ALUMNI NETWORK PLATFORM

Version 1.0

Tech Stack : LAMP

Project ID

6

Presented to

BIT - Special Labs

Presented by

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Purpose

This document aims to outline the requirements for the development of an alumni networking platform to facilitate connections among alumni, promote engagement with the college, and provide opportunities for professional networking and collaboration.

Scope

The alumni networking platform will include features such as user authentication, profile management, alumni chapters, alumni meetups and reunions, news and post sharing, search and filter functionality, special interest groups and discussions, fundraising capabilities, messaging, memories sharing, and location mapping.

Glossary

- Alumni: Former students of the college who have graduated.
- Platform: The software application or website developed for alumni networking.
- Profile Management: The functionality allows users to edit and update their personal information on the platform.
- Alumni Chapters: Groups organized by graduation year for alumni to connect and engage.
- News and Post Sharing: Feature enabling users to share updates, articles, and other content with the alumni community.
- Stakeholders: Individuals or groups with an interest or involvement in the project.
- Database: Collection of all the information monitored by this system.

Stakeholders

STAKEHOLDER	ROLE
College Administrators	Oversee the project and provide resources.
Alumni Association	Provide input on alumni needs and preferences.
Development Team	Design, develop, and implement the platform.
Alumni Users	Utilize the platform for networking and engagement.

Features

FEATURES	DESCRIPTION
Sign-in with College Credentials	Allow alumni to sign in using college-provided ID and password.
Alumni Chapters	Display batch classes (e.g., "Class of 2024", "Class of 2020") for alumni to connect by graduation year.
Alumni Meet and Reunion	Facilitate organization and promotion of alumni meetups and reunions.
Alumni News and Posts	Provide space for alumni to share news, updates, and posts.
Search and Filter	Implement filters for searching alumni by various criteria.
Special Groups and Discussions	Allow alumni to join and participate in special interest groups and discussions.
Fundraising	Enable alumni to contribute to fundraising efforts for the college.
Profile Management	Allow alumni to manage their profiles and information.
Post Creation and Discussions	Enable alumni to create posts, polls, and discussions.
Mini Dashboard for College Notifications	Provide a dashboard for college admins to push notifications.
Messaging Feature	Implement private messaging between alumni.
Memories Section	Allow alumni to share memories through photos and stories.
Location Mapping	Display alumni locations on a map.
Event Calendar	Include a calendar for upcoming alumni events.
Mentorship Program	Introduce a mentorship platform within the network.
Job Board Integration	Integrate a job board for alumni career opportunities.

Functional

User Management

- **User Sign-in:** Alumni sign in with college credentials.
- **Profile Information Update:** Alumni update personal, education, and employment details.

Alumni Chapters

- **Alumni Chapters Display:** Display chapters by graduation year.
- **Alumni Chapter Participation:** Alumni join and engage in chapters.

Alumni Meetups and Reunions

- **Event Organization:** Admins create and promote events.
- **Event RSVP:** Alumni RSVP to events.

Alumni News and Posts

- **News Sharing:** Alumni share news and posts.

Search and Filter

- **Alumni Search:** Implement filters using Roll No, Name, Image, Batch, Department

Special Groups and Discussions

- **Group Participation:** Alumni join and discuss in groups.

Post Creation and Discussions

- **Discussion Initiation:** Alumni initiate discussions and posts.

Mini Dashboard for College Notifications

- **Notification Display:** Admins push notifications to alumni.

Non - Functional

Usability

- **Intuitive UI:** **E**asy to navigate.
- **Feedback: C**lear feedback to users for successful actions and errors

Performance

- **Performance Optimization:** The Alumni Chapters feature shall be optimized for fast loading and responsiveness.

Scalability

- **Scalable Chapters Display:** Display a large number of chapters efficiently as the number of alumni grows.

Supportability

- **Maintenance and Updates:** Feature designed for easy maintenance and updates to adapt to changing requirements.

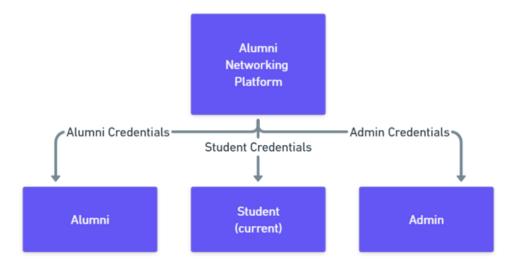**FRONTEND**

HTML CSS JS

BACKEND
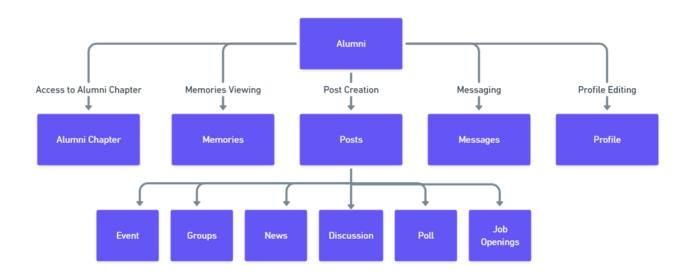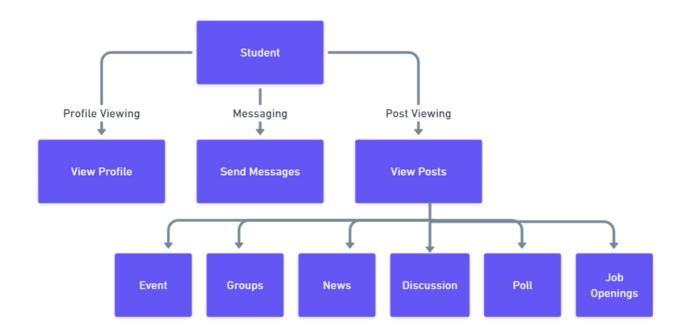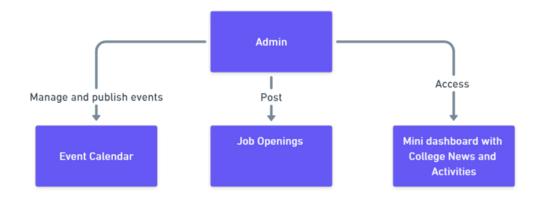
PHP

WEB SERVER

Apache

DATABASE

MySQL

API

Rest * API

OUTLINE

ALUMNI

STUDENT (CURRENT)

```
                            Student
            │                  │                  │
      Profile Viewing      Messaging         Post Viewing
            ▼                  ▼                  ▼
      View Profile       Send Messages        View Posts
                                                  │
       ┌────────┬────────┬────────┬────────┬────────┐
       ▼        ▼        ▼        ▼        ▼        ▼
     Event    Groups    News   Discussion  Poll  Job Openings
```

ADMIN

```
                            Admin
            │                  │                  │
 Manage and publish events    Post             Access
            ▼                  ▼                  ▼
     Event Calendar      Job Openings    Mini dashboard with
                                         College News and
                                         Activities
```
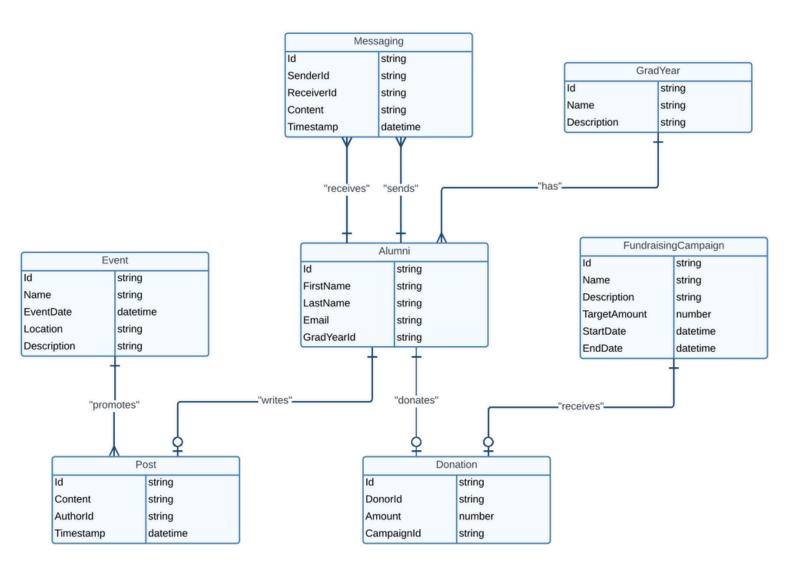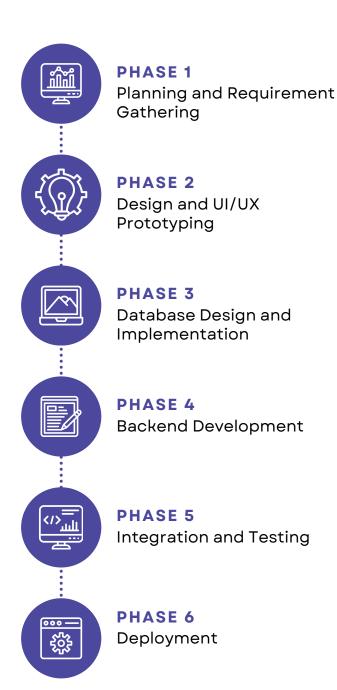
ER DIAGRAM

PROPOSED TIMELINE

PHASE 1
Planning and Requirement Gathering

PHASE 2
Design and UI/UX Prototyping

PHASE 3
Database Design and Implementation

PHASE 4
Backend Development

PHASE 5
Integration and Testing

PHASE 6
Deployment

Completed
25.04.2024

Finalizing

Conceptualizing

Coding

On Hold

On Hold