

Software Requirement Specifications

Project: Alumni Network

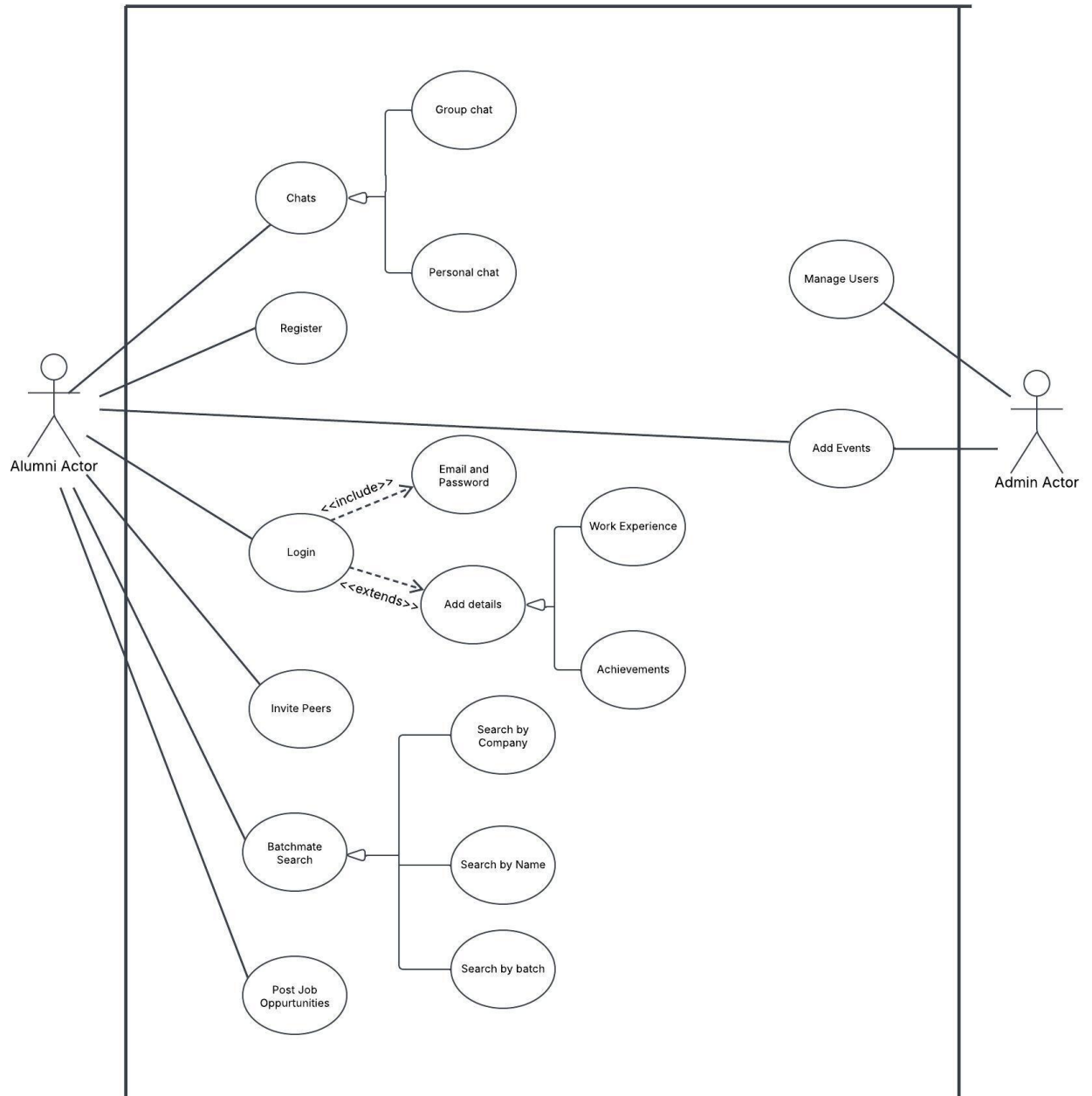
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Use Case Diagram



FUNCTIONAL REQUIREMENTS

1. User Authentication & Profile Management

- Alumni can register, log in, and update their profiles.
- OAuth 2.0 authentication for email or LinkedIn login.

2. Alumni Interaction Features

- Alumni can search for batchmates based on filters (name, year, company).
- Messaging system for one-on-one and group discussions.
- Ability to post status updates and achievements.

3. Networking & Invitations

- Alumni can send invitations.

4. Event & Job Board Management

- Alumni can create and join events (reunions, meet-ups).
- Alumni can post and browse job opportunities.

5. Gamification & Engagement

- Points system for profile updates, invitations, and event participation.
- Leaderboard with global rankings.

NON-FUNCTIONAL REQUIREMENTS

1. Performance Requirements

- The system should efficiently handle a large number of concurrent users.
- Profile searches should return results within a few seconds.

2. Security Requirements

- Implement OAuth 2.0 authentication for secure login.
- Profile data should be encrypted and access-controlled.

3. Usability Requirements

- The UI should be responsive and user-friendly.
- Simple and intuitive navigation for all alumni.

4. Scalability & Maintainability

- The system should allow future expansion for more features.
- Codebase should follow modular architecture for easy maintenance.