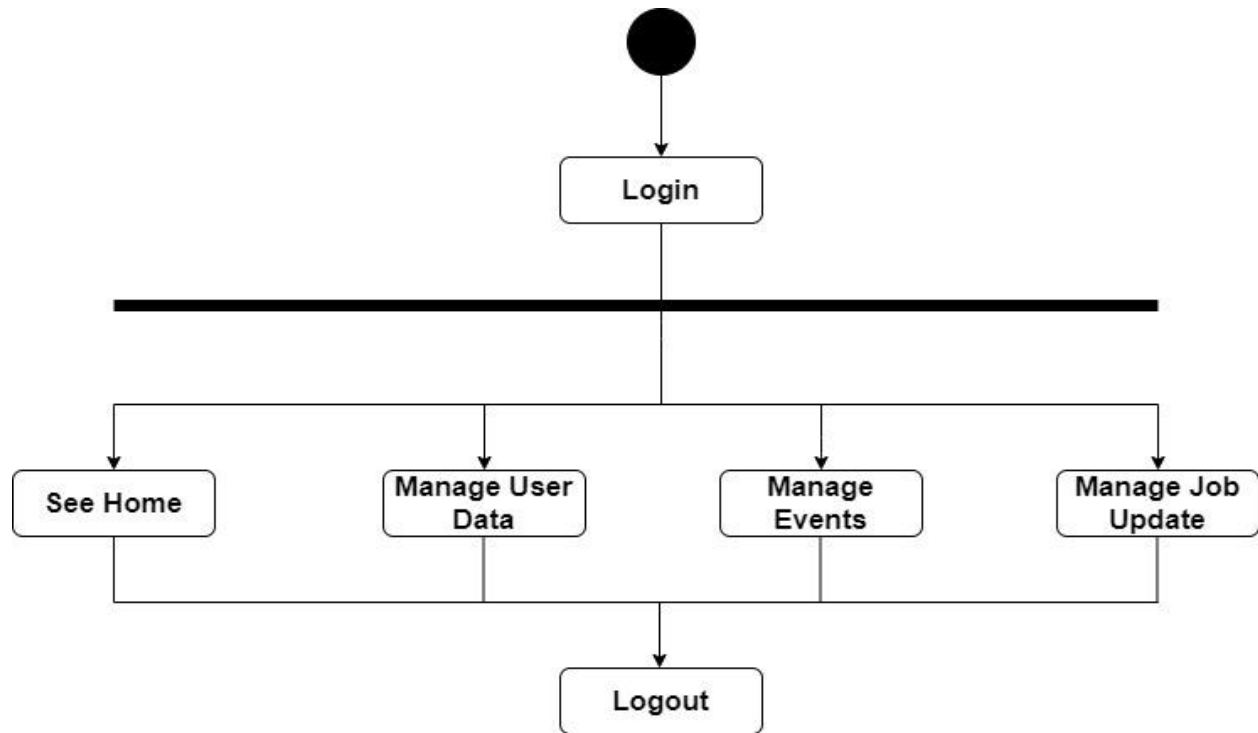


Fig.1: Admin Activity diagram

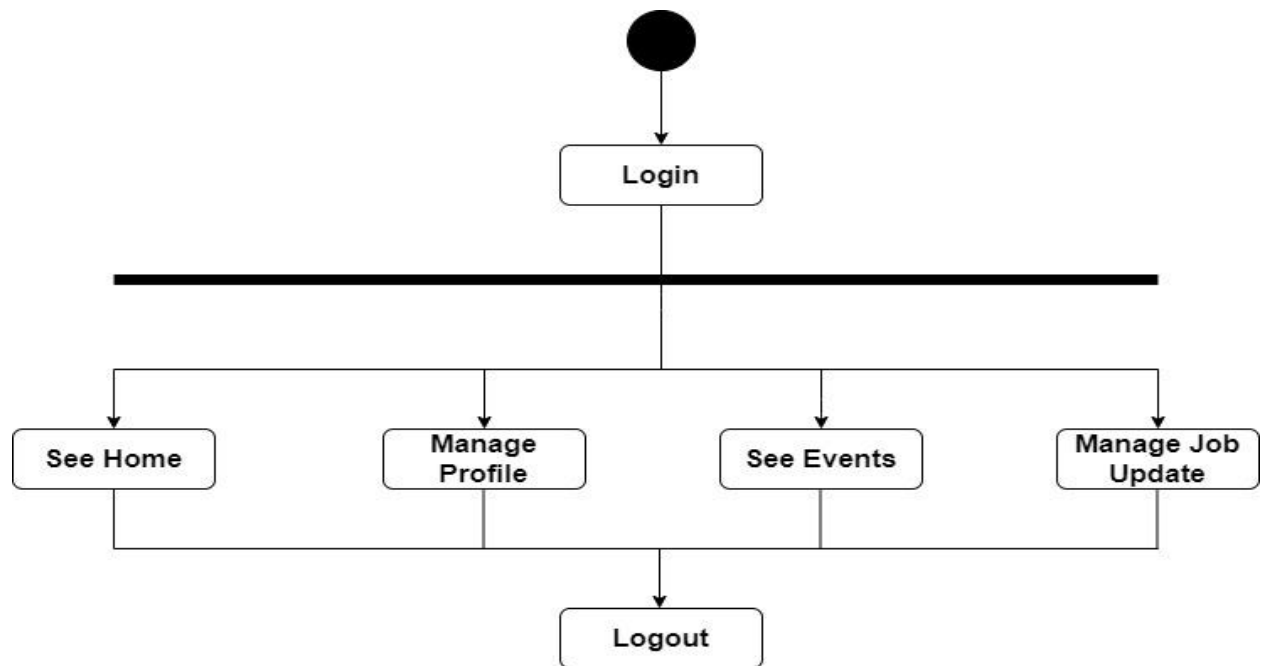


Fig.2: Alumni Activity diagram

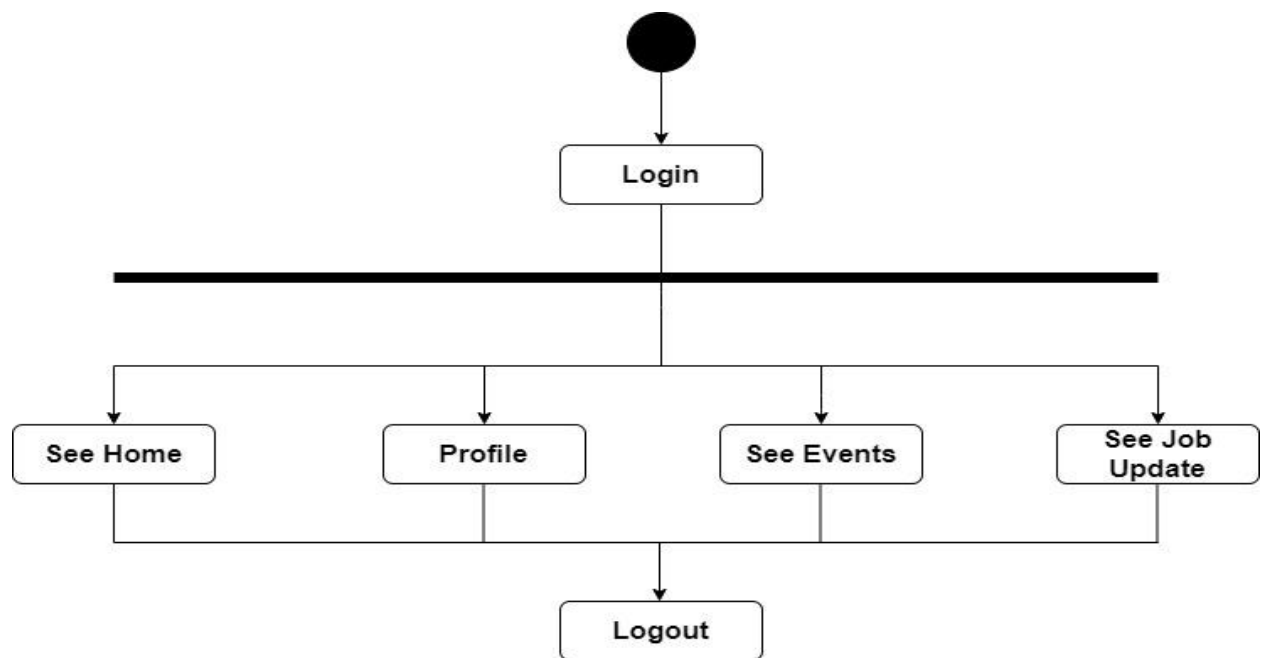


Fig.3: Student Activity diagram

4.2 DATA FLOW DIAGRAM

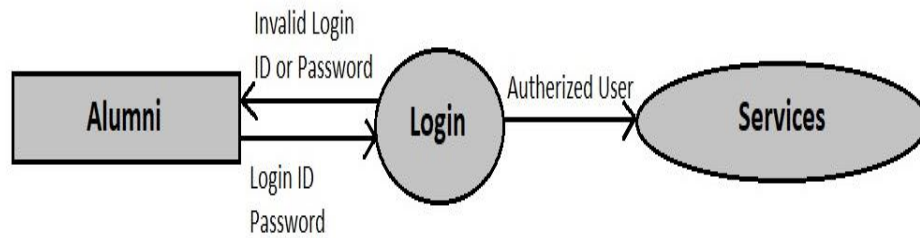


Fig.4: Alumni Dataflow diagram

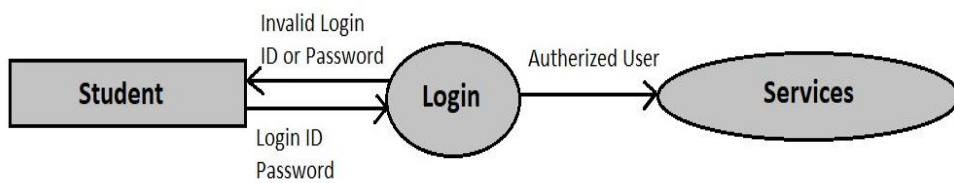


Fig.5: Student Dataflow diagram

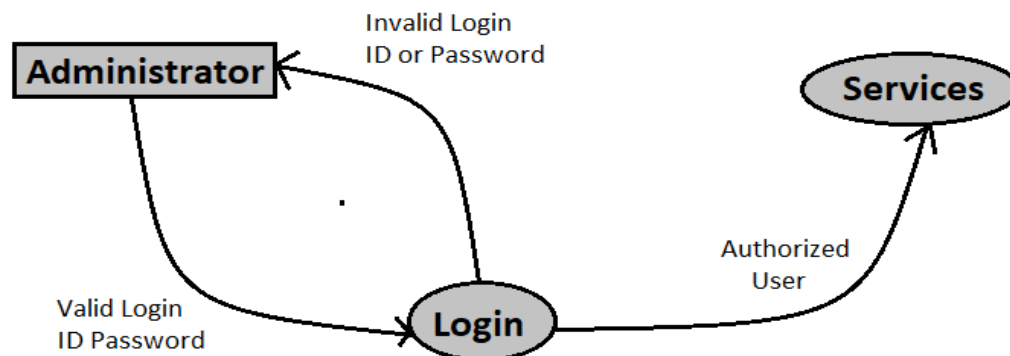


Fig.6: Admin Dataflow diagram

4.3 CLASS DIAGRAM

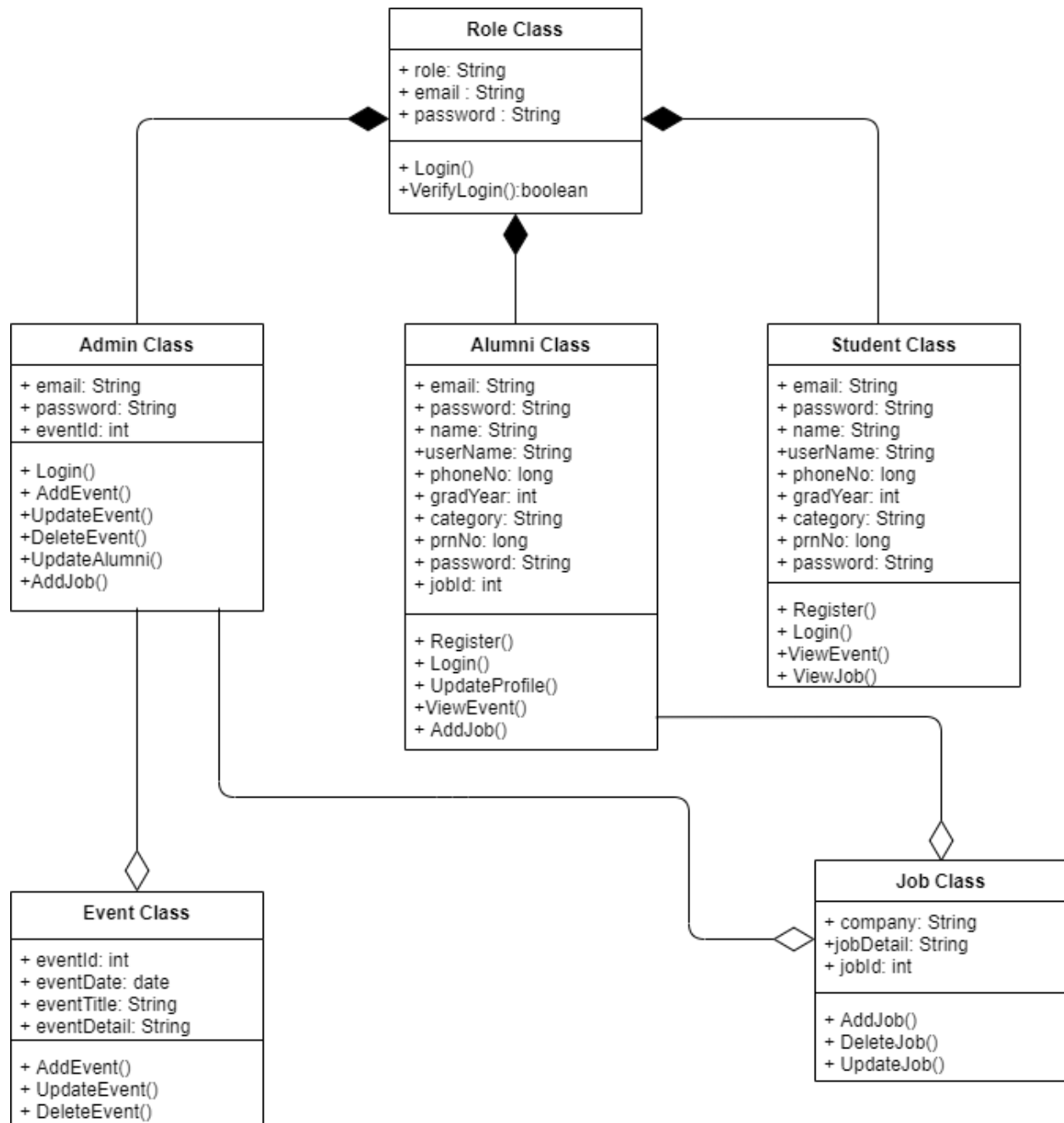


Fig.7: Class diagram

4.4 USE CASE DIAGRAM

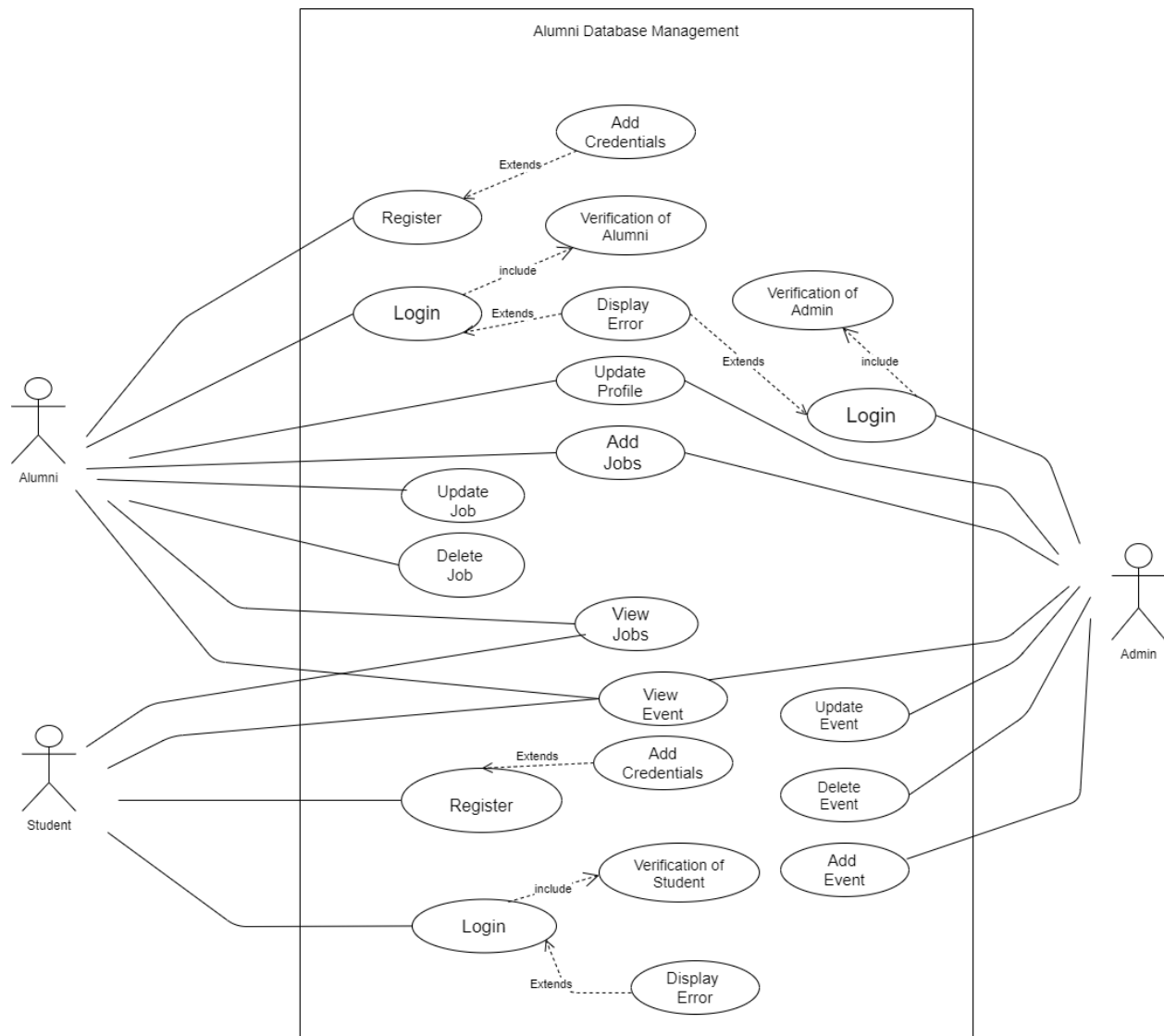


Fig.8: Use Case diagram

4.5 ER DIAGRAM

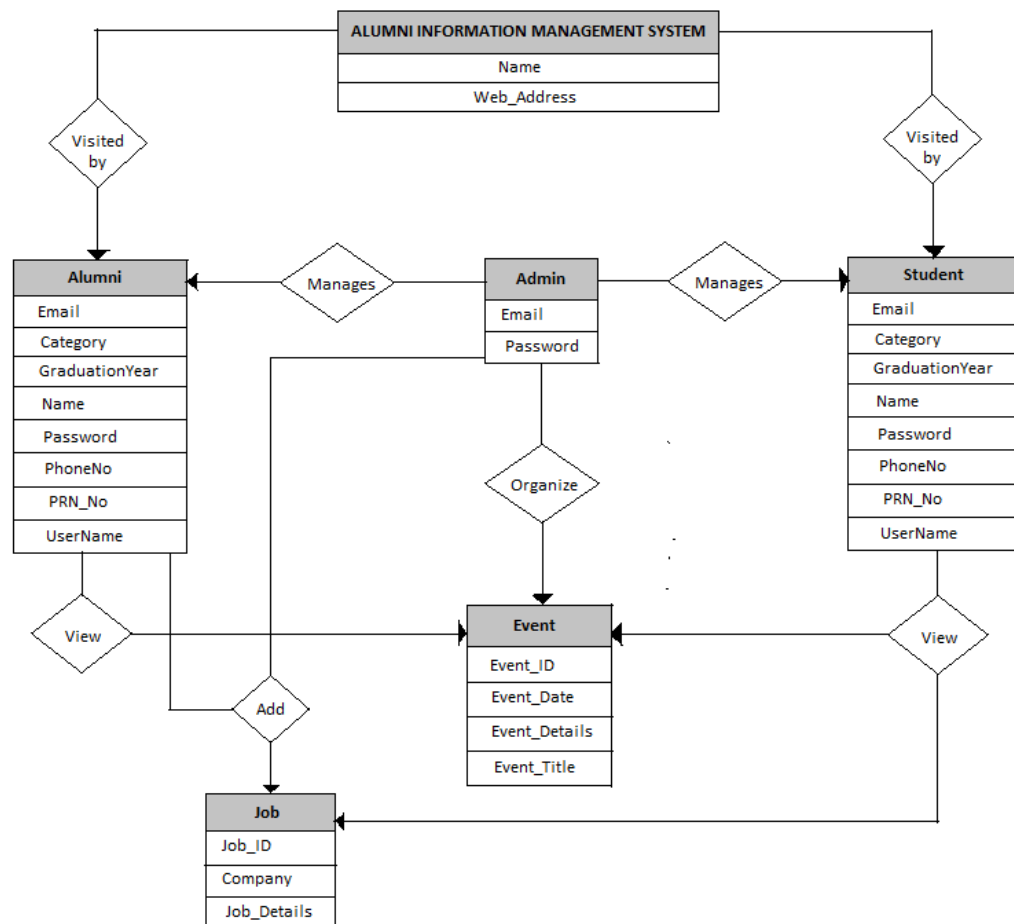


Fig.9: ER diagram

5. TABLE STRUCTURE

Tables:

```
mysql> show tables;
+-----+
| Tables_in_alumni |
+-----+
| alumndata         |
| eventdata         |
| studentdata       |
+-----+
3 rows in set (0.02 sec)
```

Student table

```
mysql> desc studentdata;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| email          | varchar(255)  | NO   | PRI | NULL    |       |
| category       | varchar(255)  | YES  |     | NULL    |       |
| graduationYear | int           | NO   |     | NULL    |       |
| name           | varchar(255)  | YES  |     | NULL    |       |
| password       | varchar(255)  | YES  |     | NULL    |       |
| phoneno        | bigint        | NO   |     | NULL    |       |
| prn_no         | bigint        | YES  | UNI | NULL    |       |
| uName          | varchar(255)  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.00 sec)
```

Event table

```
mysql> desc eventdata;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id             | int           | NO   | PRI | NULL    | auto_increment |
| event_date     | date          | YES  |     | NULL    |               |
| event_details  | varchar(255)  | YES  |     | NULL    |               |
| event_title    | varchar(255)  | YES  |     | NULL    |               |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

Alumni table

```
mysql> desc alumnidata;
```

Field	Type	Null	Key	Default	Extra
email	varchar(255)	NO	PRI	NULL	
category	varchar(255)	YES		NULL	
graduationYear	int	NO		NULL	
name	varchar(255)	YES		NULL	
password	varchar(255)	YES		NULL	
phoneno	bigint	NO		NULL	
prn_no	bigint	YES	UNI	NULL	
uName	varchar(255)	YES		NULL	

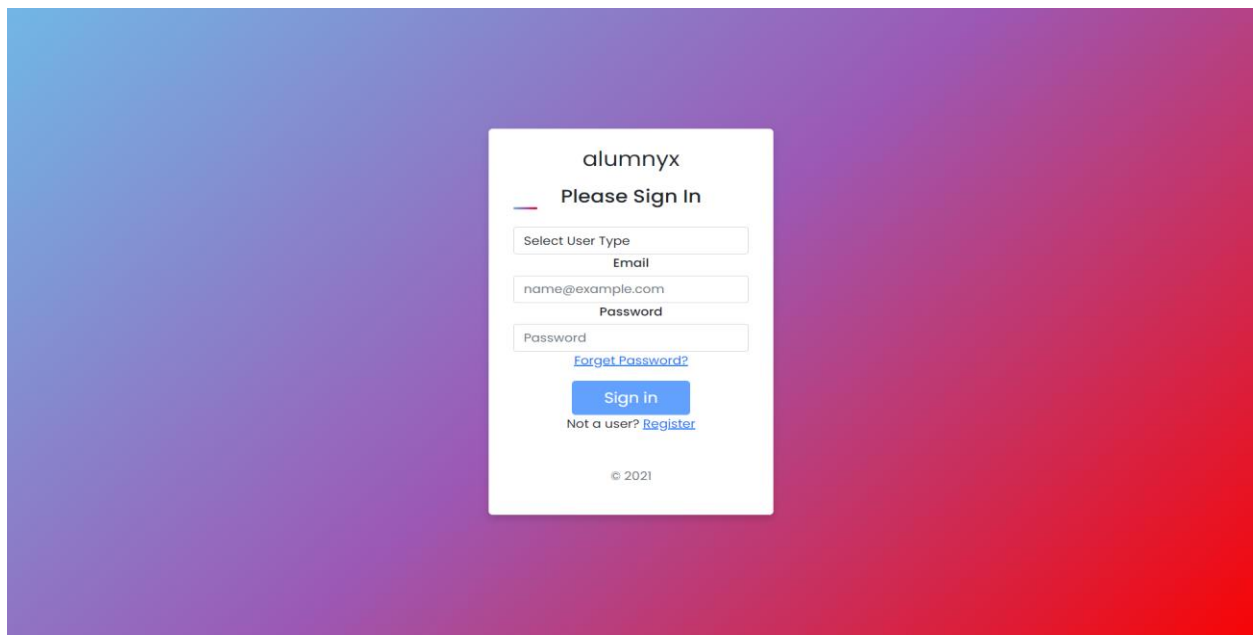
8 rows in set (0.01 sec)

6. PROJECT PHOTOS

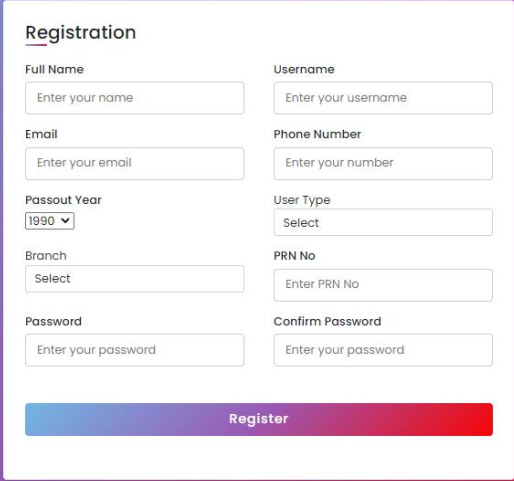
6.1 WELCOME PAGE



6.2 SIGN IN PAGE



6.3 REGISTRATION PAGE

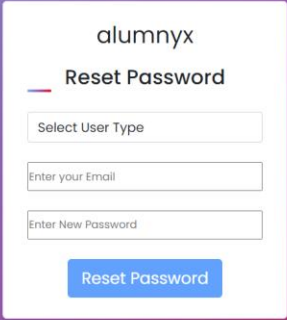


The registration form is titled "Registration" and is set against a background with a blue-to-red gradient. The form is organized into two columns. The left column contains fields for "Full Name", "Email", "Passout Year" (a dropdown menu currently showing "1990"), "Branch" (a dropdown menu currently showing "Select"), "Password", and "Confirm Password". The right column contains fields for "Username", "Phone Number", "User Type" (a dropdown menu currently showing "Select"), and "PRN No". Each field has a placeholder text indicating what to enter. At the bottom of the form is a large red button labeled "Register".

Field	Placeholder
Full Name	Enter your name
Username	Enter your username
Email	Enter your email
Phone Number	Enter your number
Passout Year	1990
User Type	Select
Branch	Select
PRN No	Enter PRN No
Password	Enter your password
Confirm Password	Enter your password

Register

6.4 FORGOT PASSWORD PAGE

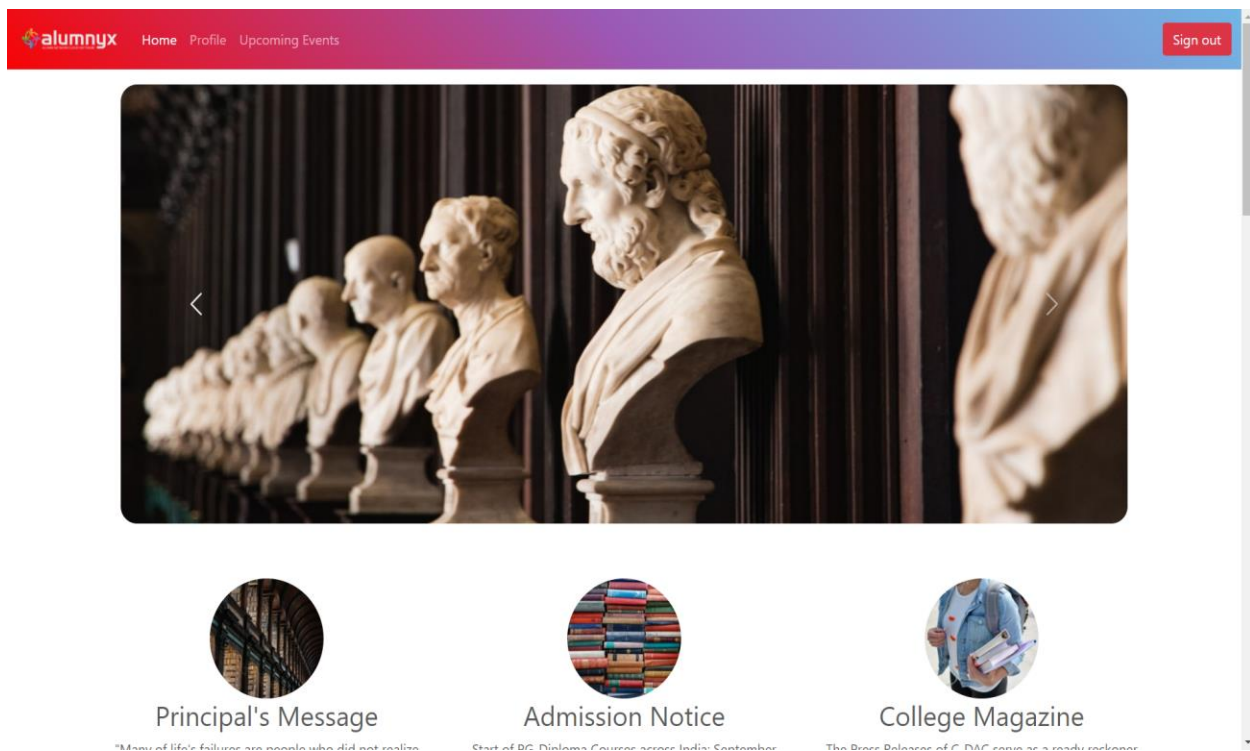


The "Reset Password" form is titled "alumnyx Reset Password" and is centered on the same blue-to-red gradient background. It contains three input fields: "Select User Type", "Enter your Email", and "Enter New Password". Below these fields is a blue button labeled "Reset Password".

Field	Placeholder
Select User Type	Select User Type
Enter your Email	Enter your Email
Enter New Password	Enter New Password

Reset Password

6.5 USER HOME PAGE



6.6 ALUMNI PROFILE PAGE

Profile Settings

Full Name
Demo Alumni

User Name
demo

PhoneNumber
9765162626


Branch
Software Technology


Email ID
demo@gmail.com

Passing Out Year
2020

PRN
210541281042

6.7 STUDENT PROFILE PAGE

 [Home](#) [Profile](#) [Upcoming Events](#) [Sign out](#)



Profile Settings

Full Name

Demo Student

User Name

demo

PhoneNumber

9765162626

Branch

Software Technology

Email ID

demo@gmail.com


Passing Out Year

2021

PRN


210541281042


6.8 SHOW EVENT PAGE


 [Home](#) [Profile](#) [Upcoming Events](#) [Sign out](#)

Id	Event Title	Event Details	Event Date
1	Demo Event	Demo Event	2021-09-24
2	Demo Event	Second demo event	2021-09-25
3	Demo Event	Third demo event	2021-09-30

6.9 ALUMNI HOME PAGE



[Home](#)
[Manage Alumni Data](#)
[Manage Student Data](#)
[Manage Events](#)
[Sign out](#)






Principal's Message

"Many of life's failures are people who did not realize"



Admission Notice


Start of PG Diploma Course across India: September



College Magazine

The Power Belongs of C-DAC came as a ready reckoner

6.10 MANAGE ALUMNI DATA PAGE


[Home](#)
[Manage Alumni Data](#)
[Manage Student Data](#)
[Manage Events](#)
[Sign out](#)

PRN	Name	Email	Phone No	Graduation Year	Branch	Edit Section	Delete Section
210541281042	Demo Alumni	demo@gmail.com	9765162626	2020	Software Technology	Edit	Delete

6.11 UPDATE ALUMNI PAGE

alumnix
Update Data

Full Name: Demo Alumni

Username: demo

Phone Number: 9765162626

Passout Year: 2020

Branch: Software Technology

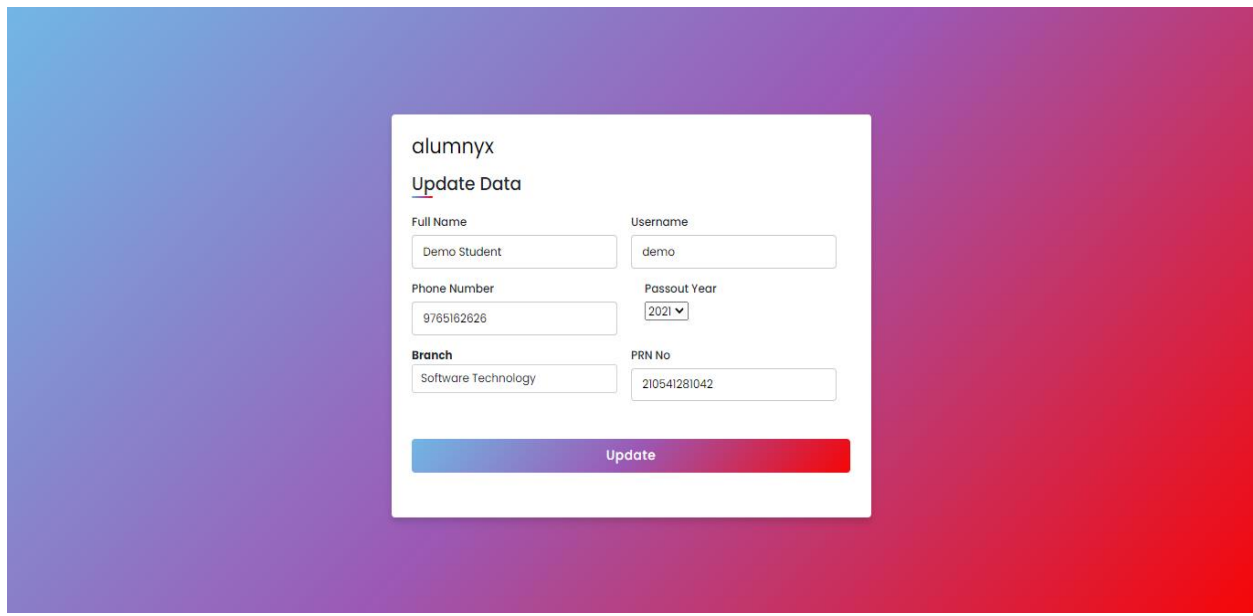
PRN No: 210541281042

Update

6.12 MANAGE STUDENT PAGE

alumnix Home Manage Alumni Data Manage Student Data Manage Events							Sign out
PRN	Name	Email	Phone No	Graduation Year	Branch	Edit Section	Delete Section
210541281042	Demo Student	demo@gmail.com	9765162626	2021	Software Technology	Edit	Delete

6.13 UPDATE STUDENT DATA PAGE



The screenshot shows a web form titled 'alumnyx' with the subtitle 'Update Data'. The form is set against a background with a blue-to-red gradient. It contains several input fields: 'Full Name' with the value 'Demo Student', 'Username' with the value 'demo', 'Phone Number' with the value '9765162626', 'Passout Year' with a dropdown menu showing '2021', 'Branch' with the value 'Software Technology', and 'PRN No' with the value '210541281042'. At the bottom of the form is a large, rounded rectangular button with a blue-to-red gradient and the text 'Update'.

alumnyx

Update Data

Full Name: Demo Student

Username: demo

Phone Number: 9765162626

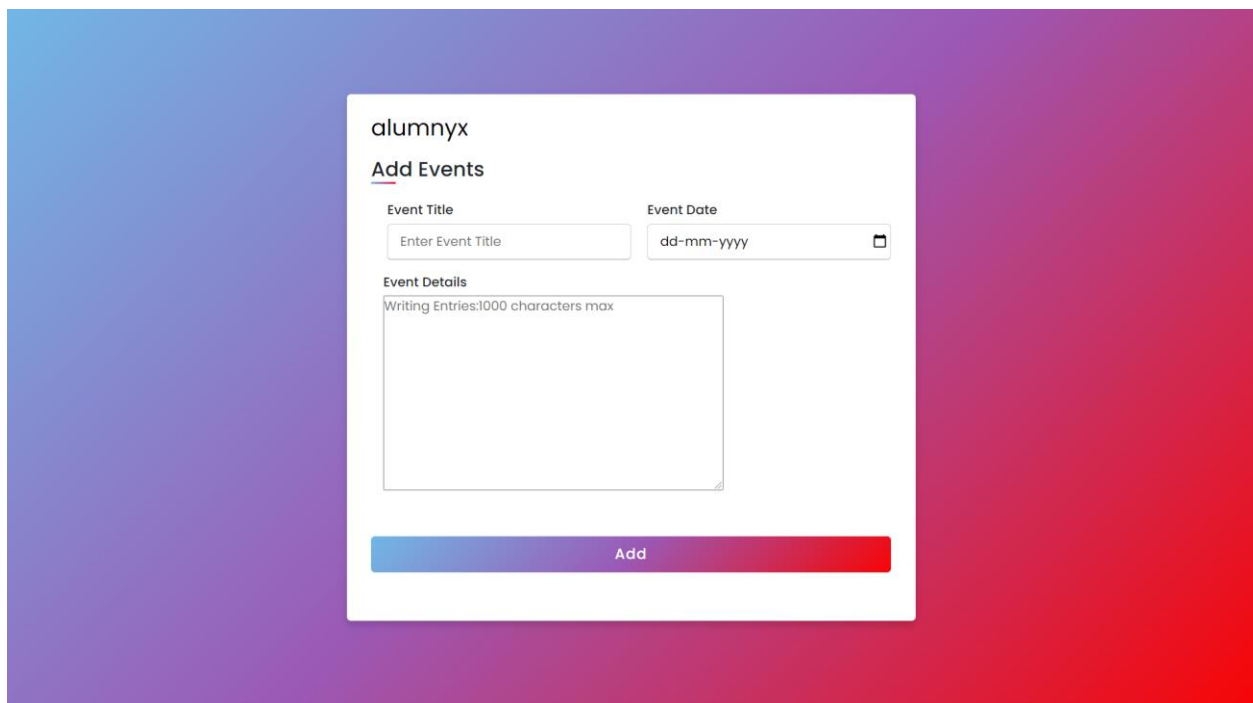
Passout Year: 2021

Branch: Software Technology

PRN No: 210541281042

Update

6.14 ADD EVENT PAGE



The screenshot shows a web form titled 'alumnyx' with the subtitle 'Add Events'. The form is set against a background with a blue-to-red gradient. It contains two input fields: 'Event Title' with the placeholder text 'Enter Event Title' and 'Event Date' with the placeholder text 'dd-mm-yyyy' and a calendar icon. Below these is a text area labeled 'Event Details' with the placeholder text 'Writing Entries:1000 characters max'. At the bottom of the form is a large, rounded rectangular button with a blue-to-red gradient and the text 'Add'.

alumnyx

Add Events

Event Title: Enter Event Title

Event Date: dd-mm-yyyy

Event Details: Writing Entries:1000 characters max

Add

6.15 MANAGE EVENT PAGE

The screenshot shows the 'Manage Event Page' in the 'alumnyx' application. The top navigation bar is a gradient of blue, purple, and red, containing the 'alumnyx' logo and links for 'Home', 'Manage Alumni Data', 'Manage Student Data', and 'Manage Events'. A 'Sign out' button is in the top right. Below the navigation bar is a blue 'Add Event' button. The main content area features a table with three columns: 'Id', 'Event Title', 'Event Details', 'Event Date', 'Edit Section', and 'Delete Section'. The table contains three rows of demo events.

Id	Event Title	Event Details	Event Date	Edit Section	Delete Section
1	Demo Event	Demo Event	2021-09-24	Edit	Delete
2	Demo Event	Second demo event	2021-09-25	Edit	Delete
3	Demo Event	Third demo event	2021-09-30	Edit	Delete

6.16 UPDATE EVENT PAGE

The screenshot shows the 'Update Events' form in the 'alumnyx' application. The form is titled 'Update Events' and includes fields for 'Event Title' (containing 'Demo Event'), 'Event Date' (containing '24-09-2021' with a calendar icon), and 'Event Details' (a text area containing 'Demo Event'). A large blue and red 'Update' button is at the bottom.

alumnyx

Update Events

Event Title: Demo Event

Event Date: 24-09-2021

Event Details: Demo Event

Update

7. CONCLUSION

So the Alumni Information Database is mainly used to share the views between the users of the application which is very useful to upgrade the knowledge of everyone. The application is also serve as a useful site to know what is going on in our in our college and can also know about the various opportunities of the outer world. The application can be further expanded by following the future Enhancements mentioned above. • Reduces manual work. • It is time saving. • Efficient way of managing the Alumni data. • No need of paperwork as everything is online.

8. REFERENCES

[1] Mc GrawHill's , Java : The complete reference 7thEdition, Herbert Schildit

[2] Complete CSS Guide, Maxine Sherrin and John Allsopp-O'ReillyMedia; September 2012

ONLINE REFERENCE

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[2] www.w3school.com

[3] www.javatpoint.com