Alumni Management Platform

Home Page:

 **Institution Branding**: Displays the college’s logo, name, and tagline to reinforce the connection to the alma mater.

 **Navigation Menu**: Clear and easy-to-use navigation options like:

* **Home**
* **Alumni Directory**
* **Events**
* **Job Board**
* **Donate**
* **Mentorship**
* **My Profile**
* **Sign In / Sign Up**

 **Search Bar**: A prominent search bar to easily find alumni, events, or resources.

Data dictionary :

**1. Alumni Profile**

**Table Name: alumni\_profiles**

| **Attribute** | **Data Type** | **Description** | **Constraints** |
| --- | --- | --- | --- |
| alumni\_id | INT | Unique identifier for each alumni profile. | Primary Key, Auto Increment |
| first\_name | VARCHAR(100) | Alumni's first name. | Not Null |
| last\_name | VARCHAR(100) | Alumni's last name. | Not Null |
| email | VARCHAR(255) | Alumni’s email address. | Unique, Not Null |
| phone\_number | VARCHAR(20) | Alumni’s phone number. | Nullable |
| graduation\_year | YEAR | Year of graduation. | Not Null |
| degree\_program | VARCHAR(100) | Degree program (e.g., Computer Science, Marketing) | Nullable |
| profile\_picture | VARCHAR(255) | URL to alumni’s profile picture. | Nullable |
| current\_job\_title | VARCHAR(150) | Alumni’s current job title. | Nullable |
| current\_company | VARCHAR(255) | Name of alumni’s current employer. | Nullable |
| location | VARCHAR(255) | City or region where the alumni resides. | Nullable |
| skills | TEXT | List of alumni’s skills. | Nullable |
| linkedin\_profile | VARCHAR(255) | URL to alumni’s LinkedIn profile. | Nullable |
| status | ENUM('Active', 'Inactive') | Alumni’s current activity status on the platform. | Default: 'Active' |
| last\_updated | TIMESTAMP | Timestamp of the last update to the profile. | Default: CURRENT\_TIMESTAMP |

**2. Alumni Directory**

**Table Name: alumni\_directory**

| **Attribute** | **Data Type** | **Description** | **Constraints** |
| --- | --- | --- | --- |
| directory\_id | INT | Unique identifier for the directory entry. | Primary Key, Auto Increment |
| alumni\_id | INT | Foreign key linking to the alumni\_profiles table. | Foreign Key |
| contact\_number | VARCHAR(20) | Alumni’s preferred contact number. | Nullable |
| address | VARCHAR(255) | Alumni’s home address. | Nullable |
| education\_history | TEXT | A summary of alumni’s education history. | Nullable |

**3. Events**

**Table Name: events**

| **Attribute** | **Data Type** | **Description** | **Constraints** |
| --- | --- | --- | --- |
| event\_id | INT | Unique identifier for each event. | Primary Key, Auto Increment |
| event\_name | VARCHAR(255) | Name of the event (e.g., Annual Reunion). | Not Null |
| event\_date | DATETIME | Date and time when the event will take place. | Not Null |
| location | VARCHAR(255) | Location of the event (can be a physical address or virtual). | Nullable |
| description | TEXT | Brief description of the event. | Nullable |
| event\_type | ENUM('In-person', 'Virtual', 'Hybrid') | Type of the event (e.g., reunion, webinar). | Not Null |
| organizer\_id | INT | ID of the person or group organizing the event. | Foreign Key |
| created\_at | TIMESTAMP | Timestamp when the event was created. | Default: CURRENT\_TIMESTAMP |

**4. Event Attendance**

**Table Name: event\_attendance**

| **Attribute** | **Data Type** | **Description** | **Constraints** |
| --- | --- | --- | --- |
| attendance\_id | INT | Unique identifier for each attendance record. | Primary Key, Auto Increment |
| event\_id | INT | Foreign key linking to the events table. | Foreign Key |
| alumni\_id | INT | Foreign key linking to the alumni\_profiles table. | Foreign Key |
| status | ENUM('Attended', 'Registered', 'Cancelled') | Attendance status (whether the alumni attended or not). | Default: 'Registered' |
| checked\_in | BOOLEAN | Whether the alumni has checked in to the event. | Default: False |

**5. Job Board**

**Table Name: job\_board**

| **Attribute** | **Data Type** | **Description** | **Constraints** |
| --- | --- | --- | --- |
| job\_id | INT | Unique identifier for each job listing. | Primary Key, Auto Increment |
| alumni\_id | INT | Foreign key linking to the alumni who posted the job. | Foreign Key |
| job\_title | VARCHAR(150) | Title of the job position. | Not Null |
| company\_name | VARCHAR(255) | Name of the company offering the job. | Not Null |
| location | VARCHAR(255) | Location where the job is based. | Nullable |
| job\_type | ENUM('Full-time', 'Part-time', 'Internship', 'Freelance') | Type of employment. | Not Null |
| posted\_on | TIMESTAMP | Date when the job was posted. | Default: CURRENT\_TIMESTAMP |
| description | TEXT | Job description and requirements. | Nullable |

**6. Donations**

**Table Name: donations**

| **Attribute** | **Data Type** | **Description** | **Constraints** |
| --- | --- | --- | --- |
| donation\_id | INT | Unique identifier for each donation. | Primary Key, Auto Increment |
| alumni\_id | INT | Foreign key linking to the alumni who made the donation. | Foreign Key |
| amount | DECIMAL(10,2) | Amount donated. | Not Null |
| donation\_date | TIMESTAMP | Date of the donation. | Default: CURRENT\_TIMESTAMP |
| donation\_type | ENUM('One-time', 'Recurring') | Type of donation (one-time or recurring). | Not Null |
| fund | VARCHAR(255) | The specific fund or project the donation was for (e.g., scholarships, campus development). | Nullable |

**7. Mentorship Program**

**Table Name: mentorship\_program**

| **Attribute** | **Data Type** | **Description** | **Constraints** |
| --- | --- | --- | --- |
| mentorship\_id | INT | Unique identifier for each mentorship program. | Primary Key, Auto Increment |
| mentor\_id | INT | Foreign key linking to the alumni who is a mentor. | Foreign Key |
| mentee\_id | INT | Foreign key linking to the alumni who is a mentee. | Foreign Key |
| program\_start\_date | DATE | Start date of the mentorship program. | Not Null |
| program\_end\_date | DATE | End date of the mentorship program. | Nullable |
| status | ENUM('Active', 'Completed', 'Cancelled') | Status of the mentorship (active, completed, or cancelled). | Default: 'Active' |

**8. Alumni Feedback/Survey**

**Table Name: alumni\_feedback**

| **Attribute** | **Data Type** | **Description** | **Constraints** |
| --- | --- | --- | --- |
| feedback\_id | INT | Unique identifier for each feedback submission. | Primary Key, Auto Increment |
| alumni\_id | INT | Foreign key linking to the alumni who gave the feedback. | Foreign Key |
| survey\_id | INT | Foreign key linking to a specific survey or poll. | Foreign Key |
| response | `TEXT |  |  |

**1. Staff (Alumni Relations/Development Office)**

**Table Name: staff\_profiles**

| **Attribute** | **Data Type** | **Description** | **Constraints** |
| --- | --- | --- | --- |
| staff\_id | INT | Unique identifier for each staff member. | Primary Key, Auto Increment |
| first\_name | VARCHAR(100) | Staff member’s first name. | Not Null |
| last\_name | VARCHAR(100) | Staff member’s last name. | Not Null |
| email | VARCHAR(255) | Staff member’s official email address. | Unique, Not Null |
| phone\_number | VARCHAR(20) | Staff member’s contact number. | Nullable |
| job\_title | VARCHAR(100) | Staff member’s job title (e.g., Alumni Relations Manager, Fundraising Officer). | Not Null |
| department | VARCHAR(100) | Department or office the staff member works in (e.g., Alumni Affairs, Development). | Not Null |
| hire\_date | DATE | Date when the staff member joined the institution. | Not Null |
| status | ENUM('Active', 'Inactive') | Current employment status (Active or Inactive). | Default: 'Active' |
| profile\_picture | VARCHAR(255) | URL to the staff member’s profile picture. | Nullable |
| created\_at | TIMESTAMP | Timestamp when the staff profile was created. | Default: CURRENT\_TIMESTAMP |

**2. Current Students**

**Table Name: student\_profiles**

| **Attribute** | **Data Type** | **Description** | **Constraints** |
| --- | --- | --- | --- |
| student\_id | INT | Unique identifier for each student. | Primary Key, Auto Increment |
| first\_name | VARCHAR(100) | Student’s first name. | Not Null |
| last\_name | VARCHAR(100) | Student’s last name. | Not Null |
| email | VARCHAR(255) | Student’s official email address. | Unique, Not Null |
| phone\_number | VARCHAR(20) | Student’s contact number. | Nullable |
| degree\_program | VARCHAR(100) | Degree program the student is enrolled in (e.g., Computer Science, Psychology). | Not Null |
| year\_of\_enrollment | YEAR | Year the student enrolled at the institution. | Not Null |
| graduation\_year | YEAR | Expected year of graduation. | Nullable |
| current\_status | ENUM('Active', 'Graduated', 'On Leave', 'Dropped Out') | Current status of the student (Active, Graduated, etc.). | Default: 'Active' |
| major | VARCHAR(100) | Student’s major or field of study (e.g., Business Administration, Environmental Science). | Not Null |
| minor | VARCHAR(100) | Student’s minor or secondary field of study (if applicable). | Nullable |
| profile\_picture | VARCHAR(255) | URL to the student’s profile picture. | Nullable |
| contact\_address | VARCHAR(255) | Address where the student resides. | Nullable |
| advisor\_name | VARCHAR(100) | Name of the academic advisor for the student. | Nullable |
| academic\_status | ENUM('Good Standing', 'Probation', 'Suspended') | Current academic standing of the student. | Default: 'Good Standing' |
| created\_at | TIMESTAMP | Timestamp when the student profile was created. | Default: CURRENT\_TIMESTAMP |

**3. Student Enrollment in Courses**

**Table Name: student\_enrollments**

| **Attribute** | **Data Type** | **Description** | **Constraints** |
| --- | --- | --- | --- |
| enrollment\_id | INT | Unique identifier for each enrollment record. | Primary Key, Auto Increment |
| student\_id | INT | Foreign key linking to the student\_profiles table. | Foreign Key |
| course\_id | INT | Foreign key linking to the courses table (if courses are tracked in a separate table). | Foreign Key |
| semester | ENUM('Fall', 'Spring', 'Summer') | Semester in which the student is enrolled. | Not Null |
| year | YEAR | Year in which the student is enrolled in the course. | Not Null |
| status | ENUM('Enrolled', 'Completed', 'Dropped', 'Failed') | Status of the student's enrollment in the course. | Default: 'Enrolled' |
| grade | VARCHAR(2) | Grade the student received in the course (if applicable). | Nullable |
| created\_at | TIMESTAMP | Timestamp of when the enrollment was made. | Default: CURRENT\_TIMESTAMP |

**4. Student Feedback/Surveys**

**Table Name: student\_feedback**

| **Attribute** | **Data Type** | **Description** | **Constraints** |
| --- | --- | --- | --- |
| feedback\_id | INT | Unique identifier for each feedback record. | Primary Key, Auto Increment |
| student\_id | INT | Foreign key linking to the student\_profiles table. | Foreign Key |
| survey\_id | INT | Foreign key linking to a specific survey. | Foreign Key |
| response | TEXT | The student’s response or feedback. | Nullable |
| rating | INT | Rating provided by the student (e.g., 1 to 5 scale). | Nullable |
| created\_at | TIMESTAMP | Timestamp when the feedback was submitted. | Default: CURRENT\_TIMESTAMP |

**5. Student Events Participation**

**Table Name: student\_event\_participation**

| **Attribute** | **Data Type** | **Description** | **Constraints** |
| --- | --- | --- | --- |
| participation\_id | INT | Unique identifier for each participation record. | Primary Key, Auto Increment |
| student\_id | INT | Foreign key linking to the student\_profiles table. | Foreign Key |
| event\_id | INT | Foreign key linking to the events table. | Foreign Key |
| status | ENUM('Registered', 'Attended', 'Cancelled') | Status of the student’s event participation. | Default: 'Registered' |
| checked\_in | BOOLEAN | Whether the student has checked in to the event. | Default: False |
| created\_at | TIMESTAMP | Timestamp when the participation was recorded. | Default: CURRENT\_TIMESTAMP |

**6. Student Payment (Tuition, Fees)**

**Table Name: student\_payments**

| **Attribute** | **Data Type** | **Description** | **Constraints** |
| --- | --- | --- | --- |
| payment\_id | INT | Unique identifier for each payment. | Primary Key, Auto Increment |
| student\_id | INT | Foreign key linking to the student\_profiles table. | Foreign Key |
| payment\_amount | DECIMAL(10,2) | Amount paid by the student (tuition, fees, etc.). | Not Null |
| payment\_date | TIMESTAMP | Date and time when the payment was made. | Default: CURRENT\_TIMESTAMP |
| payment\_method | ENUM('Credit Card', 'Bank Transfer', 'Cash', 'Other') | Method of payment. | Not Null |
| payment\_status | ENUM('Paid', 'Pending', 'Failed') | Status of the payment. | Default: 'Pending' |

Flow of project:

**1. User Registration & Login Flow**

**User: Alumni, Current Student, Staff**

**Step 1: User Registration**

* **Action**: The user visits the platform and clicks on "Sign Up" or "Register".
  + If the user is an alumni, they will choose "Alumni Registration".
  + If the user is a student, they will choose "Student Registration".
  + If the user is staff, they will choose "Staff Registration".
* **System Check**:
  + Validate user type (Alumni, Student, or Staff).
  + Ensure that the required information (name, email, etc.) is provided.
  + Check if the email is unique (not already registered).

**Step 2: Account Creation**

* **Action**: The user enters their details (e.g., name, email, password, institution).
* **System Process**:
  + User data is stored in the **database** (Alumni, Student, or Staff table).
  + A verification email is sent to confirm the user's email address.
  + On success, account status is marked as "pending approval" (for Staff, Admin can verify).
  + Account type (Alumni, Staff, Student) is assigned for access control.

**Step 3: Email Confirmation**

* **Action**: User clicks on the verification link sent to their email.
* **System Process**:
  + Email is verified.
  + Account is marked as “active”.
  + Redirect the user to the **login page**.

**2. User Login Flow**

**User: Alumni, Current Student, Staff**

**Step 1: User Login**

* **Action**: The user visits the platform and clicks "Login".
  + The user enters their registered email and password.
* **System Check**:
  + Validate credentials against the **user table**.
  + If credentials are valid, login is successful.
  + If invalid, show an error message.

**Step 2: Role-based Access Control (RBAC)**

* **Action**: Once logged in, the system checks the user role (Alumni, Student, or Staff).
* **System Flow**:
  + **Alumni**: Redirected to the **Alumni Dashboard**.
  + **Current Students**: Redirected to the **Student Dashboard**.
  + **Staff**: Redirected to the **Staff Dashboard**.

**3. Alumni Profile Management Flow**

**User: Alumni**

**Step 1: View/Update Profile**

* **Action**: After logging in, the alumni user clicks on the "Profile" link in the dashboard.
* **System Process**:
  + Retrieve alumni details from the **Alumni Profiles Table**.
  + Display current profile information (name, graduation year, program, career details, etc.).

**Step 2: Edit Profile**

* **Action**: The alumni can edit their profile (name, contact info, job, skills, etc.).
* **System Process**:
  + Update changes in the **Alumni Profiles Table**.
  + Profile is updated in real-time.
  + Alumni is shown a success message and an updated profile page.

**Step 3: Privacy Settings**

* **Action**: Alumni can adjust their privacy settings (who can view their profile).
* **System Process**:
  + Privacy settings are saved and updated in the **Alumni Profiles Table**.
  + The profile visibility is updated based on the selected privacy options.

**4. Event Management Flow**

**User: Alumni, Current Students, Staff**

**Step 1: Event Creation (Staff/Admin)**

* **Action**: Staff or Admin creates a new event.
  + Staff selects "Create Event" from the dashboard.
  + The staff fills in event details (date, time, title, description, location, etc.).
  + Option to categorize the event (e.g., Career Fair, Networking Event, Alumni Reunion).
  + Option to upload event banners/images.

**System Process**:

* Event is saved to the **Events Table**.
* Notification is sent to the alumni, students, and staff (based on event relevance).
* The event is listed in the **event directory** and on the user’s dashboard.

**Step 2: Event Registration (Alumni/Students)**

* **Action**: Alumni or students browse the events list on their dashboard.
  + They click on an event to get more details.
  + If interested, they register by clicking "RSVP" or "Attend".
* **System Process**:
  + User’s RSVP status is updated in the **Event Participation Table**.
  + Confirmation notification (email or push) is sent to the user.

**Step 3: Event Feedback**

* **Action**: After the event, alumni/students are prompted to provide feedback or complete a survey.
* **System Process**:
  + Collect feedback in the **Feedback Table**.
  + Survey responses are stored in the system and analyzed for future improvements.

**5. Job Board & Career Services Flow**

**User: Alumni, Current Students**

**Step 1: Job Postings (Staff/Employers)**

* **Action**: Employers or staff post job openings on the job board.
  + They select "Post a Job" and fill in job details (title, description, qualifications, etc.).
* **System Process**:
  + Job data is saved to the **Job Postings Table**.
  + Notifications are sent to relevant alumni and students based on criteria (location, skills, etc.).

**Step 2: Job Application (Alumni/Students)**

* **Action**: Alumni/students view job postings on the job board and apply.
  + They can submit their resumes, cover letters, or LinkedIn profiles.
* **System Process**:
  + Application data (resume, cover letter) is stored in the **Applications Table**.
  + The employer receives an application notification.
  + Application status is updated (Pending, Accepted, Rejected).

**6. Donation & Fundraising Flow**

**User: Alumni, Staff**

**Step 1: Donation Campaign Creation (Admin/Staff)**

* **Action**: Admin or staff creates a new fundraising campaign.
  + They select "Create Campaign", enter the goal amount, description, and target audience.
  + Option to upload images and set campaign duration.
* **System Process**:
  + Campaign data is saved to the **Fundraising Campaigns Table**.
  + Notification is sent to alumni about the campaign.

**Step 2: Alumni Donating**

* **Action**: Alumni visit the donation page and choose a campaign to contribute to.
  + Alumni can select a predefined amount or enter their own donation.
* **System Process**:
  + Payment is processed via an integrated payment gateway (PayPal, Stripe, etc.).
  + Donation data is saved in the **Donations Table**.
  + A confirmation receipt is sent to the alumni, and their contribution is tracked.

**7. Mentorship Program Flow**

**User: Alumni, Current Students**

**Step 1: Mentor Profile Creation (Alumni)**

* **Action**: Alumni who wish to mentor create a mentor profile by selecting "Mentor Signup".
  + They fill in their areas of expertise, availability, and mentoring preferences.
* **System Process**:
  + Mentor profile is stored in the **Mentor Table**.
  + The system notifies students who meet mentor criteria.

**Step 2: Mentee Registration (Students)**

* **Action**: Students who want a mentor fill out a "Mentee Signup" form with their interests.
* **System Process**:
  + Mentee profiles are stored in the **Mentee Table**.
  + Students are matched with mentors based on interests, expertise, and availability.

**Step 3: Mentorship Matching**

* **Action**: Students and mentors are paired, and they can communicate through the platform.
* **System Process**:
  + Match information is stored in the **Mentorship Table**.
  + Both mentor and mentee receive a notification about the match.
  + Mentorship sessions can be scheduled, and the system tracks interactions.

**8. Analytics & Reporting Flow**

**User: Admin, Staff**

**Step 1: Generating Reports**

* **Action**: Admin or staff select the "Analytics" section from the dashboard.
  + Admin can choose to generate reports on various aspects (events, donations, job board, user activity, etc.).
* **System Process**:
  + The system retrieves data from relevant tables (e.g., **Event Participation Table**, **Donations Table**).
  + Analytics are processed and displayed on the admin dashboard.
  + Reports can be exported (PDF, CSV).

**9. Communication Flow**

**User: Alumni, Staff, Current Students**

**Step 1: Sending Messages**

* **Action**: Alumni, staff, or students can send messages to other platform users.
  + They can use the built-in messaging feature or email.
* **System Process**:
  + Messages are stored in the **Messages Table**.
  + Notifications are sent to the recipient.

Technologies used:

**Best Tech Stack for Alumni Management Platform**

* **Front-end**:
  + **React.js** (with **TypeScript** for better maintainability) + **CSS (Bootstrap/Tailwind CSS)**
* **Back-end**:
  + **Node.js** + **Express.js** for a scalable, JavaScript-based stack.
  + Alternatively, **Django** (Python) or **Spring Boot** (Java) can be used for more structured or enterprise-grade back-end development.
* **Database**:
  + **PostgreSQL** for relational data, or **MongoDB** for a NoSQL approach, depending on the complexity of your data.
* **Authentication**:
  + **JWT** + **Passport.js** (if using Node.js).
* **Real-time Features**:
  + **Socket.IO** (for real-time notifications, chats, etc.)
* **Mobile**:
  + **React Native** for cross-platform mobile apps.
* **Hosting**:
  + **AWS** or **Google Cloud Platform** for scalable, cloud-based infrastructure.

Frontend pages in above project:

**1. Home Page**

* **Description**: The landing page for the platform.
  + **Key Features**:
    - Introduction to the platform and its features.
    - Links to sign up or log in.
    - Brief overview of services offered (e.g., job postings, event registration, networking opportunities).
    - Testimonials or success stories from alumni.
    - Call to action for joining or exploring the platform.
    - Navigation menu (Login, Register, About, Contact, etc.).
    - Search bar for quick access to alumni or events.

**2. Login Page**

* **Description**: A page for users (alumni, students, staff, admin) to log into their accounts.
  + **Key Features**:
    - Email/username and password fields.
    - Login button.
    - Links for:
      * Forgotten password (reset link).
      * Sign-up (for new users).
      * Login using third-party services (e.g., Google, LinkedIn).
    - Option to remember me (stay logged in).
    - Error handling for invalid login attempts.

**3. Register/Sign-Up Page**

* **Description**: A page where new users (students or alumni) can create an account.
  + **Key Features**:
    - Form to collect personal information (name, email, phone number, password, graduation year, degree program, etc.).
    - Dropdown or multi-select for selecting graduation year, department, and other relevant fields.
    - Option to sign up using social media or professional networks (Google, LinkedIn, etc.).
    - Terms and conditions checkbox.
    - Verification step (e.g., email confirmation link).
    - Error handling for missing or invalid data.

**4. Dashboard Page (For Alumni, Students, Staff)**

* **Description**: The central hub after logging in. This page provides quick access to key features based on user roles (alumni, students, staff).
  + **Key Features**:
    - **For Alumni**:
      * Profile summary (e.g., job, location, alumni group).
      * Upcoming events.
      * Opportunities for mentoring students.
      * Recent alumni activities or news.
      * Quick links to update profile, explore job postings, view connections, etc.
    - **For Students**:
      * List of upcoming events and job opportunities.
      * Alumni mentorship program.
      * Career advice and networking options.
      * Profile settings and editing options.
    - **For Staff**:
      * Overview of alumni activities, job postings, and event management.
      * Notifications for admin tasks (e.g., review new alumni registration, manage events).
      * Admin dashboard tools to manage platform settings, user roles, and content.

**5. Profile Page (For Alumni and Students)**

* **Description**: A detailed user profile page where alumni and students can view and edit their information.
  + **Key Features**:
    - Display personal information (name, bio, education, job history, skills, etc.).
    - Edit personal details, profile picture, and contact information.
    - Manage privacy settings (who can see their profile, email visibility).
    - Links to social media profiles (LinkedIn, Twitter, etc.).
    - Option to add work experience, skills, achievements, and portfolio.
    - Track mentorship involvement (if any).
    - Button to update or delete profile.

**6. Alumni Directory/Directory Search Page**

* **Description**: A searchable directory of alumni.
  + **Key Features**:
    - Search filters based on graduation year, department, industry, location, skills, etc.
    - Option to view alumni profiles or send a connection request.
    - Sorting options (e.g., by name, graduation year, location).
    - Pagination for easier browsing.
    - Quick links to contact alumni (via email, messaging, etc.).

**7. Events Page**

* **Description**: A page to list all upcoming events organized by the alumni network or college.
  + **Key Features**:
    - Calendar view and/or list view of upcoming events.
    - Event details including time, date, description, location (virtual or physical), and RSVP option.
    - Filter events by type (networking, career fairs, workshops, reunions).
    - Option to register for events and add them to personal calendar.
    - Display past events and feedback from attendees.
    - Event page with detailed information, speakers, sessions, etc.

**8. Job Postings and Career Opportunities Page**

* **Description**: A dedicated page for job listings, internships, and career opportunities for alumni and students.
  + **Key Features**:
    - Job listings with job title, company name, job description, location, and application link.
    - Filter and search options (e.g., by job type, location, industry).
    - Option for alumni to post job opportunities for current students and fellow alumni.
    - Links to relevant career resources (resume tips, interview prep, etc.).
    - Alumni and student profiles who are actively hiring or looking for opportunities.

**9. Mentorship Page**

* **Description**: A page dedicated to the mentorship program connecting alumni and students.
  + **Key Features**:
    - Overview of the mentorship program (how it works, benefits).
    - Option for students to request mentorship and alumni to offer mentorship.
    - Searchable list of available mentors and mentees.
    - Messaging and scheduling tools for mentor-mentee communication.
    - Testimonials or success stories from mentorship pairs.
    - Feedback form to improve the program.

**10. Donations/Charity Page**

* **Description**: A page to allow alumni and current students to donate to the institution or specific causes.
  + **Key Features**:
    - Options for one-time or recurring donations.
    - Details of how donations will be used (scholarships, infrastructure, etc.).
    - Donation progress bar or campaign goals (e.g., alumni fundraising goal).
    - Option to dedicate donations in honor of someone (e.g., in memory of a professor, alumni donation challenge).
    - Payment gateway integration (PayPal, Stripe, etc.).

**11. Alumni Stories or Testimonials Page**

* **Description**: A page highlighting success stories, interviews, and experiences of alumni.
  + **Key Features**:
    - Collection of written and video testimonials from successful alumni.
    - Filters to search stories by industry, graduation year, etc.
    - Option to submit your own alumni story/testimonial.
    - Inspirational success stories to encourage new students and alumni to engage more with the platform.

**12. Settings Page**

* **Description**: A page where users can manage account settings, privacy settings, and notifications.
  + **Key Features**:
    - Update email, phone number, and password.
    - Change notification preferences (e.g., receive event updates, job notifications).
    - Privacy settings for profile visibility (who can see your information).
    - Language preferences (if supporting multiple languages).
    - Delete account option (with confirmation).

**13. Admin Panel (For Admins/Staff)**

* **Description**: A dashboard for platform administrators to manage users, events, donations, and content.
  + **Key Features**:
    - View and manage registered alumni, students, and staff.
    - Approve or reject new member registrations.
    - View and manage events, including creating or deleting events.
    - Access to financial or donation reports.
    - Manage job postings and approve alumni who post jobs.
    - Moderation tools for handling inappropriate content, user reports, etc.

**14. Error Pages (404, 500, etc.)**

* **Description**: Pages displayed in case of errors like invalid routes, internal server errors, etc.
  + **Key Features**:
    - 404 page for not found errors.
    - 500 page for internal server errors.
    - Friendly and user-friendly messages to guide the user back to the homepage or other parts of the platform.

**15. About Page**

* **Description**: A page to explain the mission, vision, and goals of the alumni platform.
  + **Key Features**:
    - Overview of the institution’s alumni program.
    - Mission statement, vision, and how the platform helps alumni and students connect.
    - Contact information for support and inquiries.
    - Team behind the platform.

**16. Contact Page**

* **Description**: A page where users can contact the platform's support team.
  + **Key Features**:
    - Contact form (name, email, message).
    - Social media links.
    - Support email and phone number.
    - FAQs or troubleshooting guide.

Flowchart:

+---------------------------+

| Start: User Visits Site |

+---------------------------+

|

V

+--------------------------+ No +-------------------------+

| Is User Registered? |--------->| User Registration |

+--------------------------+ +-------------------------+

| |

V V

Yes| +----------------------------+

+--------------------------------->| Email Verification |

| +----------------------------+

V |

+--------------------------+ V

| Login |<---------+

+--------------------------+ |

| +----------------------------------+

V | Login Success |

+--------------------------+ +----------------------------------+

| User Dashboard |-------------------->+-----------------------------------+

+--------------------------+ | |

| +---+ Profile Management |

V | View & Edit Profile |

Alumni Directory <------------------+-----------------------------------+

| |

V V

+--------------------------+ +------------------------+

| Search for Alumni |<-------->| Update Profile |

+--------------------------+ +------------------------+

|

V

Display Alumni Profiles

|

V

Communication System

|

+----------------------------+

| Send and Receive Messages |

+----------------------------+

|

V

+-------------------------------+

| Event Management |

+-------------------------------+

|

V

+---------------------------+ Admin Dashboard

| Alumni Event RSVP |-------------------------+

+---------------------------+ |

| |

V V

+----------------------------+ +---------------------------+

| Admin Creates Events |<------->| Admin Manage Alumni |

+----------------------------+ | & View Analytics |

+---------------------------+

**1. Common Pages (Accessible to All Users)**

These pages are accessible to everyone, regardless of their role.

| **Page Name** | **Description** |
| --- | --- |
| **Home** | The landing page with an overview of the platform, features, and call-to-action. |
| **About Us** | Information about the platform, its mission, and vision. |
| **Contact Us** | A form for users to contact the support team. |
| **Login** | A page for users to log in to their accounts. |
| **Signup** | A page for new users to create an account. |
| **Forgot Password** | A page to reset the password for users who have forgotten it. |

**2. Alumni Pages**

These pages are specifically for alumni users.

| **Page Name** | **Description** |
| --- | --- |
| **Alumni Dashboard** | A personalized dashboard for alumni with quick links to relevant features. |
| **Alumni Directory** | A searchable directory of all alumni. |
| **Job Board** | A list of job postings shared by alumni or companies. |
| **Donations** | A page for alumni to donate to their alma mater. |
| **Events** | A list of upcoming events (e.g., reunions, webinars). |
| **Profile** | A page for alumni to view and update their personal and professional details. |
| **Networking** | A page to connect with other alumni (e.g., messaging, forums). |

**3. Current Student Pages**

These pages are specifically for current students.

| **Page Name** | **Description** |
| --- | --- |
| **Student Dashboard** | A personalized dashboard for students with quick links to relevant features. |
| **Mentorship Program** | A page to connect with alumni mentors. |
| **Internship Board** | A list of internship opportunities shared by alumni or companies. |
| **Events** | A list of upcoming events (e.g., career fairs, workshops). |
| **Profile** | A page for students to view and update their personal and academic details. |

**4. Staff Pages**

These pages are specifically for staff members (e.g., faculty, administration).

| **Page Name** | **Description** |
| --- | --- |
| **Staff Dashboard** | A personalized dashboard for staff with quick links to relevant features. |
| **Manage Events** | A page to create, update, and delete events. |
| **Manage Job Postings** | A page to approve or reject job postings shared by alumni or companies. |
| **Manage Donations** | A page to track and manage donations received from alumni. |
| **Reports** | A page to generate and view reports (e.g., donations, event attendance). |
| **Profile** | A page for staff to view and update their personal and professional details. |

**5. Admin Pages**

These pages are specifically for administrators who manage the platform.

| **Page Name** | **Description** |
| --- | --- |
| **Admin Dashboard** | A personalized dashboard for admins with quick links to relevant features. |
| **User Management** | A page to manage user accounts (e.g., create, update, delete users). |
| **Role Management** | A page to assign or revoke roles (e.g., alumni, student, staff, admin). |
| **Manage Content** | A page to manage static content (e.g., About Us, Contact Us). |
| **System Settings** | A page to configure platform settings (e.g., email templates, notifications). |
| **Audit Logs** | A page to view system logs (e.g., user activity, errors). |
| **Backup & Restore** | A page to manage database backups and restore operations. |

**6. Error Pages**

These pages handle errors and invalid routes.

| **Page Name** | **Description** |
| --- | --- |
| **404 Page** | A page displayed when a user tries to access a non-existent route. |
| **403 Page** | A page displayed when a user tries to access a page they don’t have permission for. |
| **500 Page** | A page displayed when there’s a server error. |