

Eujim Graduate Engagement Platform

System Documentation

This documentation provides a comprehensive overview of the Eujim Graduate Engagement Platform through a series of UML diagrams that describe the core logic, user interactions, system architecture, and class structure of the platform. The goal is to provide technical and non-technical stakeholders with a clear understanding of the platform's behavior, flow, and responsibilities.

1. Use Case Diagram

Actors:

- **Job Seeker (Graduate)**
- **Recruiter (Employer)**
- **Admin**

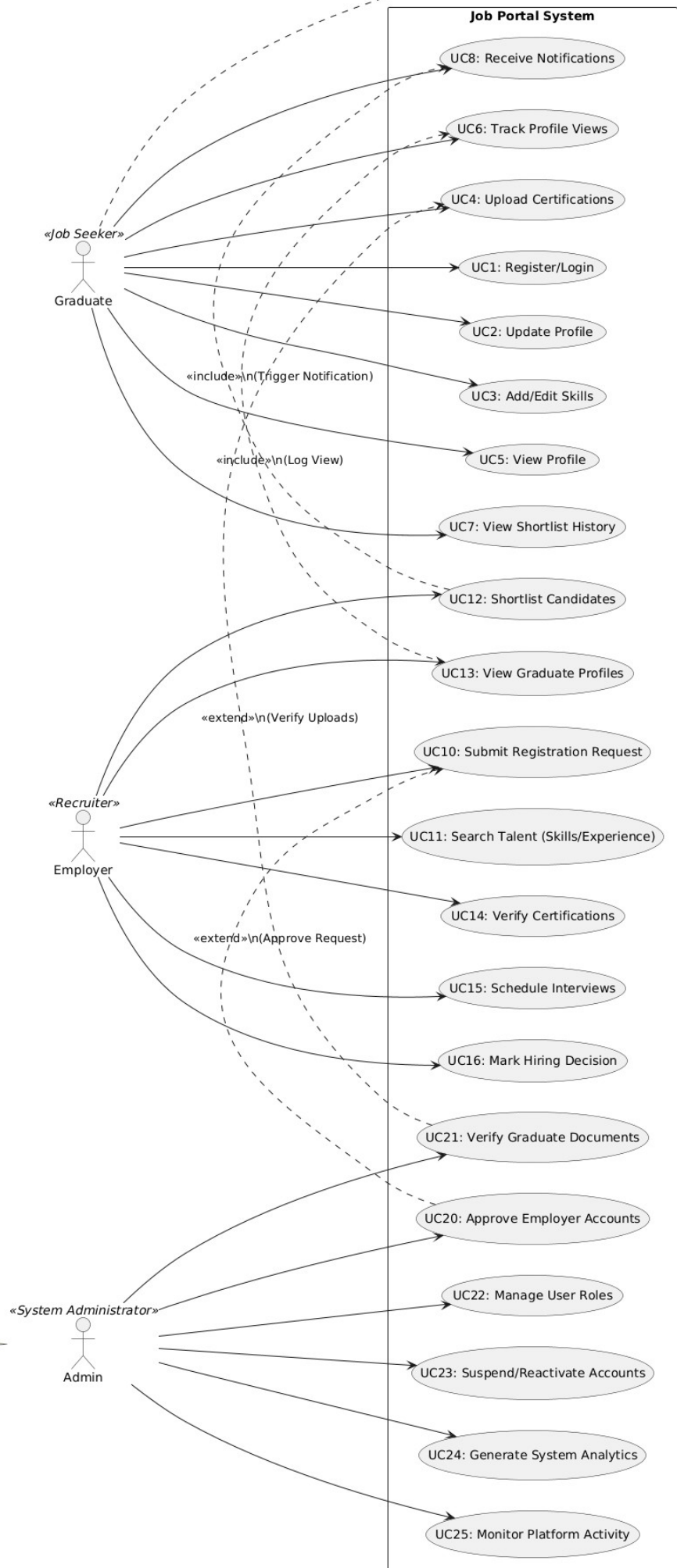
Key Use Cases:

- Graduates can register, update their profile, add skills, and upload certifications.
- Employers submit admission requests, search for graduates by skills, and shortlist candidates.
- Admins verify employer credentials, manage users, and generate insights.

This diagram visualizes the core functionalities accessible to each actor.

Extended Features:
- Profile view tracking
- Shortlist notifications
- Certification status alerts

Admin Privileges:
- Access to all user data
- Verification workflows
- Advanced analytics



2. Activity Diagrams

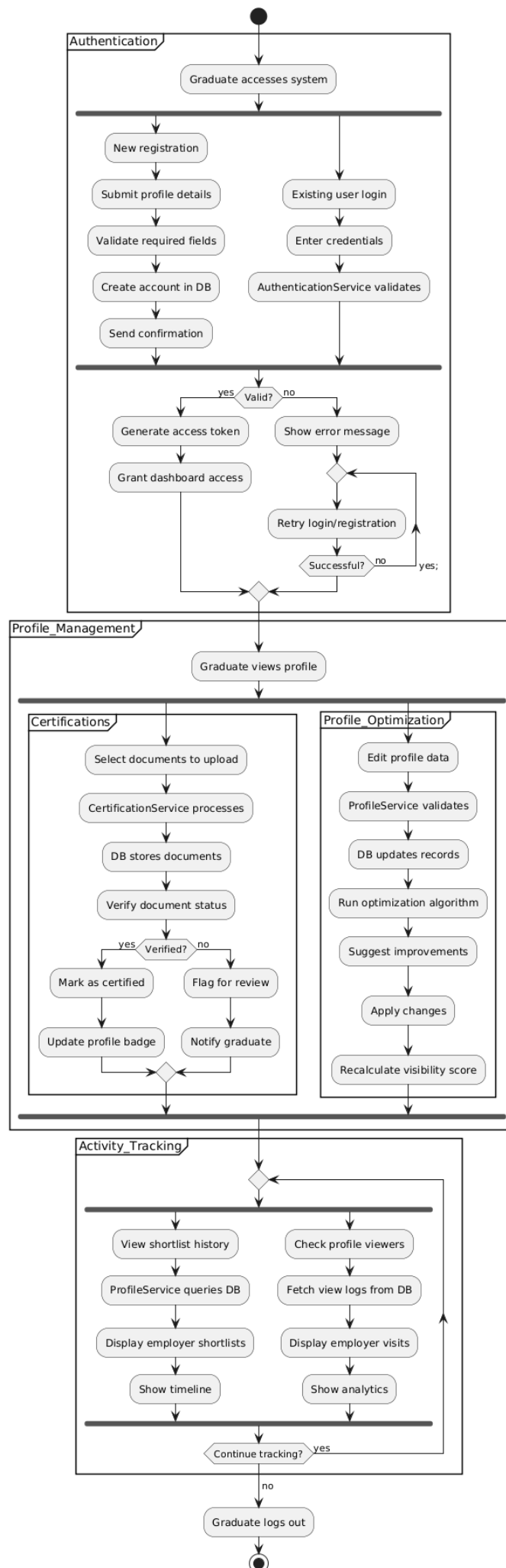
a) Graduate Activity Flow

Description: Illustrates the steps a graduate follows in the system:

1. Registers and logs in
2. Fills out profile with bio and social links
3. Adds skills and uploads certifications
4. Becomes searchable to employers
5. Gets notified if shortlisted by a recruiter

Purpose: This diagram helps understand the self-service nature of the graduate experience and the trigger points for engagement.

Graduate User Workflow



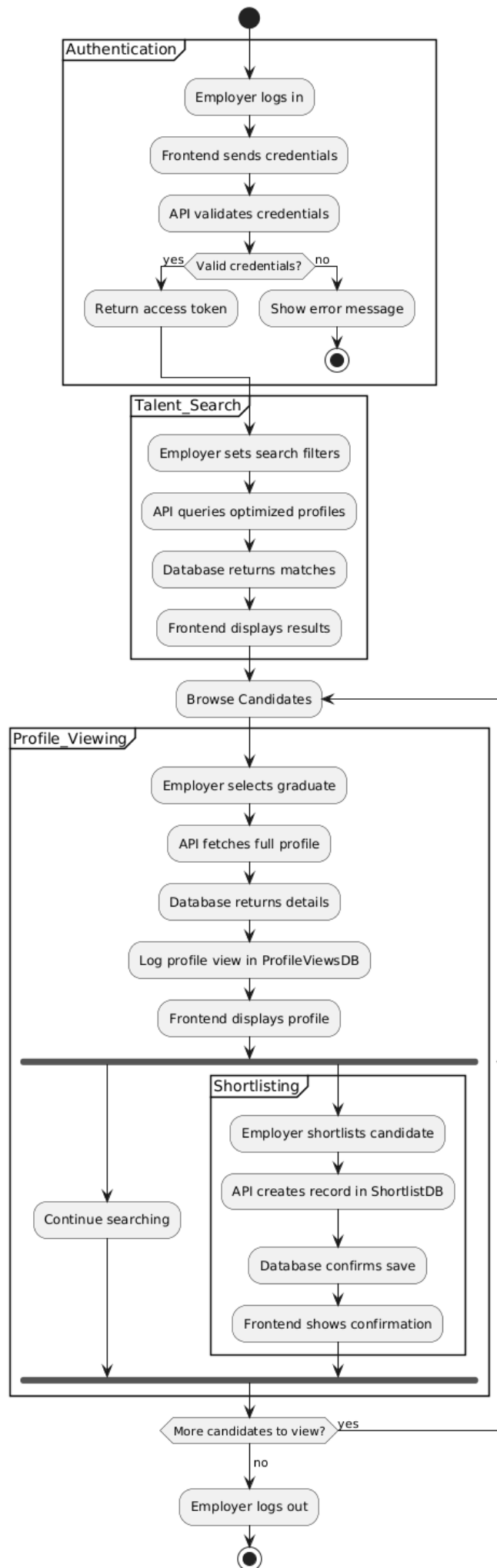
b) Recruiter Activity Flow

Description: Visualizes the workflow for employers:

1. Submit admission request
2. Await approval by admin
3. Login and search for graduates
4. View profiles and shortlist candidates
5. System sends notifications to graduates
6. Recruiter reviews documents and marks final outcomes (hired, rejected, interviewed)

Purpose: Highlights the semi-automated engagement process between employers and graduates.

Employer Workflow - Talent Search and Shortlisting



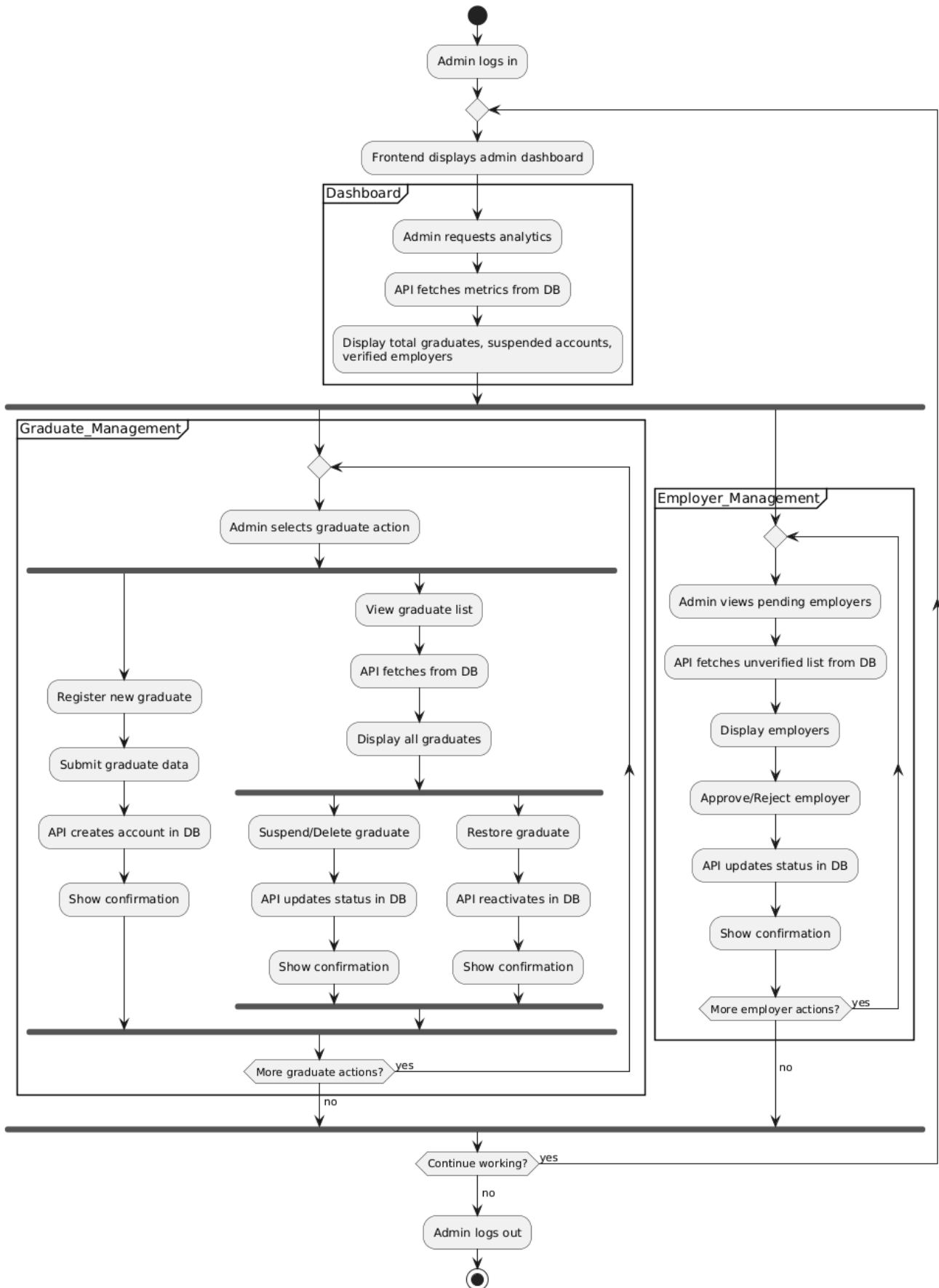
c) Admin Activity Flow

Description: Demonstrates the administrative responsibilities and system moderation flow:

1. Review employer admission requests
2. Approve or reject employer registration
3. Verify recruiter-uploaded documents
4. Monitor graduate certifications and data quality
5. Manage user roles and access levels
6. Generate analytics and reports

Purpose: Provides a clear view of how the admin ensures data integrity, approves participants, and supports operational and strategic functions.

Admin System Workflows

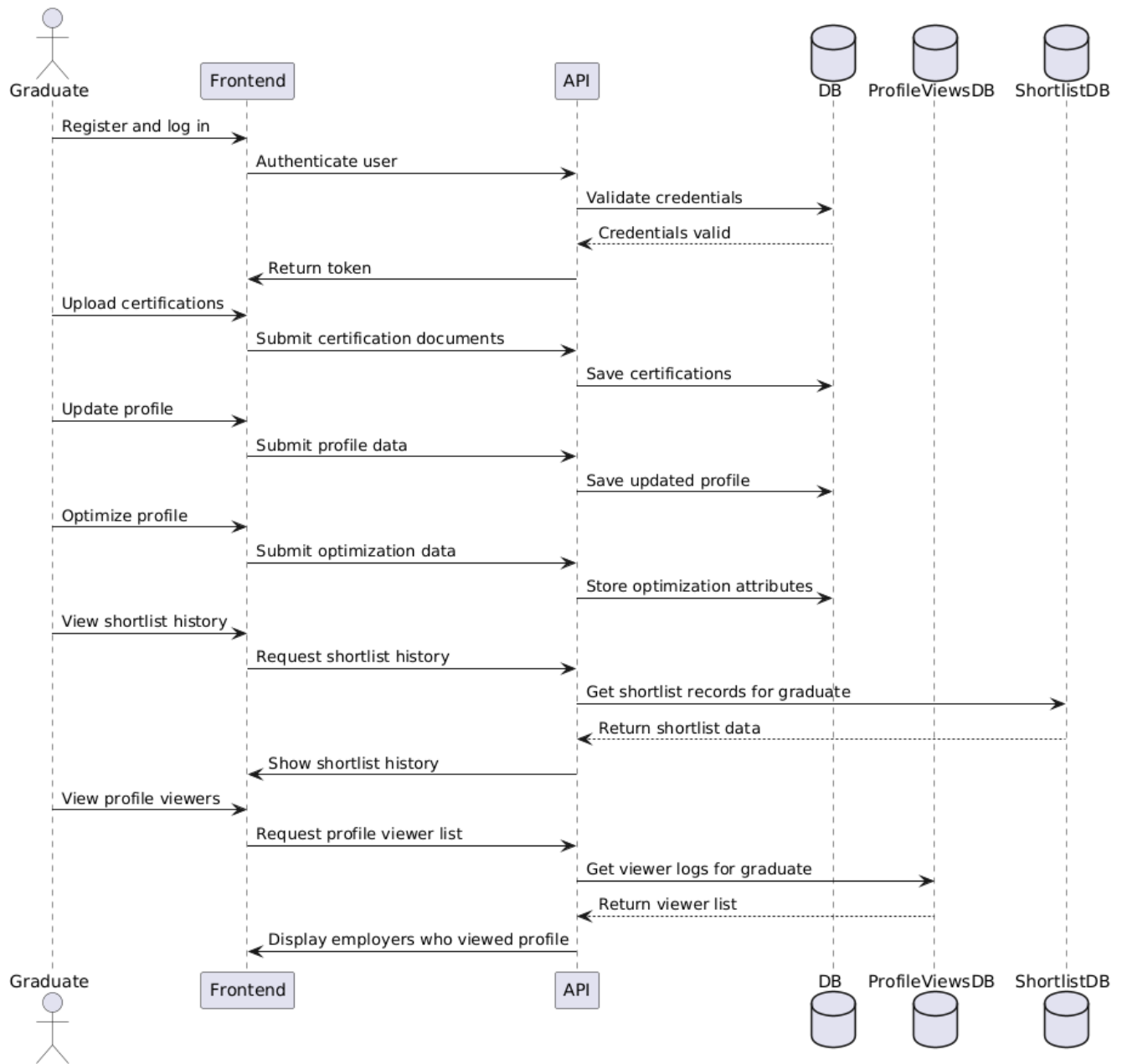


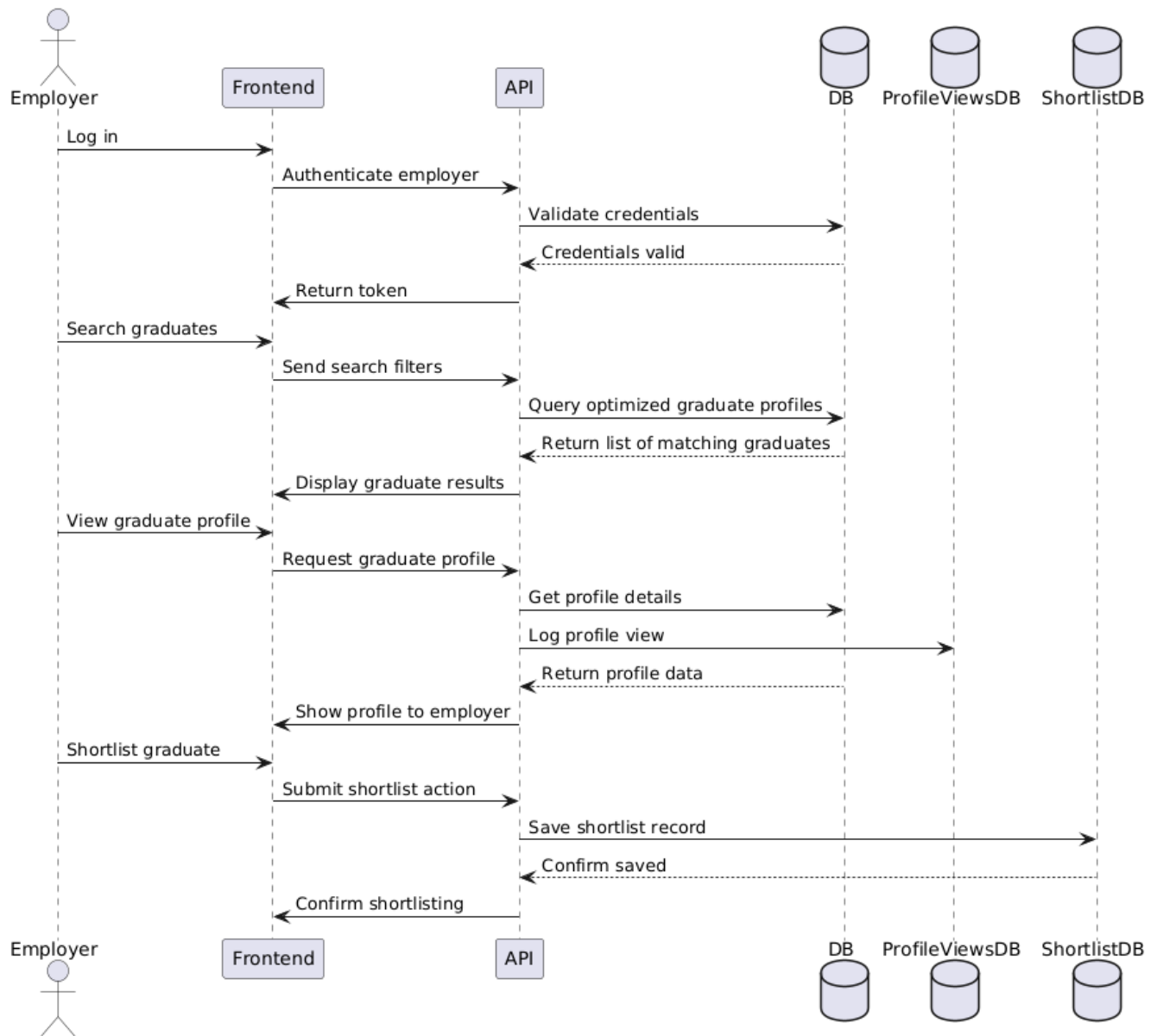
Sequence Diagram (Summary)

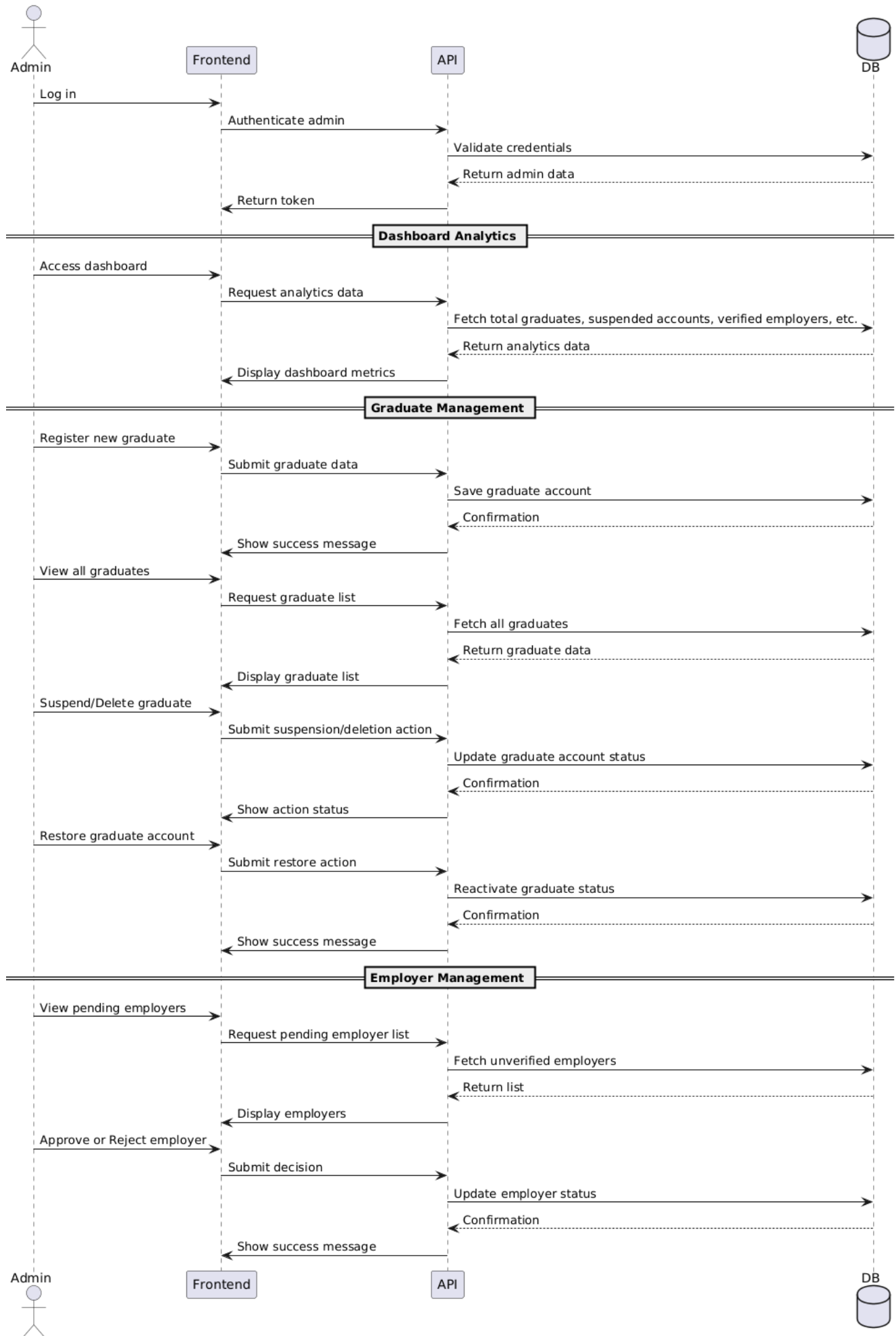
Flow:

- Employer submits request → Admin approves → Employer logs in → Searches graduates → Shortlists candidate → System notifies graduate → Employer marks outcome

Purpose: Demonstrates time-based interaction between system components and actors.







4. Class Diagram

Purpose: Demonstrates system architecture and object responsibilities using three layers:

a) Presentation Layer

- AdminUI, EmployerUI, GraduateUI: Interfaces used to render dashboards, profile editors, and verification tools.

b) Business Layer

- Controllers (AdminController, EmployerController, GraduateController) encapsulate core logic.
- Services handle search logic, analytics, and notifications.

c) Persistence Layer

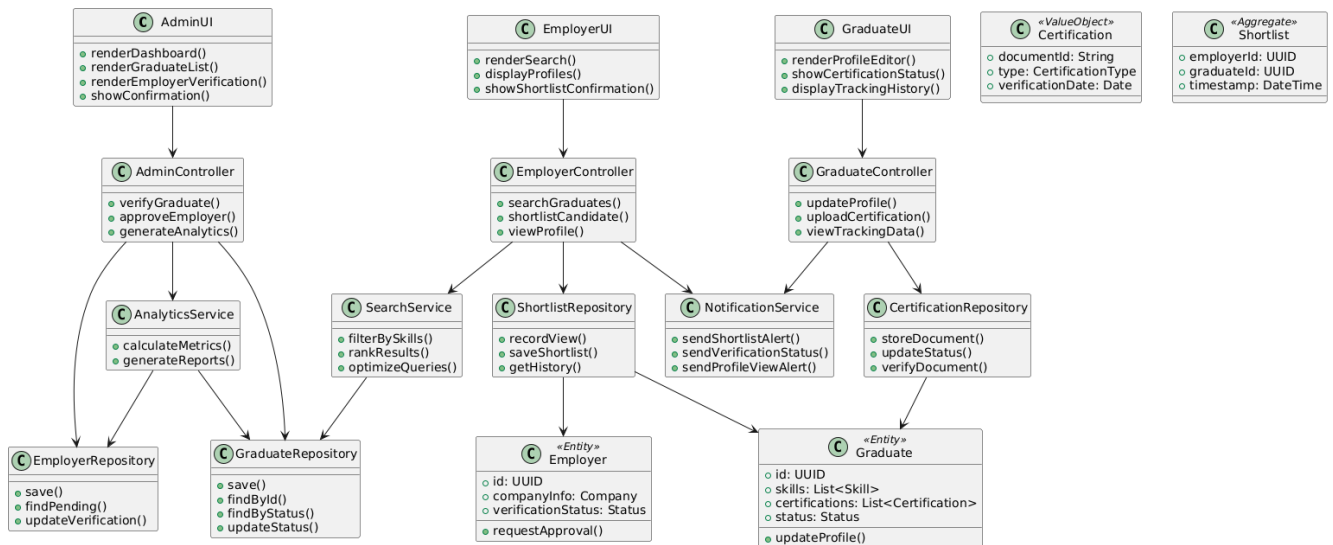
- Repositories manage saving, querying, and updating entities like graduates, employers, certifications, and shortlist actions.

d) Domain Models

- Graduate, Employer, Shortlist, and Certification: Represent core entities in the system.
- Encapsulate profile details, verification status, and shortlisting history.

Relationships:

- UI classes invoke Controllers
- Controllers use Repositories and Services
- Services access lower-layer repositories
- Entities are persisted via their associated repositories



Summary

The Ejum Graduate Engagement Platform is structured around strong domain-driven principles and provides seamless interaction between job seekers and employers. Key features like skill-based discovery, document uploads, shortlisting, and recruiter-driven hiring decisions are supported by a layered backend architecture.

Each UML diagram included serves a critical purpose:

- **Use Case Diagram:** Outlines what each user can do
- **Activity Diagrams:** Illustrate workflows and business rules
- **Class Diagram:** Maps the logical and technical architecture

By following these diagrams and flows, both developers and stakeholders can confidently understand and contribute to the system.

